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## Hanford Site Ground-Water Monitoring for July Through December 1987

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## SUMMARY

The Pacific Northwest Laboratory monitors ground-water quality at the Hanford Site for the U.S. Department of Energy to assess the impact of Site operations on the environment. Work undertaken between July and December 1987 included monitoring ground-water elevations across the Site, monitoring hazardous chemicals and radionuclides in ground water, geochemical evaluations of unconfined ground-water data, and calibration of ground-water flow and transport models.

Water levels continued to rise in areas receiving increased recharge (e.g., beneath B Pond) and decline in areas where the release of water to disposal facilities has been terminated (e.g., U Pond). The major areas of ground-water contamination defined by monitoring activities are 1) carbon tetrachloride in the 200-West Area; 2) cyanide in and north of the 200-East and 200-West Areas; 3) hexavalent chromium contamination in the 100-B, 100-D, 100-F, 100-H, 100-K, and 200-West Areas; 4) chlorinated hydrocarbons in the vicinity of the Central Landfill and 300 Area; 5) uranium in the 100-F, 100-H, 200-West, and 300 Areas; and 6) tritium and nitrate across the Site.

The MINTEQ geochemical code was used to identify chemical reactions that may be affecting the concentrations of dissolved hazardous chemicals in the unconfined ground water. Results indicate that many cations are present mainly as dissolved carbonate complexes and that a majority of the ground-water samples are in near equilibrium with carbonate minerals (e.g., calcite, dolomite, otavite). The influence of silicate minerals on ground-water composition could not be evaluated because of a lack of analyses for dissolved silicon in the ground water. Modeling results indicate that lower detection limits are required for iron and phosphate before an analysis of their solubility controls can be made. Additional information on redox conditions is also required before the impact of many of the reactions controlling contaminant concentrations can be assessed.

A preliminary calibration of a ground-water flow model for the unconfined aquifer at the Hanford Site was conducted using a parameter estimation method. The calibration of the unconfined aquifer assumed steady-state conditions and was based on the December 1979 water-level data. Four

applications of the parameter estimation method were investigated. The applications differed in the treatment of the boundary condition along the Cold Creek valley (i.e., either prescribed head or prescribed flux) and of areal recharge. Water levels calculated with the prescribed flux boundary condition were unreasonably high in the Cold Creek valley, indicating that these applications do not yield good calibrations for the water levels in this region. The two applications with prescribed heads along the Cold Creek valley yield the best overall fit to the measured water levels. Of these two applications, the application that included areal recharge produced the best match with the measured water levels.

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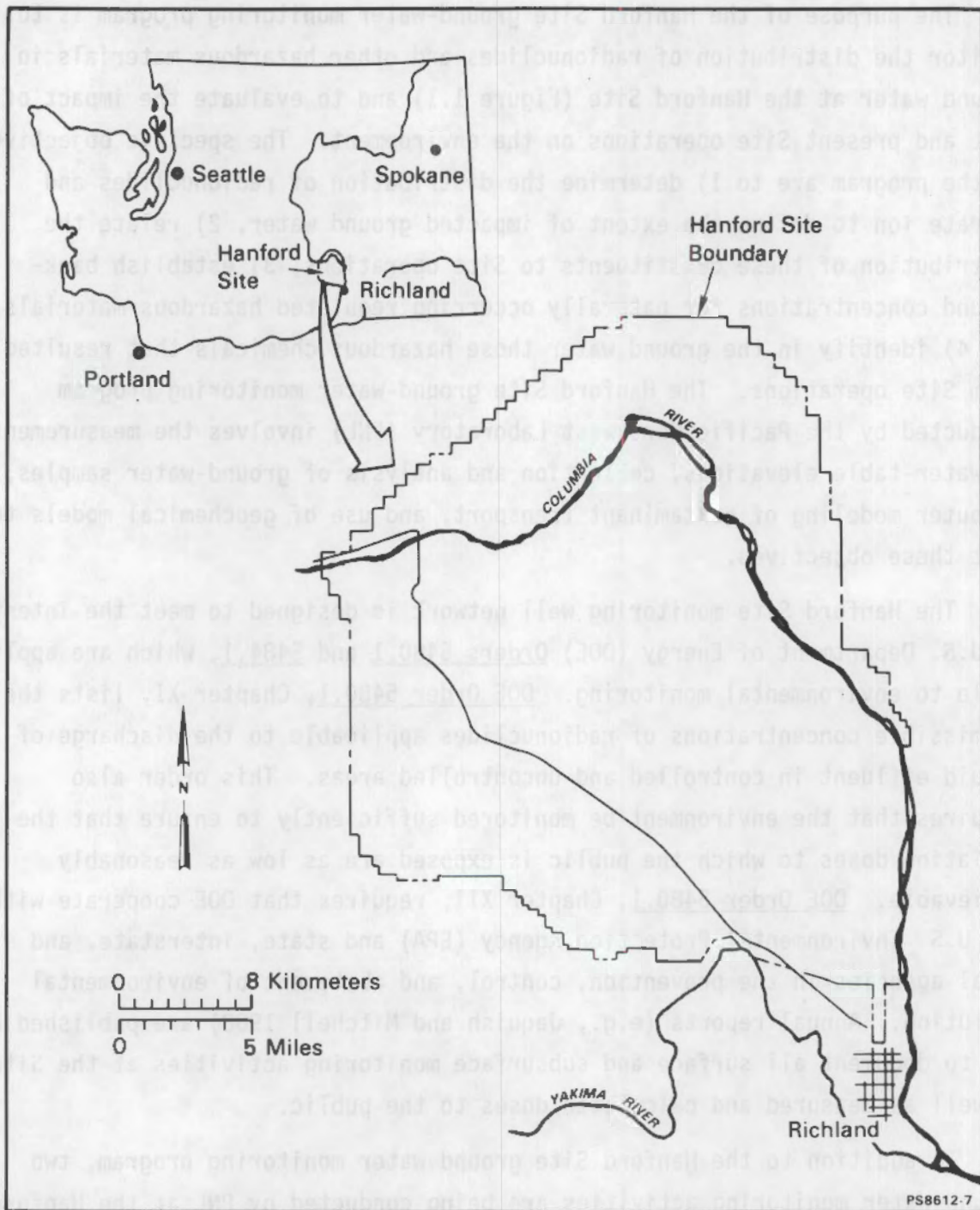


## 1.0 INTRODUCTION

The purpose of the Hanford Site ground-water monitoring program is to monitor the distribution of radionuclides and other hazardous materials in ground water at the Hanford Site (Figure 1.1) and to evaluate the impact of past and present Site operations on the environment. The specific objectives of the program are to 1) determine the distribution of radionuclides and nitrate ion to define the extent of impacted ground water, 2) relate the distribution of these constituents to Site operations, 3) establish background concentrations for naturally occurring regulated hazardous materials, and 4) identify in the ground water those hazardous chemicals that resulted from Site operations. The Hanford Site ground-water monitoring program conducted by the Pacific Northwest Laboratory (PNL) involves the measurement of water-table elevations, collection and analysis of ground-water samples, computer modeling of contaminant transport, and use of geochemical models to meet these objectives.

The Hanford Site monitoring well network is designed to meet the intent of U.S. Department of Energy (DOE) Orders 5480.1 and 5484.1, which are applicable to environmental monitoring. DOE Order 5480.1, Chapter XI, lists the permissible concentrations of radionuclides applicable to the discharge of liquid effluent in controlled and uncontrolled areas. This order also requires that the environment be monitored sufficiently to ensure that the radiation doses to which the public is exposed are as low as reasonably achievable. DOE Order 5480.1, Chapter XII, requires that DOE cooperate with the U.S. Environmental Protection Agency (EPA) and state, interstate, and local agencies in the prevention, control, and abatement of environmental pollution. Annual reports (e.g., Jaquish and Mitchell 1988) are published by PNL to document all surface and subsurface monitoring activities at the Site, as well as measured and calculated doses to the public.

In addition to the Hanford Site ground-water monitoring program, two ground-water monitoring activities are being conducted by PNL at the Hanford Site for Westinghouse Hanford Company (WHC). Ground-water samples are collected by PNL for operational monitoring in and around the 200 Areas



**FIGURE 1.1.** Hanford Site Location Map

for compliance with DOE orders and for facility-specific monitoring for compliance with the Resource Conservation and Recovery Act (RCRA) and Washington Administrative Code (WAC) 173-303 and 304. The facility-specific activities include sampling programs at the 183-H Solar Evaporation Basins in the 100-H Area, 1301-N/1325-N Cribs and 1324-N/NA Ponds in the 100-N Area, Transportable Grout Facility, 300 Area Process Trenches, Solid Waste Landfill (SWL), and Nonradioactive Dangerous Waste Landfill (NRDW). (The SWL and the NRDW together will be referred to as the Central Landfill.) The results of some of these activities are discussed briefly in this report and will be reported in more detail elsewhere. The compliance monitoring results (primarily for chemicals) are valuable in determining the total impact of Site operations on ground water and, therefore, are utilized by the Hanford Site ground-water monitoring program to meet its objectives.

This semiannual report provides brief discussions and detailed data listings of results for ground-water monitoring at the Hanford Site during July through December 1987. This report presents and discusses the water-table elevation map (Plate 1, in pocket) for the Hanford Site for December 1987 and results of ground-water sampling and analysis. Because of their high concentrations or widespread distribution, the following contaminants are discussed in detail: 1) carbon tetrachloride in the 200-West Areas; 2) cyanide in and north of the 200-East and the 200-West Areas; 3) hexavalent chromium contamination in the 100-B, 100-D, 100-F, 100-H, 100-K, and the 200-West Areas; 4) chlorinated hydrocarbons in the vicinity of the Central Landfill and 300 Area; 5) uranium in the 100-F, 100-H, 200-West, and 300 Areas; 6) nitrate across the Site; and 7) tritium across the Site. The implications of several other observations are also discussed briefly. Also presented is an update on ground-water flow and geochemical modeling for the period covered by this report.

More detailed discussions of the hydrology and geology of the Site, operational activities, sampling, analysis, and distributions of average constituent concentrations during 1986 are included in the most recent annual report by PNL (Jaquish and Mitchell 1988). In addition, Serkowski et al. (1988) reported 1987 radiological monitoring results for the 200 Areas and some of the surrounding 600 Area. Also Resource Conservation and Recovery



Act (RCRA) monitoring results are documented in quarterly reports entitled Ground-Water Monitoring Compliance Projects for Hanford Site Facilities (e.g., PNL 1987).

## 2.0 WATER-LEVEL ELEVATION MONITORING

Water levels in selected wells open to the unconfined aquifer on the Hanford Site are measured in June and December of each year to determine the configuration of the water table and to assess the impact of waste disposal on that configuration. Water-level elevations for June 1987 were presented by Schatz, Ammerman, and Serkowski (1987). Historical water-level data and an evaluation of past water-level changes are presented by Zimmerman et al. (1986). Water-level elevations for this report were measured in approximately 240 wells open to the unconfined aquifer during a 2-week period in December 1987.

Water-table maps can be used to infer directions of ground-water flow, with ground water moving from regions of higher water levels to regions of lower water levels at right angles to contours in systems with isotropic hydraulic conductivities. Water-table configurations can be used to identify recharge and discharge areas, and to determine the potential for water movement between adjacent ground-water and surface water bodies. Further utilization of water-level elevations is discussed in the section entitled, "Ground-Water Flow Modeling."

### 2.1 DATA COLLECTION

Water levels are measured in wells and piezometers following written procedures. Most monitoring wells at the Hanford Site used for water-level measurement are 6 or 8 in. (15 or 20 cm) in diameter and are constructed of steel casing. Several small-diameter [2-in. (5-cm)] piezometers and some larger diameter wells are also used. Monitoring wells used to measure water levels for the unconfined aquifer are completed with well screens or perforated casing generally open to the upper 10 to 20 ft (3 to 6 m) of the aquifer. This type of completion allows measurements to be representative of the water-table elevation. Well locations for water-level monitoring are shown in Plate 1.

A written procedure adapted from the U.S. Geological Survey (USGS 1977) was followed to measure water levels in wells. A chalked steel tape was used to measure the depth to water. These measurements were repeated to confirm

initial value. If the second measurement differed by more than 0.05 ft from the first, the measurement was repeated until two measurements within the proper tolerance were obtained. Measurements were compared to previous water levels to further reduce operator error. Water-level elevations for each well were determined by subtracting the depth to water from the surveyed measuring point elevation on the well casing. All water levels are measured within a 2-week period to reduce the effects of time-variant water-level changes on the water-table map.

## 2.2 RESULTS

Water levels measured during December 1987 are listed in Appendix A. The water-table map constructed by contouring these water-level elevations is presented in Plate 1. The following are important features of the water-table map:

- water-table elevations generally decrease from west to east across the Hanford Site south of Gable Mountain and Gable Butte
- water-table elevations decrease northward through the gap between Umtanum Ridge and Gable Butte and between Gable Butte and Gable Mountain
- ground-water mounds are present beneath B Pond and the location of decommissioned U Pond
- the water level in the Yakima River is of higher elevation than that of the water table in the adjacent region of the Hanford Site.

Elevated water levels in the western region of the Hanford Site may be attributable to ground-water recharge in Cold Creek and Dry Creek valleys and on the adjacent ridges (i.e., Yakima, Umtanum, and Rattlesnake Ridges). Recharge is most likely caused by rain and snow at the higher elevations and by irrigation of agricultural land at the lower elevations. Water-table elevation generally decreases toward the Columbia River at the eastern edge of the Hanford Site and north of the Gable Mountain-Gable Butte anticline, implying discharge of unconfined ground water to the Columbia River along the Hanford reach. Ground-water mounds beneath B Pond and the location of the decommissioned U Pond have been caused by process cooling water and other

liquid wastes recharging the ground water at those locations. A summary of waste discharges to disposal facilities in the 200 Areas is presented by Serkowski et al. (1988).

U Pond was decommissioned in 1984, and the elevation of the ground-water mound at that location continues to decline. The elevation of the ground-water mound beneath B Pond, which receives process cooling water from the plutonium-uranium extraction (PUREX) plant, has increased approximately 1 ft (30 cm) since June 1987 (as reflected in water levels in well 699-43-42).

A water-table elevation lower than the Yakima River in the region between the Horn Rapids Dam and the city of Richland implies that the ground water is being recharged by the Yakima River. Water levels measured in this region also indicate that ground water recharged by the Yakima River flows to the east beneath the Hanford Site and discharges to the Columbia River.





### 3.0 RADIOLOGICAL AND CHEMICAL GROUND-WATER MONITORING

#### 3.1 DATA COLLECTION

The network of wells used for the Hanford Site ground-water monitoring program is a combination of several networks that have been designed for facility-specific, operational, and Site-wide monitoring activities. The basis for selecting wells, sampling frequencies, and constituents to be analyzed is different for each of these programs based on the program objectives.

##### 3.1.1 Facility-Specific Monitoring

Well networks have been established around specific waste disposal facilities for WHC to comply with RCRA requirements. Facility-specific activities include sampling programs at the 183-H Solar Evaporation Basins in the 100-H Area, 1301-N/1325-N Cribs and 1324-N/NA Ponds in the 100-N Area, Transportable Grout Facility, 300 Area Process Trenches, SWL, and the NRDW.

The requirements for monitoring well design and location, constituents to be sampled for, and sampling frequencies are specified in RCRA regulations and by Washington Administration Code (WAC 173-303 and 304). Ground-water monitoring systems at each site must consist of at least one monitoring well hydraulically upgradient and at least three monitoring wells downgradient of the facility. The location, depth, and number of wells included in the network must ensure that results obtained to evaluate the migration of contaminants to the uppermost aquifer are statistically significant. The RCRA regulations require that ground water be sampled and analyzed for 1) drinking water parameters, 2) parameters that establish ground-water quality, and 3) parameters used as indicators of ground-water contamination. Samples are also analyzed for contaminants known to have been disposed of at the facility being monitored. The frequency of sampling for each parameter is also specified in the RCRA regulations, based on the status of permitting of the facility (e.g., interim status, permitted status).

Quarterly reports entitled Ground-Water Monitoring Compliance Projects for Hanford Site Facilities document monitoring networks and analytical plans for these RCRA sites. One such report covers the period July 1 to September 30, 1987 (PNL 1987).

### 3.1.2 Operational Monitoring

Operational monitoring near waste facilities in the 200 Areas is conducted for WHC to allow them to evaluate the performance of waste disposal and storage sites and assess the impact of specific sites on ground water (Serkowski et al. 1988). Well location, monitoring frequency, and constituents for which samples are analyzed are selected to meet this objective. The sampling network design, analytical plans, and results are presented each year in an annual report (e.g., Serkowski et al. 1988). Changes in the monitoring network are described in that report. The planned network and schedule for calendar year 1988 are listed in Appendix C of Serkowski et al. (1988).

### 3.1.3 Site-Wide Monitoring

The objective of the Site-wide Ground-Water Monitoring Program is to monitor the distribution of radionuclides and other hazardous materials in ground water at the Hanford Site. The selection of wells, constituents for which samples are collected and analyzed, and sampling frequency are based on knowledge of waste disposal practices and inventories, regulatory requirements, contaminant mobility, and the site hydrogeology. The Site-wide monitoring network is designed as a network for radiological monitoring and a network for chemical monitoring.

#### 3.1.3.1 Radiological Monitoring

The radiological monitoring network was developed to monitor the extent of contamination, identify new instances of contaminant release to the ground water, and sample for selected radionuclides that may contribute to radiation dose. Wells and constituents near operational and facility-specific networks were selected to complement monitoring under these programs. For example, some wells in the 200 Areas monitored by WHC to evaluate facility operation are sampled for additional constituents to meet the objectives of Site-wide monitoring.

The primary analyses done on samples collected for radiological analysis are tritium and gross alpha, beta, and gamma scans. The maximum extent of radionuclide contamination in the ground water beneath the Hanford Site is defined using tritium because nearly all radioactive waste disposed of at Hanford contains tritium. Tritium exists as part of the water molecule and as such moves with the ground water unretarded by chemical and physical interaction with dissolved constituents and aquifer materials. Tritium was also concentrated in certain large-volume wastes, such as reactor coolant in the 100 Areas and process condensates in the 200 Areas.

Gross alpha and beta analyses and gamma scans are used to identify potential new releases of radionuclides in a cost-effective manner at certain locations. These techniques are used to survey wells throughout the Site for a wide variety of alpha-, beta-, and gamma-emitting radionuclides. If results of these survey techniques indicate it is warranted, samples are collected and analyzed for individual radionuclides. Subsequent analyses are chosen on the basis of radionuclide inventories, radionuclide mobilities, and potential dose concerns.

Gross alpha concentrations above background may indicate the sample contains uranium or plutonium. Uranium is an alpha-emitting radionuclide that is mobile in the Hanford ground water. It is commonly the radionuclide responsible for elevated gross alpha concentrations. Uranium is also a potential concern in terms of its dose to man. Plutonium is another alpha emitter that could contribute to gross alpha activity. Past monitoring for plutonium suggests that it is immobile in the ground water and hence is monitored in only a few wells near facilities suspected of receiving plutonium. These wells are all within the 200 Areas.

Elevated gross beta concentrations are more difficult to associate with a single radionuclide because of the potentially large number of beta-emitting radionuclides discharged in Hanford liquid wastes. Strontium-90 has been a common contributor to elevated gross beta concentrations in ground water. Strontium-90 is monitored in ground-water samples collected throughout the Hanford Site, with emphasis on the operating areas. Another beta emitter of potential dose concern that is relatively mobile in the ground water is technetium-99. Technetium-99 is not efficiently detected using

gross beta analysis because it is a low-energy beta emitter. Few technetium-99 measurements have been made in the past because of the costly analytical method; however, a less costly technique was developed in 1987. Using this new technique, technetium-99 concentrations will be determined for ground-water samples collected from wells in many areas during 1988, both to gather baseline data and to investigate elevated gross beta concentrations previously observed. Three other beta emitters will be selectively analyzed in a limited number of wells. These are carbon-14, nickel-63, and iodine-129. Isolated measurements of these radionuclides will be done to further assess elevated gross beta measurements previously observed and to investigate selected wells near possible sources of these radionuclides.

#### 3.1.3.2 Chemical Monitoring

A subset of both the PNL Site-wide and the WHC operational radiological monitoring networks is used for Site-wide chemical sampling by PNL. Chemical sampling wells were selected primarily for their proximity to known active and inactive chemical disposal areas in the 100, 200, and 600 Areas, and on the basis of the compiled waste inventories (DOE 1986).

Nitrate is monitored in most of the wells sampled. Nitrate, which is mobile in ground water, was present in many of the waste streams disposed of to the ground and, like tritium, can be used to help define the extent of contamination in Hanford aquifers. A large historical data base also exists for nitrate. Other chemicals related to Site operations are listed in Table 3.1. Ground-water samples collected from wells in areas where these chemicals have been discharged are analyzed for the appropriate contaminant.

#### 3.1.4 Sample Collection July through December 1987

The 1987 PNL Site-wide radiological sampling network consisted of 391 wells that were monitored quarterly. In the 200 Areas and surrounding 600 Area, PNL sampled 153 wells in WHC's operational monitoring network.

During the third quarter of 1987, 121 wells were monitored for chemical constituents; 102 wells were sampled during the fourth quarter. The wells sampled for chemicals in the fourth quarter included some new wells primarily

**TABLE 3.1. Major Chemical Ground-Water Contaminants and Their Link to Site Operations**

| <u>Facilities Type</u>     | <u>Area</u> | <u>Constituents</u>                                      |
|----------------------------|-------------|--|
| Reactor Operations         | 100         | Cr <sup>6+</sup>   |
| Irradiated Fuel Processing | 200         | NO <sub>3</sub> <sup>-</sup> , CN <sup>-</sup> , Uranium |
| Plutonium Purification     | 200         | CCl <sub>4</sub> and other chlorinated hydrocarbons      |
| Fuel Fabrication           | 300         | Uranium, Cr <sup>6+</sup>                                |

in the 600 Area, while a number of wells showing no significant contamination after three sampling periods were dropped from the network. Chemical data are available for an additional 93 compliance wells, as shown in Appendix A.

The Site-wide monitoring network for 1987 is shown in Figure 3.1. Detailed maps of operational and facility-specific monitoring well networks for the 100-B, 100-D, 100-F, 100-H, 100-K, 100-N, 200-East, 200-West, 300, and 400 Areas are included in Figures 3.2 through 3.11, respectively.

#### 3.1.5 Sample Collection Planned for 1988

The wells to be sampled for radionuclide and nitrate analysis during 1988 are listed in Appendix B, Table B.1. The table includes planned sampling frequency. Nitrate is included in this table because historically most samples collected for radionuclide analysis have been analyzed for nitrate.

Seventy-seven wells will be sampled during the first quarter and 66 wells will be sampled during the second quarter of 1988 for the chemicals listed in Appendix C (Table C.1). The number of wells to be sampled in subsequent quarters will be reduced as wells showing no detection of contaminants on three or more successive samplings are eliminated from the schedule. Wells to be sampled during 1988 include some new wells, primarily in the 600 Area, that were sampled for the first time in the last quarter of 1987.

A group of 55 wells has been selected by the Site-wide program in conjunction with WHC personnel for operational chemical monitoring. These

wells will be initially sampled during the first or second quarter of 1988. The decision to continue monitoring these wells will be made by WHC staff based on the results of the initial sampling.

### 3.1.6 Monitoring Well Design

Most monitoring wells at the Hanford Site are 6 or 8 in. (15 or 20 cm) in diameter and are constructed of steel casing. Several small-diameter [2-in. (5-cm)] piezometers are sampled for radionuclides only. Monitoring wells for the unconfined aquifer are completed with well screens or perforated casing in the upper 10 to 20 ft (3 to 6 m) of the aquifer. Completion at the water table allows samples to be collected near the top of the aquifer where maximum concentrations for some radionuclides were measured at a few locations at the Hanford Site (Eddy, Myers, and Raymond 1978). Confined aquifer monitoring wells have screens, perforated casing, or an open hole within the monitored horizon. Only wells containing submersible pumps were chosen for chemical sampling to allow sufficient purging of wells before sampling.

### 3.1.7 Sampling Methods

Samples were collected using documented sampling procedures that follow formal, established guidelines (EPA 1986). Wells fitted with submersible pumps were sampled after pumping for a sufficient time (at least 20 min) to allow temperature, pH, and specific conductivity to stabilize. The purging process ensured that any stagnant water in the well was removed, allowing collection of a sample that was representative of the ground water near the well. A stainless steel sampling tee was then connected to the pump discharge line. One side of the tee consisted of a 3/16-in. (0.476-cm) critical orifice discharging to a 1/4-in. (0.635-cm) Teflon<sup>(a)</sup> sampling line. Excess water was discharged through a ball valve on the other branch of the tee. This arrangement allowed the pump discharge to be throttled back sufficiently to provide a continuous water column, while providing some pressure relief to avoid damage to the header pipe. Samples for volatile organic analyses were taken with zero head space and sealed immediately with a

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(a) Teflon<sup>®</sup> is the registered tradename for a fluorocarbon resin product of E. I. du Pont de Nemours and Company, Wilmington, Delaware.



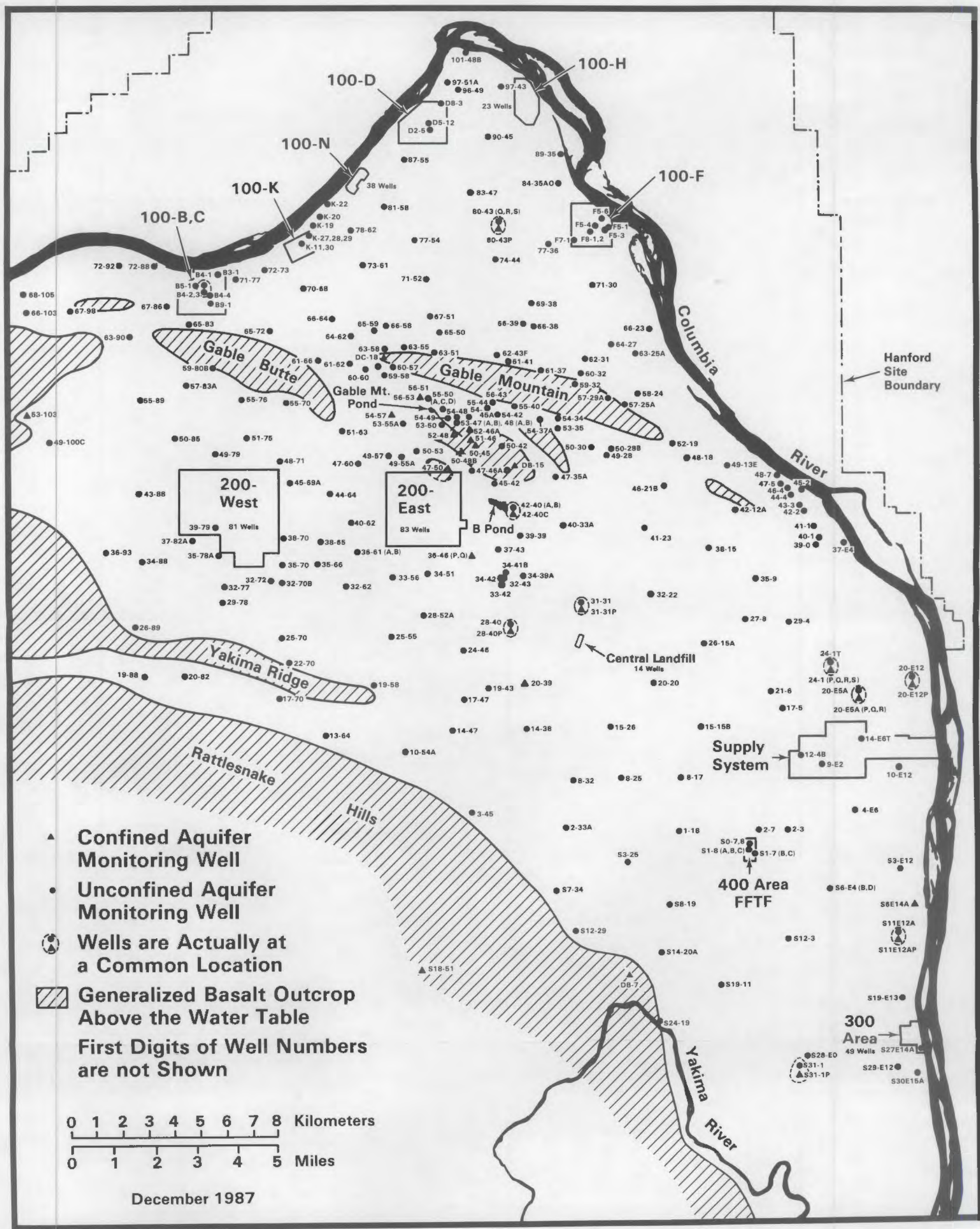
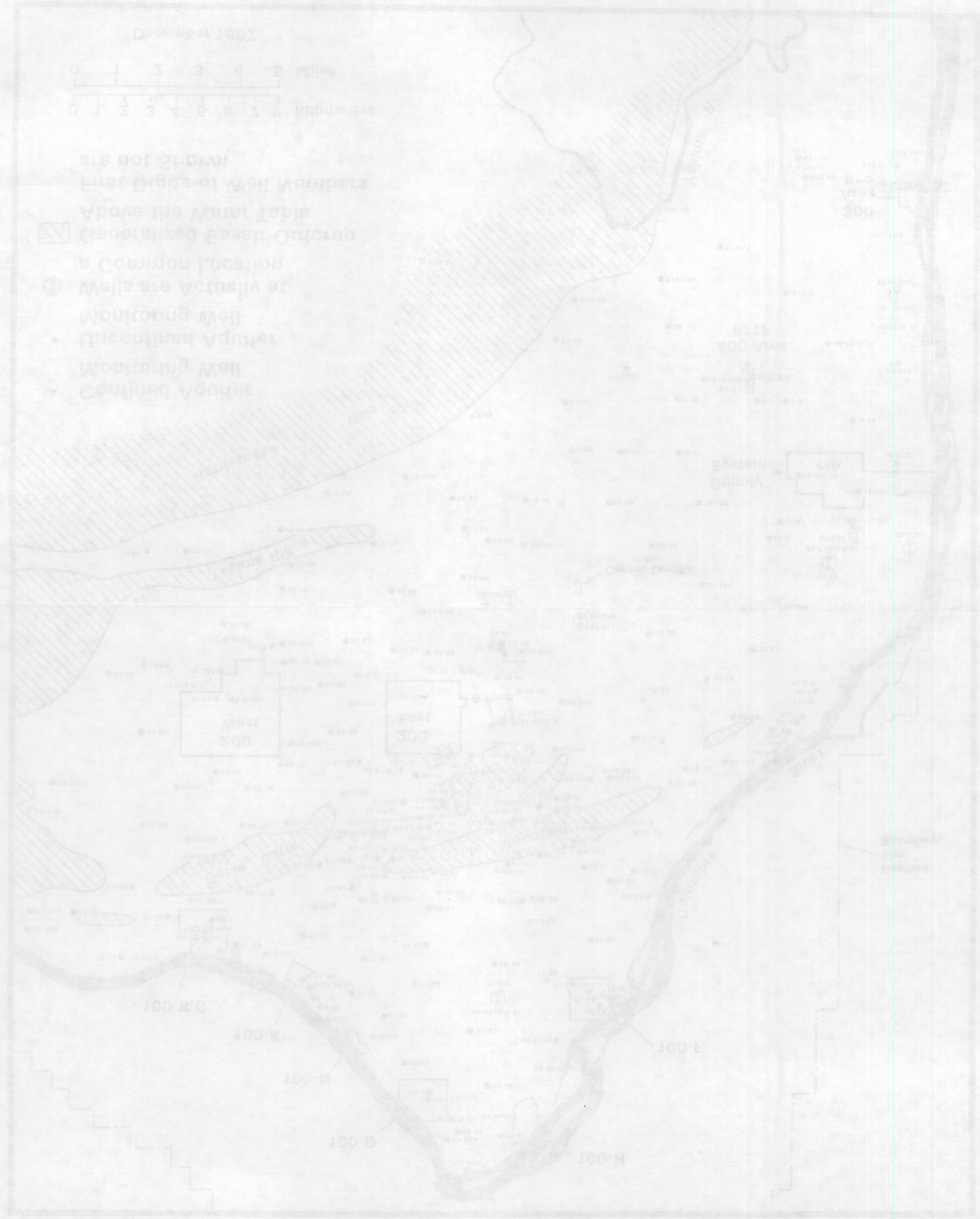


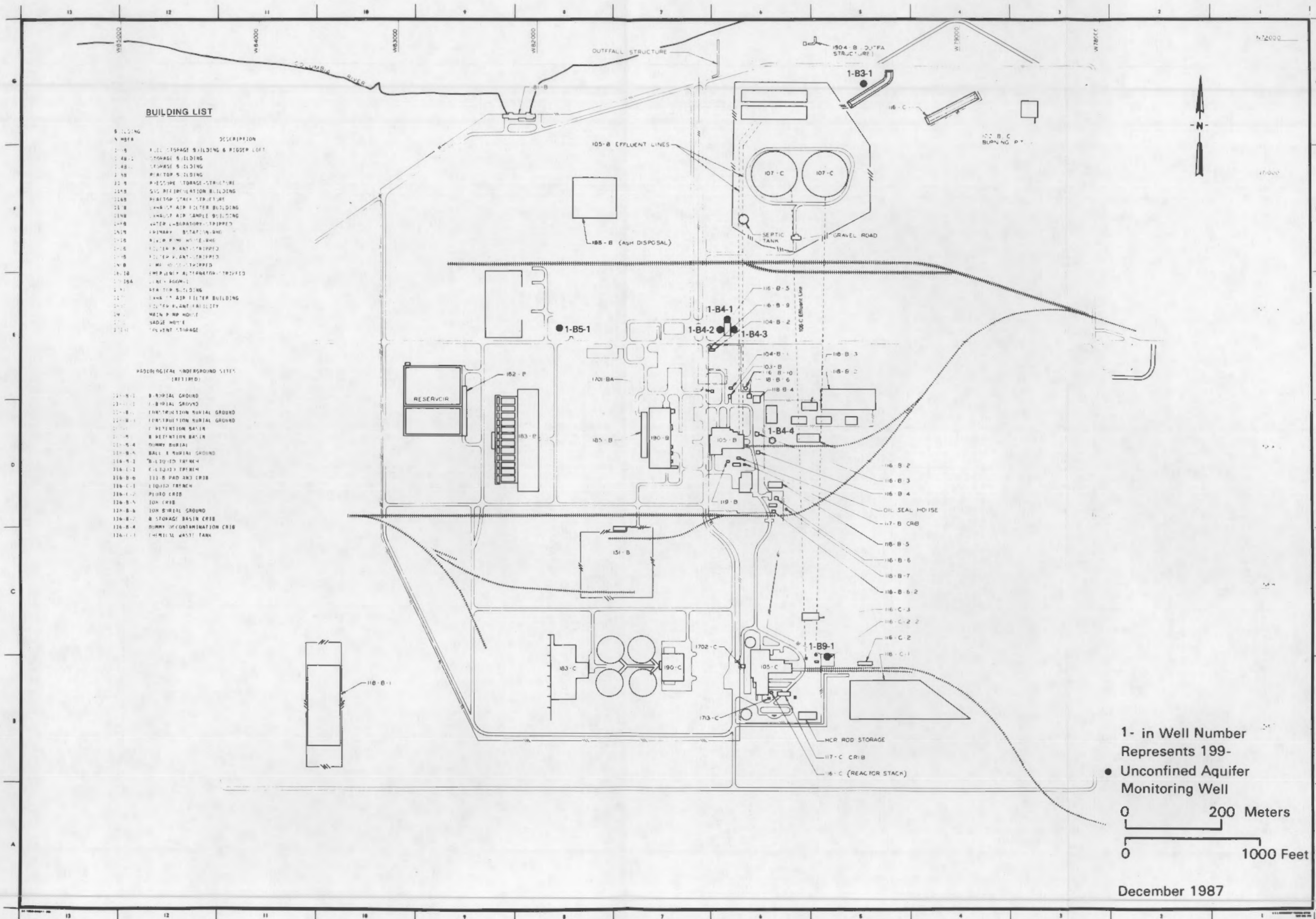
FIGURE 3.1. Location of Hanford Site Ground-Water Monitoring Wells



FIGURE 37. Location of national size standard monitoring units







**BUILDING LIST**

| BUILDING NUMBER | DESCRIPTION                        |
|-----------------|------------------------------------|
| 1-8             | 1-8 STORAGE BUILDING & RIDGER LOFT |
| 1-9             | 1-9 STORAGE BUILDING               |
| 1-10            | 1-10 STORAGE BUILDING              |
| 1-11            | 1-11 PLANTOP BUILDING              |
| 1-12            | 1-12 PRESSURE STORAGE STRUCTURE    |
| 1-13            | 1-13 GAS REGENERATION BUILDING     |
| 1-14            | 1-14 PLANTOP STACK STRUCTURE       |
| 1-15            | 1-15 PLANTOP AIR FILTER BUILDING   |
| 1-16            | 1-16 PLANTOP AIR FILTER BUILDING   |
| 1-17            | 1-17 WATER LABORATORY - TRIPPED    |
| 1-18            | 1-18 PLANTOP STACK STRUCTURE       |
| 1-19            | 1-19 PLANTOP AIR FILTER BUILDING   |
| 1-20            | 1-20 PLANTOP AIR FILTER BUILDING   |
| 1-21            | 1-21 PLANTOP AIR FILTER BUILDING   |
| 1-22            | 1-22 PLANTOP AIR FILTER BUILDING   |
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| 1-98            | 1-98 PLANTOP AIR FILTER BUILDING   |
| 1-99            | 1-99 PLANTOP AIR FILTER BUILDING   |
| 1-100           | 1-100 PLANTOP AIR FILTER BUILDING  |

**FUNCTIONAL UNDERGROUND SITES (REF ID)**

|           |                     |
|-----------|---------------------|
| 110-B-1   | B-1 BIRIAL GROUND   |
| 110-B-2   | B-2 BIRIAL GROUND   |
| 110-B-3   | B-3 BIRIAL GROUND   |
| 110-B-4   | B-4 BIRIAL GROUND   |
| 110-B-5   | B-5 BIRIAL GROUND   |
| 110-B-6   | B-6 BIRIAL GROUND   |
| 110-B-7   | B-7 BIRIAL GROUND   |
| 110-B-8   | B-8 BIRIAL GROUND   |
| 110-B-9   | B-9 BIRIAL GROUND   |
| 110-B-10  | B-10 BIRIAL GROUND  |
| 110-B-11  | B-11 BIRIAL GROUND  |
| 110-B-12  | B-12 BIRIAL GROUND  |
| 110-B-13  | B-13 BIRIAL GROUND  |
| 110-B-14  | B-14 BIRIAL GROUND  |
| 110-B-15  | B-15 BIRIAL GROUND  |
| 110-B-16  | B-16 BIRIAL GROUND  |
| 110-B-17  | B-17 BIRIAL GROUND  |
| 110-B-18  | B-18 BIRIAL GROUND  |
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| 110-B-37  | B-37 BIRIAL GROUND  |
| 110-B-38  | B-38 BIRIAL GROUND  |
| 110-B-39  | B-39 BIRIAL GROUND  |
| 110-B-40  | B-40 BIRIAL GROUND  |
| 110-B-41  | B-41 BIRIAL GROUND  |
| 110-B-42  | B-42 BIRIAL GROUND  |
| 110-B-43  | B-43 BIRIAL GROUND  |
| 110-B-44  | B-44 BIRIAL GROUND  |
| 110-B-45  | B-45 BIRIAL GROUND  |
| 110-B-46  | B-46 BIRIAL GROUND  |
| 110-B-47  | B-47 BIRIAL GROUND  |
| 110-B-48  | B-48 BIRIAL GROUND  |
| 110-B-49  | B-49 BIRIAL GROUND  |
| 110-B-50  | B-50 BIRIAL GROUND  |
| 110-B-51  | B-51 BIRIAL GROUND  |
| 110-B-52  | B-52 BIRIAL GROUND  |
| 110-B-53  | B-53 BIRIAL GROUND  |
| 110-B-54  | B-54 BIRIAL GROUND  |
| 110-B-55  | B-55 BIRIAL GROUND  |
| 110-B-56  | B-56 BIRIAL GROUND  |
| 110-B-57  | B-57 BIRIAL GROUND  |
| 110-B-58  | B-58 BIRIAL GROUND  |
| 110-B-59  | B-59 BIRIAL GROUND  |
| 110-B-60  | B-60 BIRIAL GROUND  |
| 110-B-61  | B-61 BIRIAL GROUND  |
| 110-B-62  | B-62 BIRIAL GROUND  |
| 110-B-63  | B-63 BIRIAL GROUND  |
| 110-B-64  | B-64 BIRIAL GROUND  |
| 110-B-65  | B-65 BIRIAL GROUND  |
| 110-B-66  | B-66 BIRIAL GROUND  |
| 110-B-67  | B-67 BIRIAL GROUND  |
| 110-B-68  | B-68 BIRIAL GROUND  |
| 110-B-69  | B-69 BIRIAL GROUND  |
| 110-B-70  | B-70 BIRIAL GROUND  |
| 110-B-71  | B-71 BIRIAL GROUND  |
| 110-B-72  | B-72 BIRIAL GROUND  |
| 110-B-73  | B-73 BIRIAL GROUND  |
| 110-B-74  | B-74 BIRIAL GROUND  |
| 110-B-75  | B-75 BIRIAL GROUND  |
| 110-B-76  | B-76 BIRIAL GROUND  |
| 110-B-77  | B-77 BIRIAL GROUND  |
| 110-B-78  | B-78 BIRIAL GROUND  |
| 110-B-79  | B-79 BIRIAL GROUND  |
| 110-B-80  | B-80 BIRIAL GROUND  |
| 110-B-81  | B-81 BIRIAL GROUND  |
| 110-B-82  | B-82 BIRIAL GROUND  |
| 110-B-83  | B-83 BIRIAL GROUND  |
| 110-B-84  | B-84 BIRIAL GROUND  |
| 110-B-85  | B-85 BIRIAL GROUND  |
| 110-B-86  | B-86 BIRIAL GROUND  |
| 110-B-87  | B-87 BIRIAL GROUND  |
| 110-B-88  | B-88 BIRIAL GROUND  |
| 110-B-89  | B-89 BIRIAL GROUND  |
| 110-B-90  | B-90 BIRIAL GROUND  |
| 110-B-91  | B-91 BIRIAL GROUND  |
| 110-B-92  | B-92 BIRIAL GROUND  |
| 110-B-93  | B-93 BIRIAL GROUND  |
| 110-B-94  | B-94 BIRIAL GROUND  |
| 110-B-95  | B-95 BIRIAL GROUND  |
| 110-B-96  | B-96 BIRIAL GROUND  |
| 110-B-97  | B-97 BIRIAL GROUND  |
| 110-B-98  | B-98 BIRIAL GROUND  |
| 110-B-99  | B-99 BIRIAL GROUND  |
| 110-B-100 | B-100 BIRIAL GROUND |

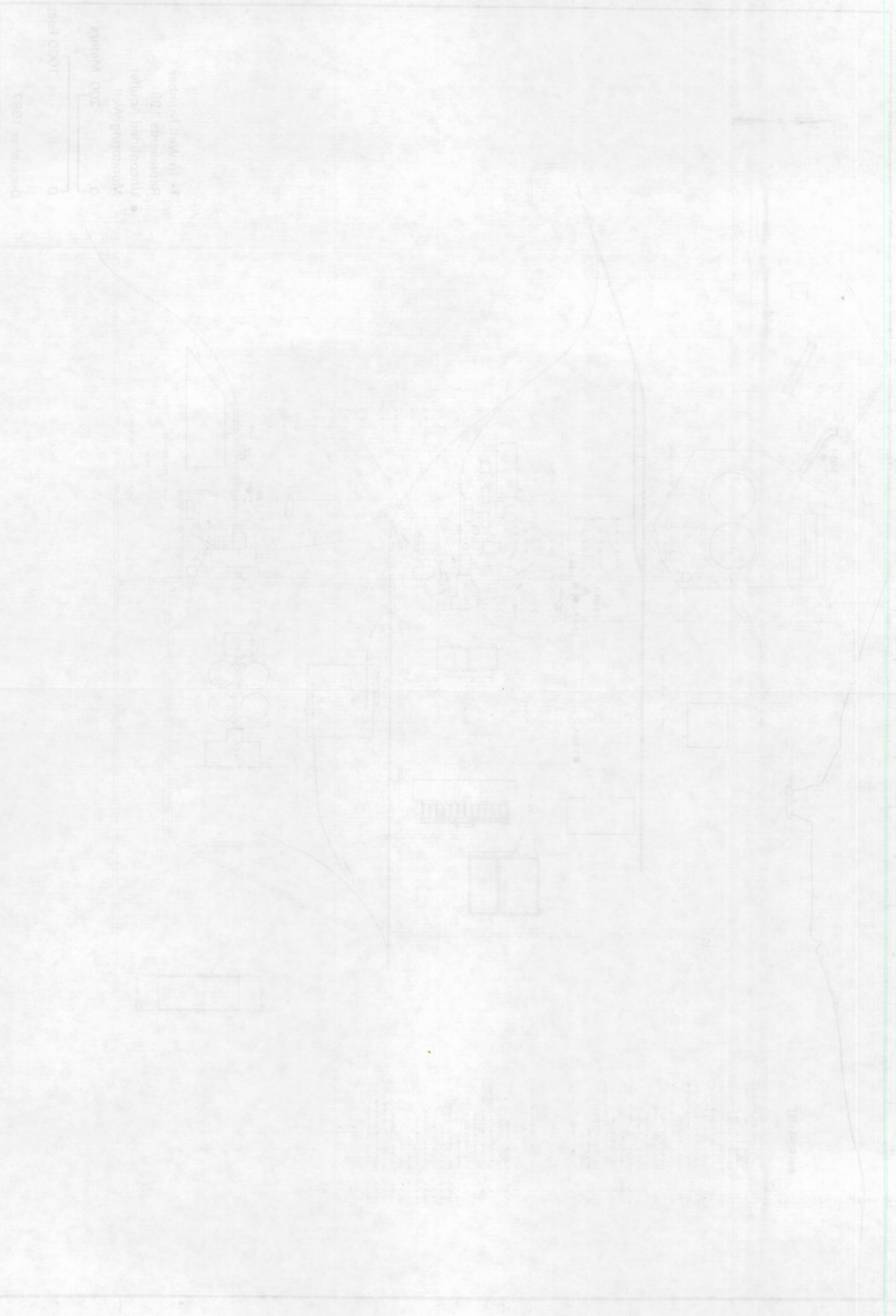
1- in Well Number Represents 199-  
 ● Unconfined Aquifer Monitoring Well

0 200 Meters  
 0 1000 Feet

December 1987

**FIGURE 3.2.** Location of 100-B Area Ground-Water Monitoring Wells Sampled During July Through December 1987

1981-1982  
1981-1982  
1981-1982



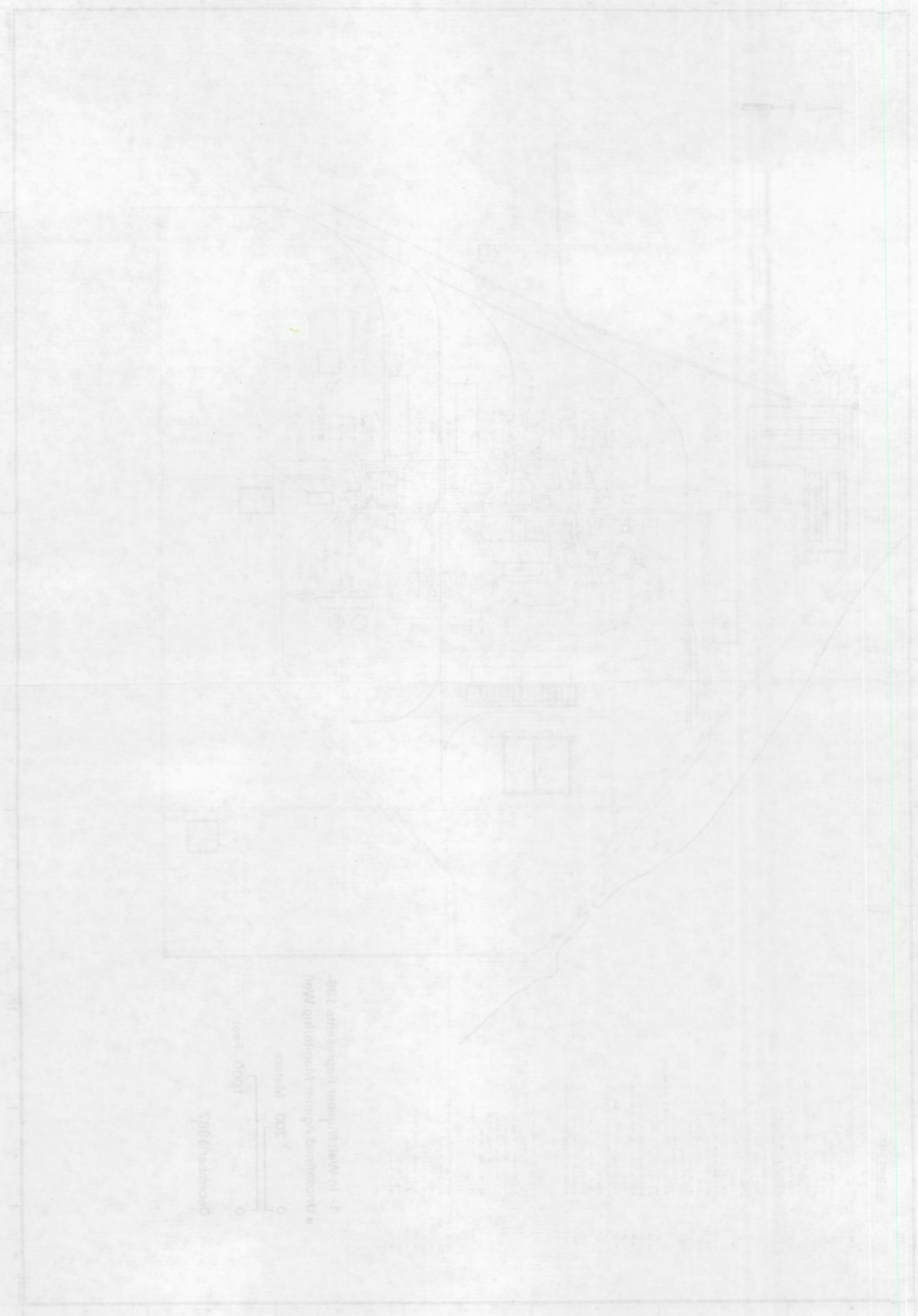
Legend:  
1981-1982  
1981-1982

0 100 200

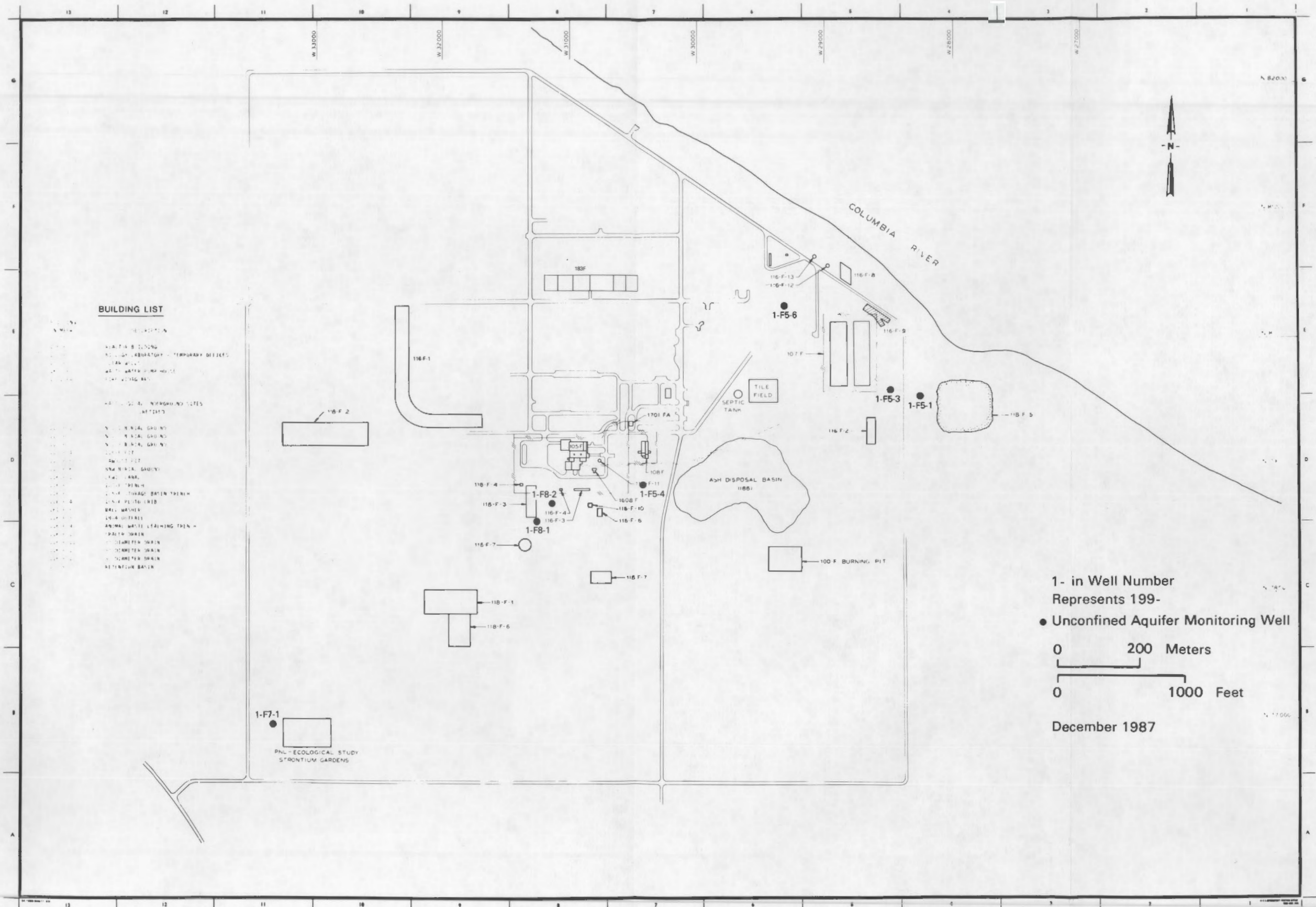




Figure 3.1. The distribution of 1000-year return period peak water levels in the St. Lawrence River.



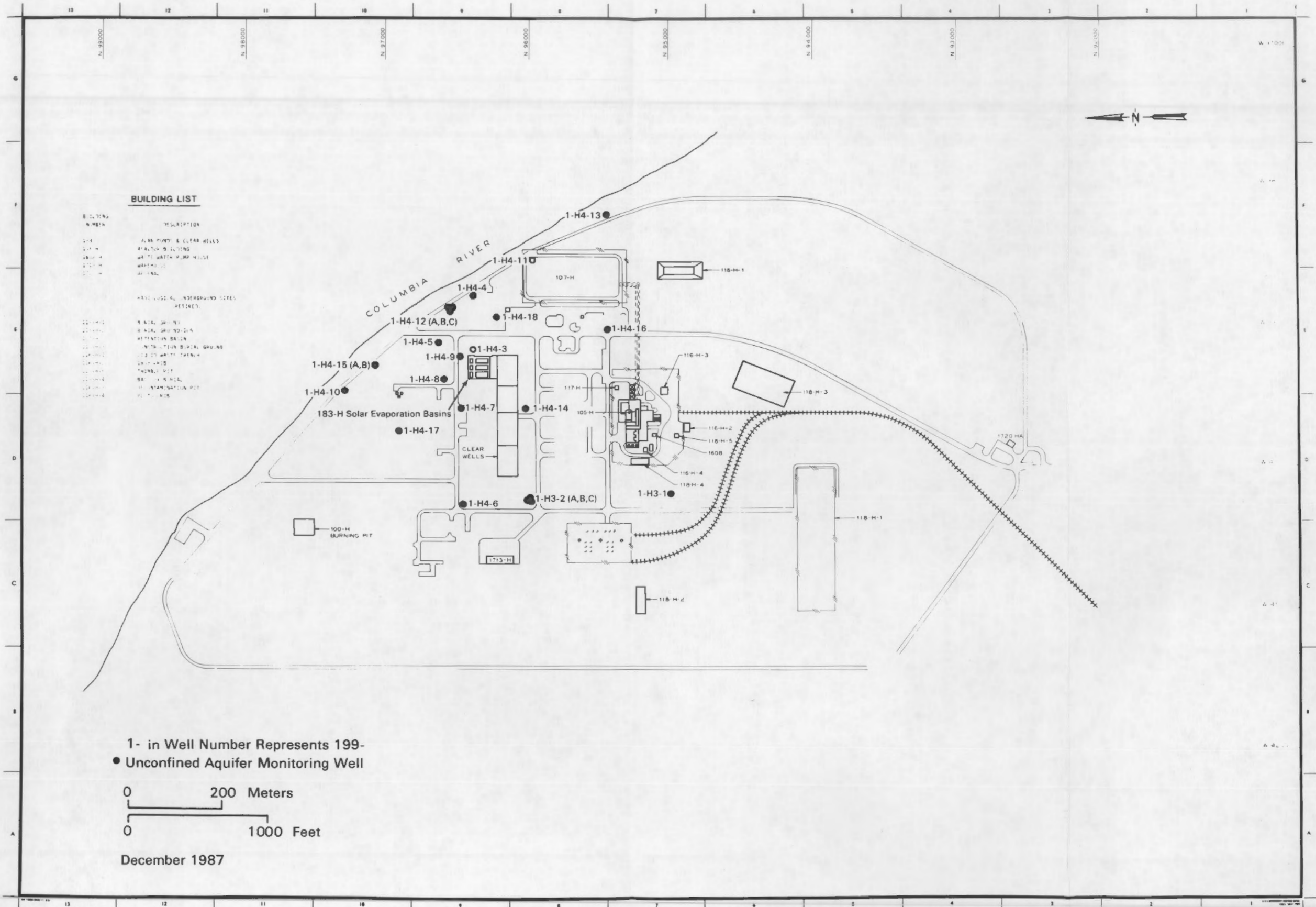




**FIGURE 3.4.** Location of 100-F Area Ground-Water Monitoring Wells Sampled During July Through December 1987







**FIGURE 3.5.** Location of 100-H Area Ground-Water Monitoring Wells Sampled During July Through December 1987 3.15



Этот план составлен на основании данных, полученных в результате обследования местности в 1882 году.

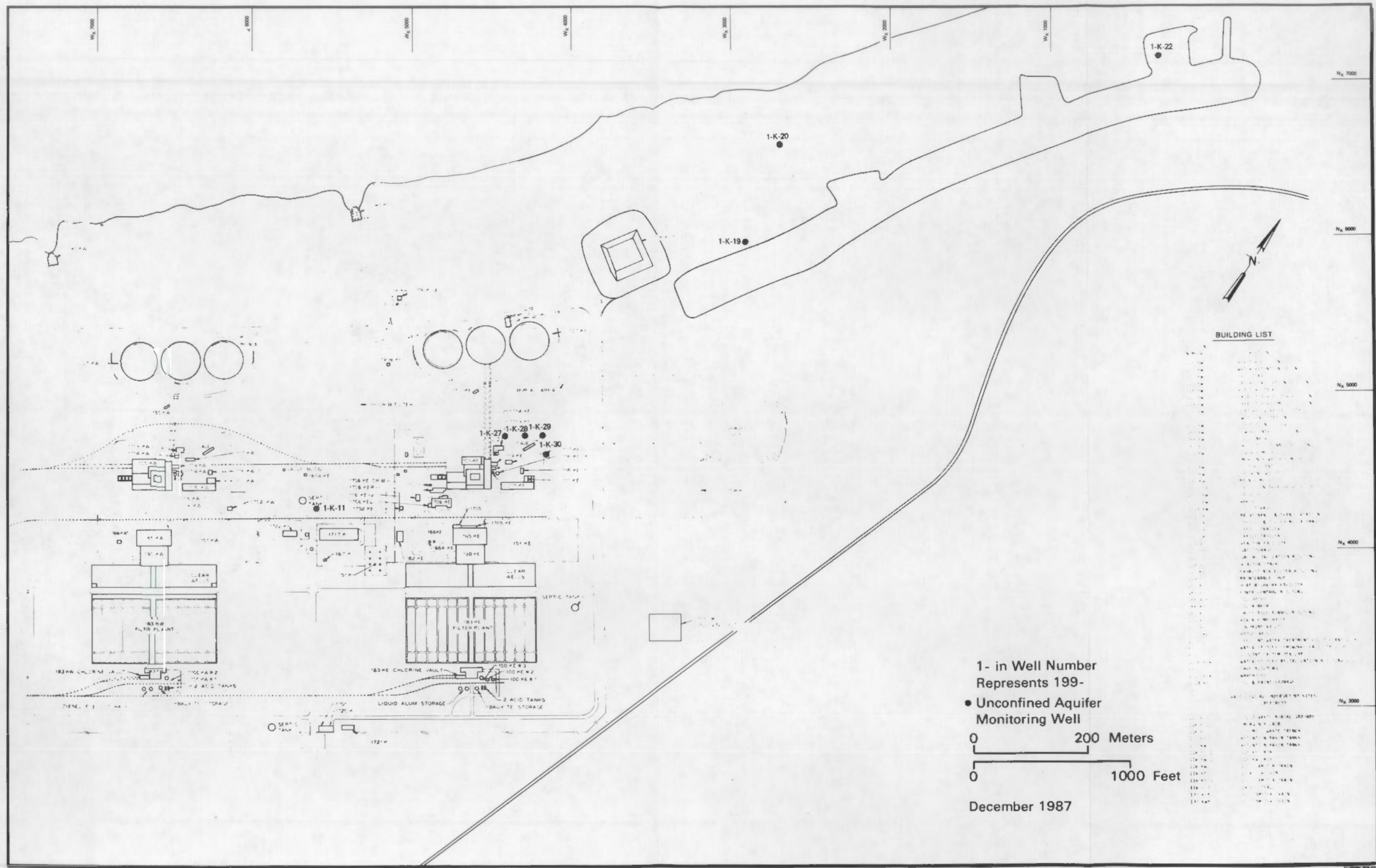
Деталь 1882



• Окружающая местность  
1 - в Мелитинском уезде



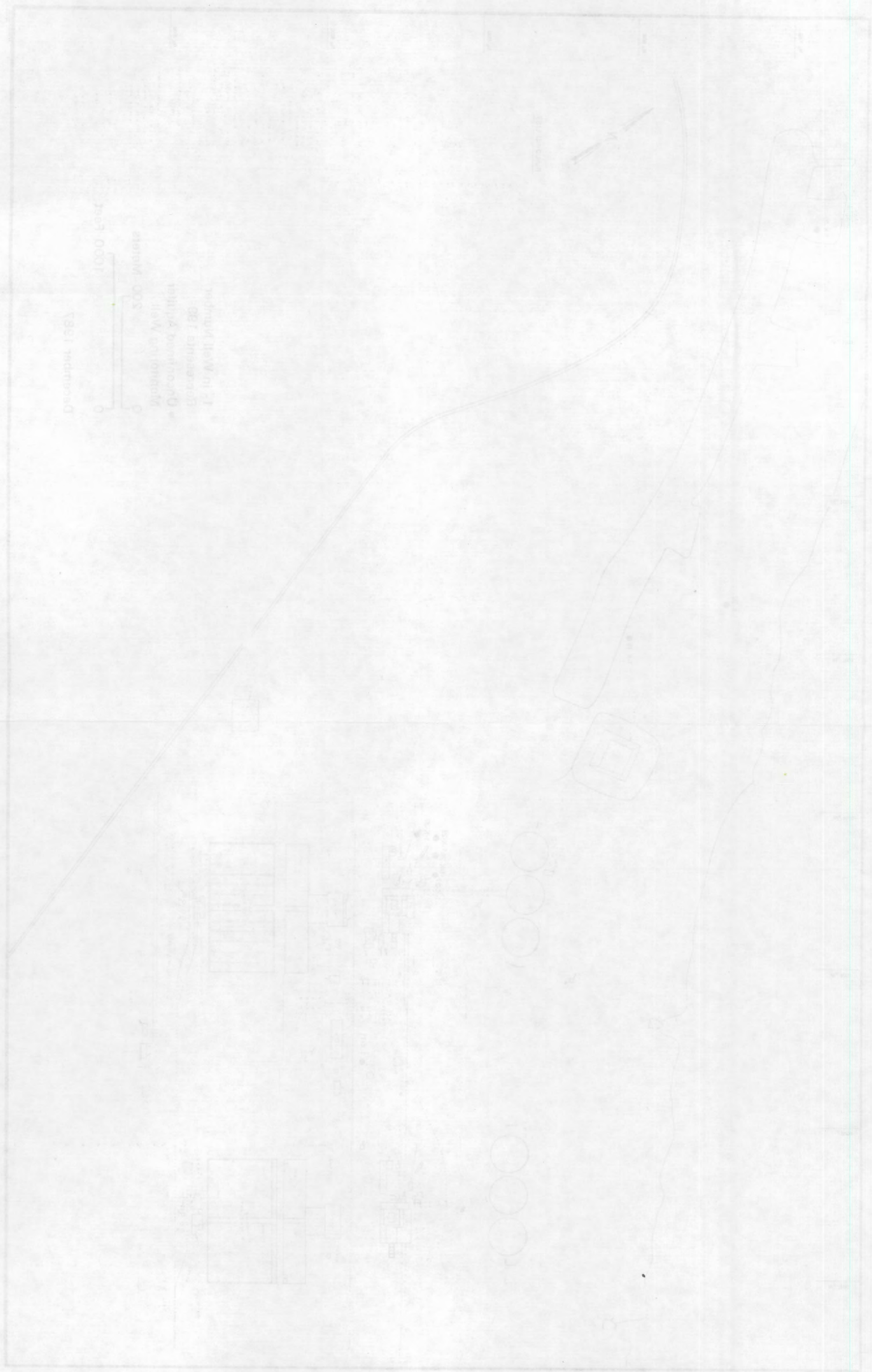




**FIGURE 3.6.** Location of 100-K Area Ground-Water Monitoring Wells Sampled During July Through December 1987 3.17



1. Описание местности в декабре 1863 г.  
 2. План местности в декабре 1863 г.  
 3. План местности в декабре 1863 г.



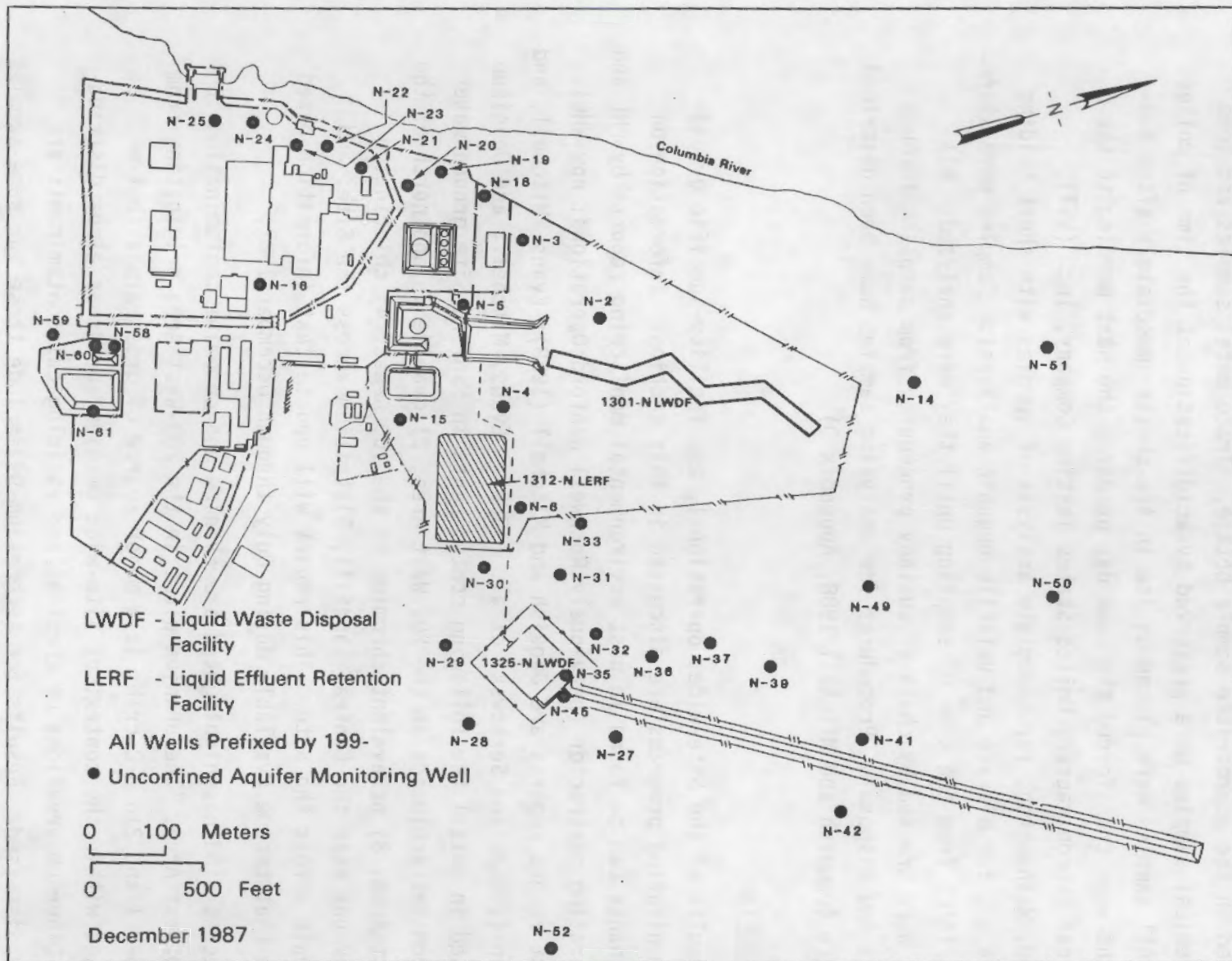


FIGURE 3.7. Location of 100-N Area Ground-Water Monitoring Wells Sampled During July Through December 1987



septum-sealed cap. When sampling for filtered trace metals, a disposable, 0.45-micron pore-sized filter pack was connected to the Teflon sampling line. The filter was purged with 0.13 gal (500 mL) of well water, then a sample was collected in the appropriate sample bottle. Trace metal samples and some radiochemical samples were preserved by acidification at the time of collection. All samples were placed on ice in ice chests immediately after sampling and were transferred the same day or early the next morning to the analytical subcontractor, United States Testing Company, Inc. (UST), Richland, Washington, for immediate analysis of species with short holding times (e.g., for nitrate and volatile organic analyses). Samples were stored at 39°F (4°C) from the time of sampling until they were analyzed. All samples were tracked by chain-of-custody procedures from sampling through analysis and disposal. Procedures for analyzing samples have been described elsewhere (Jaquish and Mitchell 1988, Appendix D).

### 3.2 RESULTS

Results of the Site-wide, operational, and facility-specific groundwater monitoring programs are discussed in this section. Information on contaminants can be found in past environmental monitoring reports by PNL and the operating contractor (previously Rockwell Hanford Operations; now WHC). The most recent reports are Jaquish and Mitchell (1988); Evans, Mitchell, and Dennison (1988); and Serkowski et al. (1988). Evans, Mitchell, and Dennison discussed in detail the following contaminants in Hanford Site ground water: 1) carbon tetrachloride in the 200-West Area, 2) cyanide in and north of the 200-East Area, 3) hexavalent chromium in the 100 Areas, 4) chlorinated hydrocarbons near the Central Landfill, 5) tritium across the Site; and 6) nitrate across the Site. This report will update that information based on data that became available during July through December 1987.

Recent findings highlighted are cyanide and chromium contamination in the 200-West Area. The uranium plume in the 200-West Area originating from the 216-U-1 and 216-U-2 cribs is a major source of gross alpha that will be discussed within the context of Site-wide uranium and gross alpha distribution. Other observations of chemical and radiological contaminants are briefly discussed. Results for technetium-99 include those for some samples



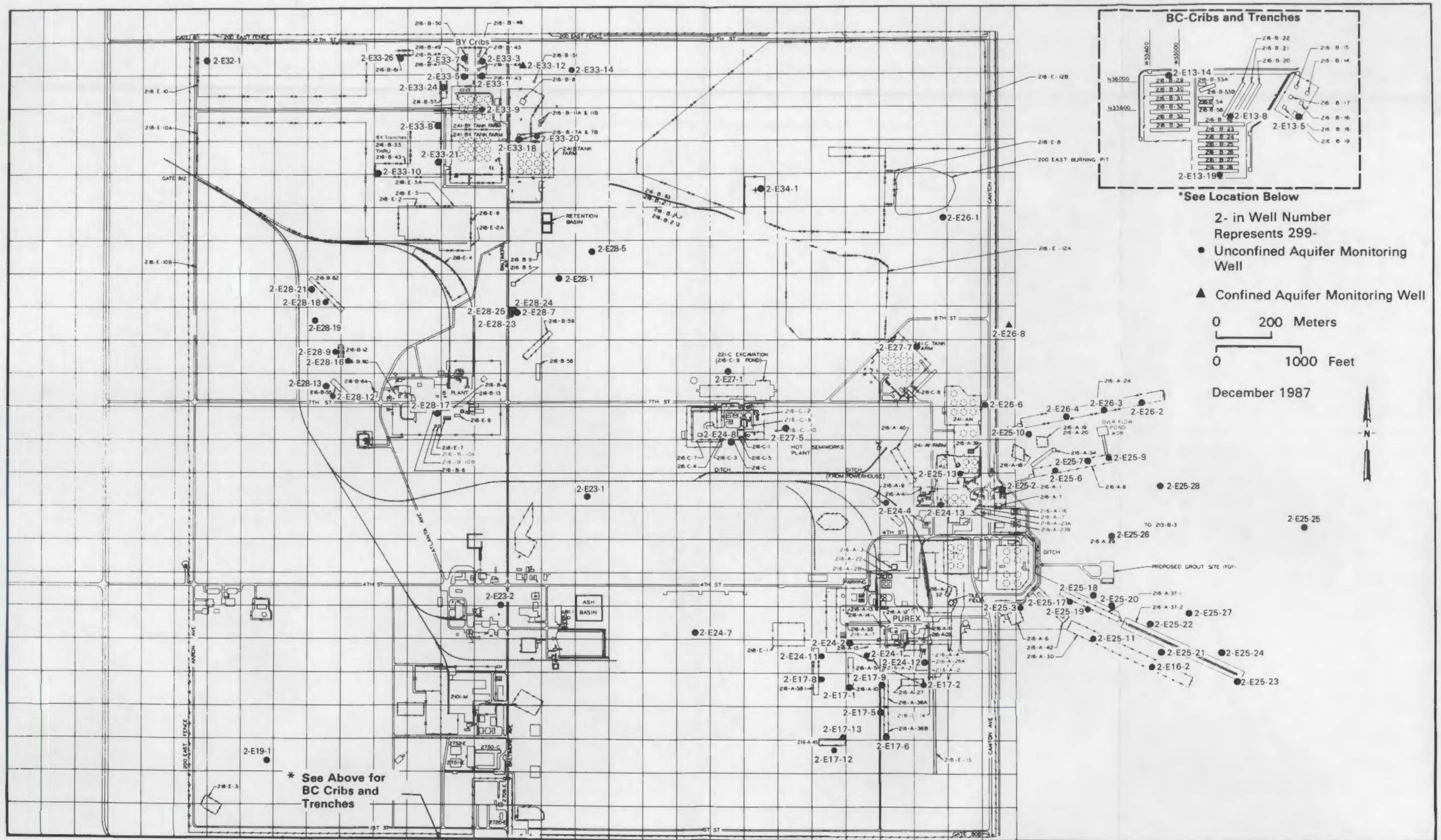
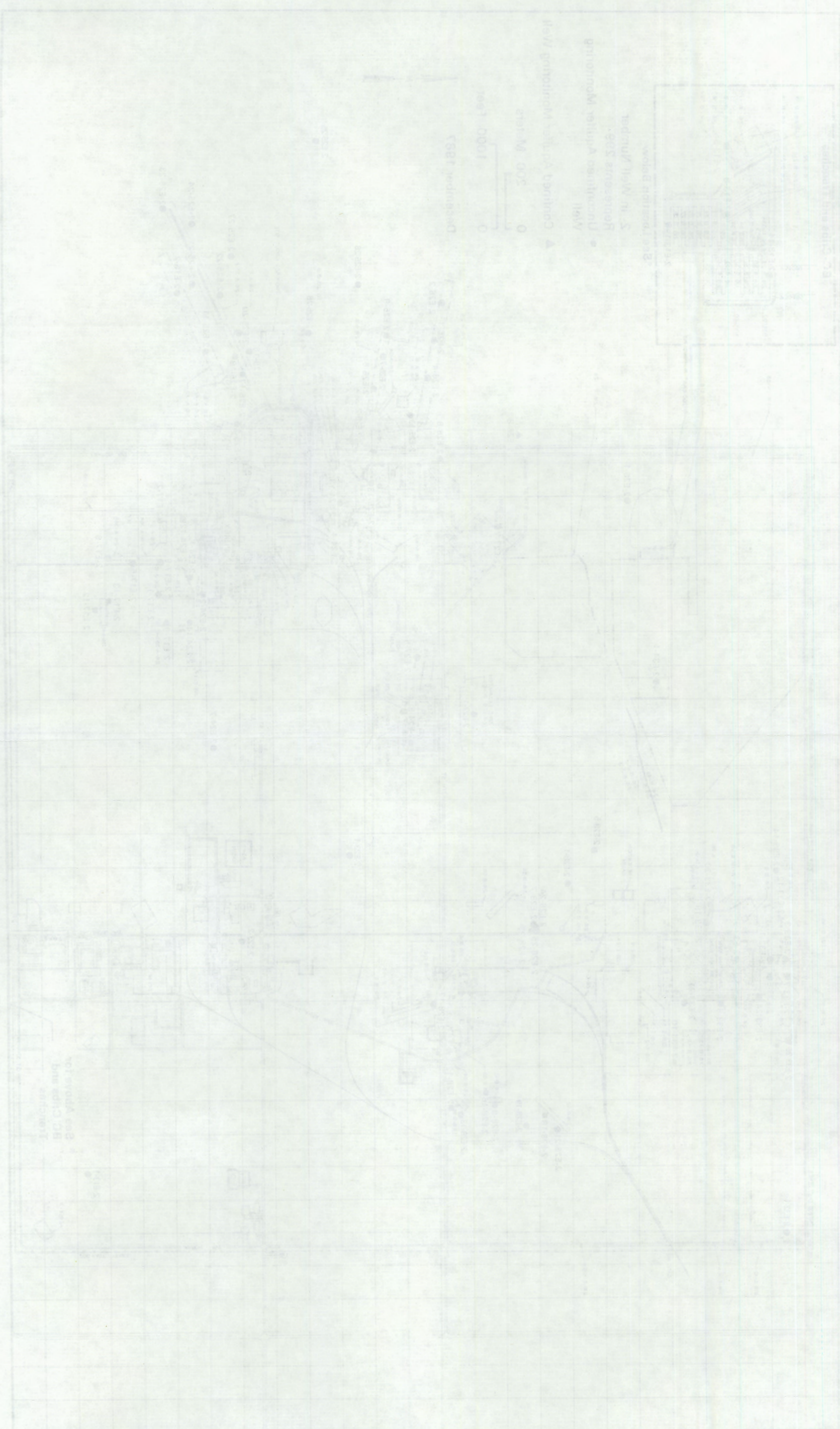


FIGURE 3.8. Location of 200-East Area Ground-Water Monitoring Wells Sampled During July Through December 1987 3.21



FIGURE 3. The location of the study area in the region of the ...





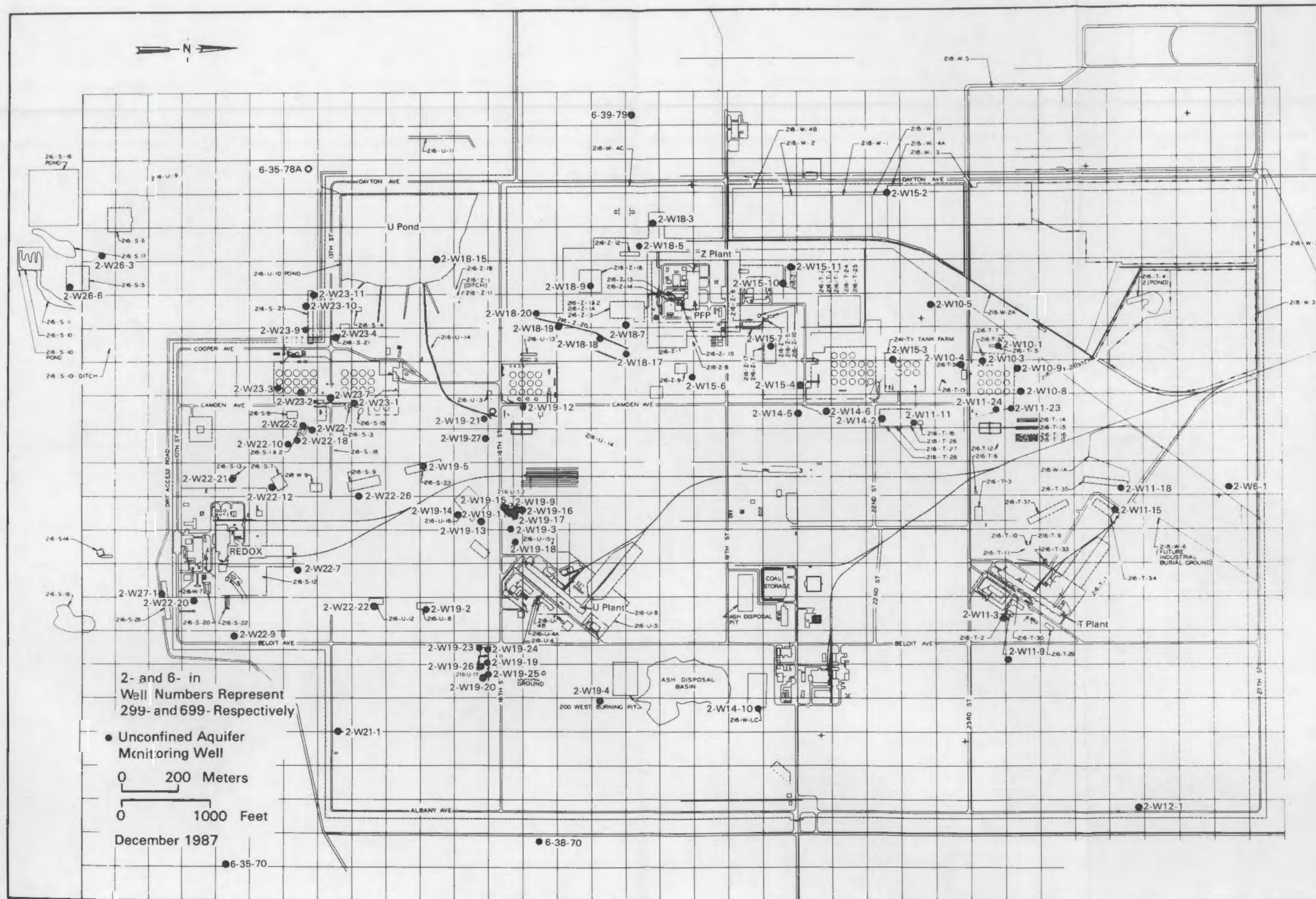
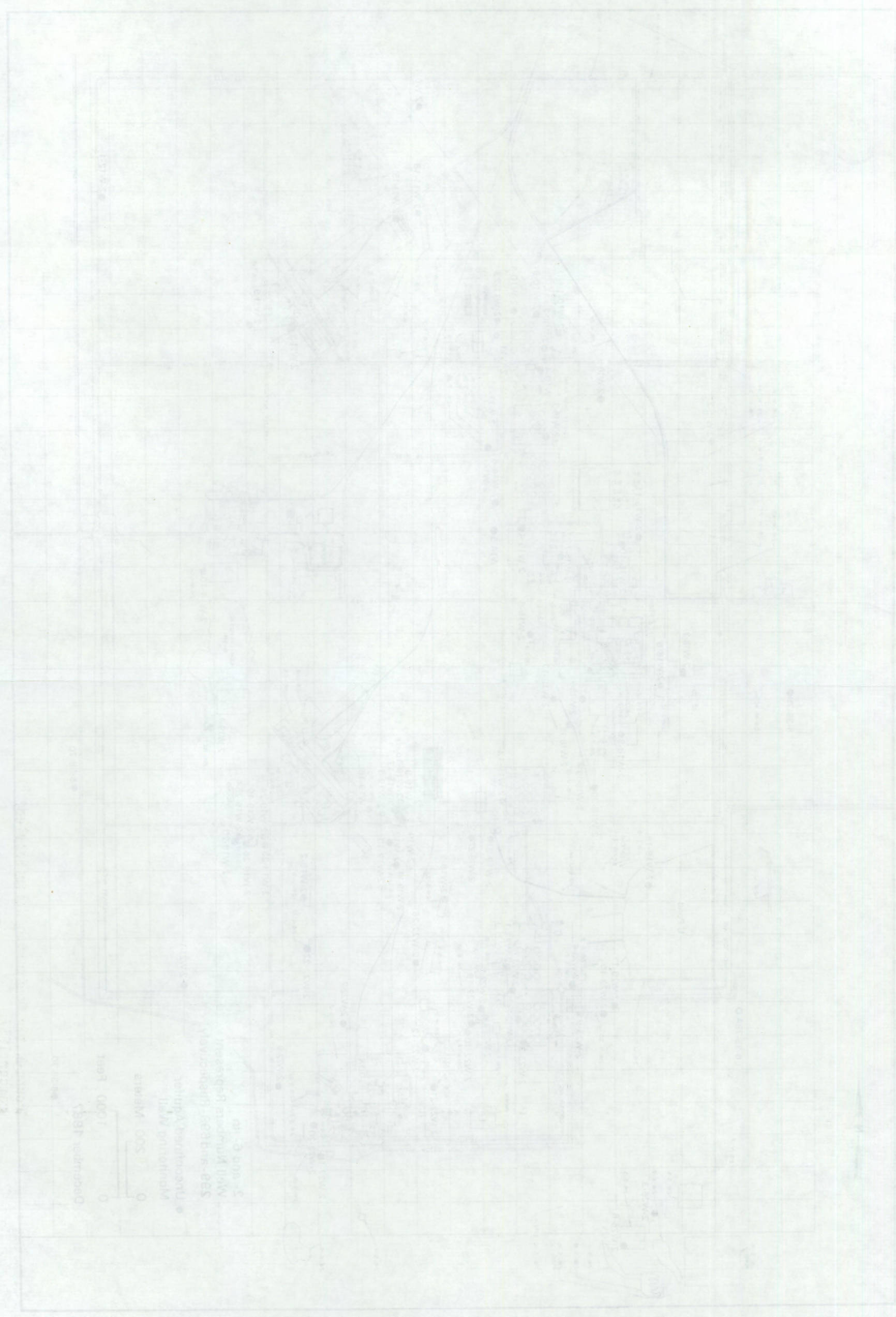


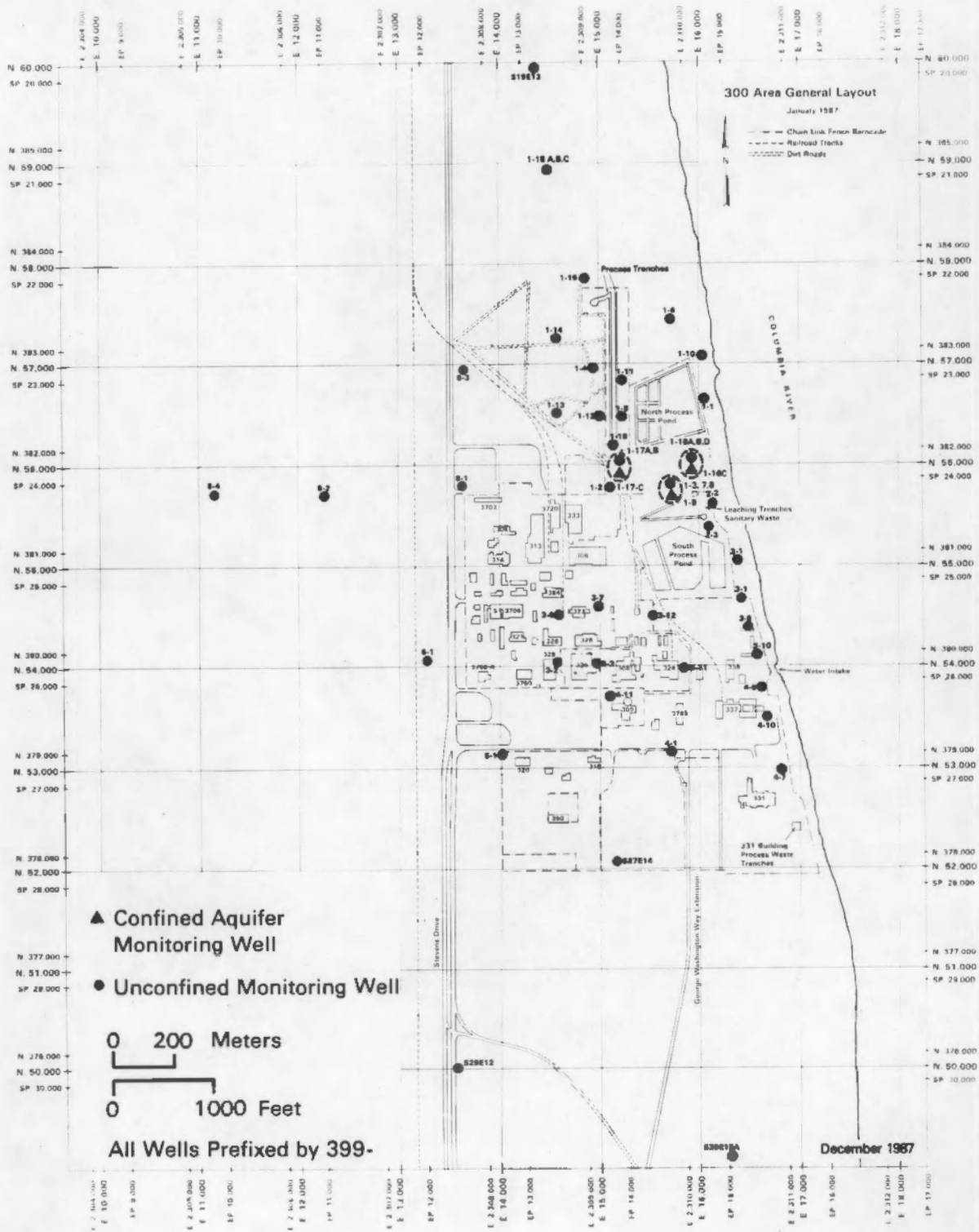
FIGURE 3.9. Location of 200-West Area Ground-Water Monitoring Wells Sampled 3.23 During July Through December 1987



ETAPRE 3.8. (Location of 500-624 VLFs along the NE-JS 2-subject)







**FIGURE 3.10.** Location of 300 Area Ground-Water Monitoring Wells Sampled During July Through December 1987

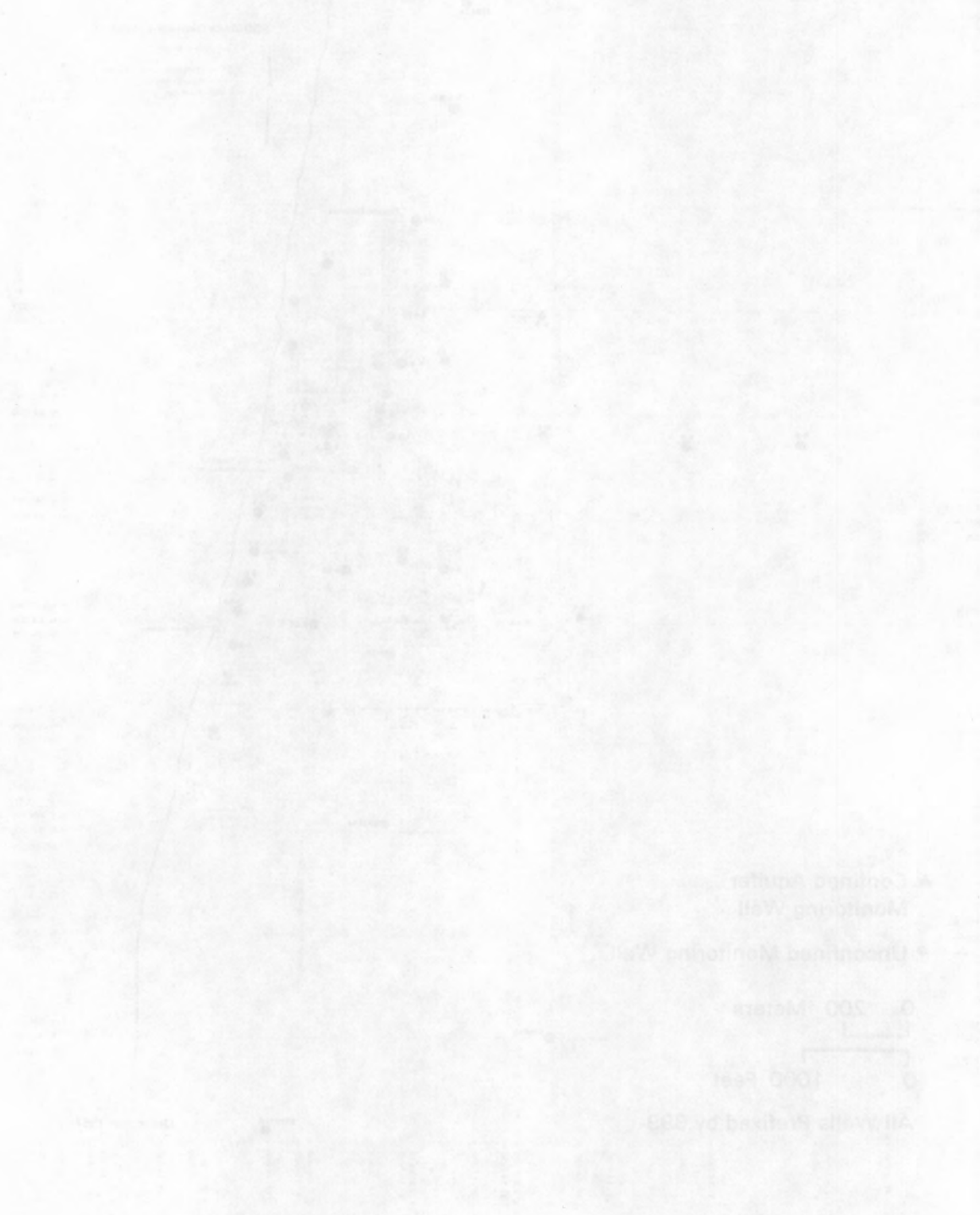
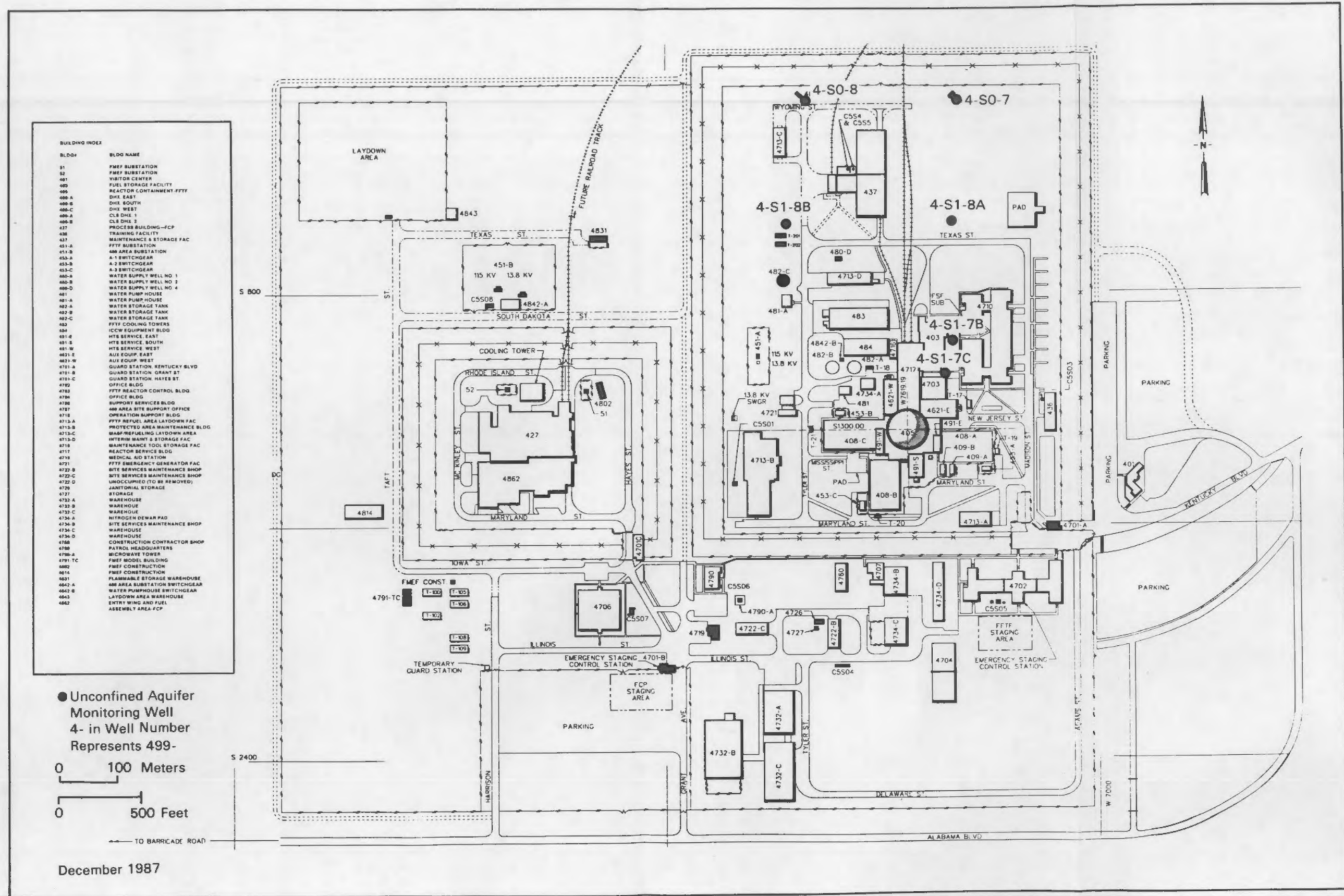


Figure 3.107. Location of 300-acre ground-water monitoring wells sampled during July through December 1997.



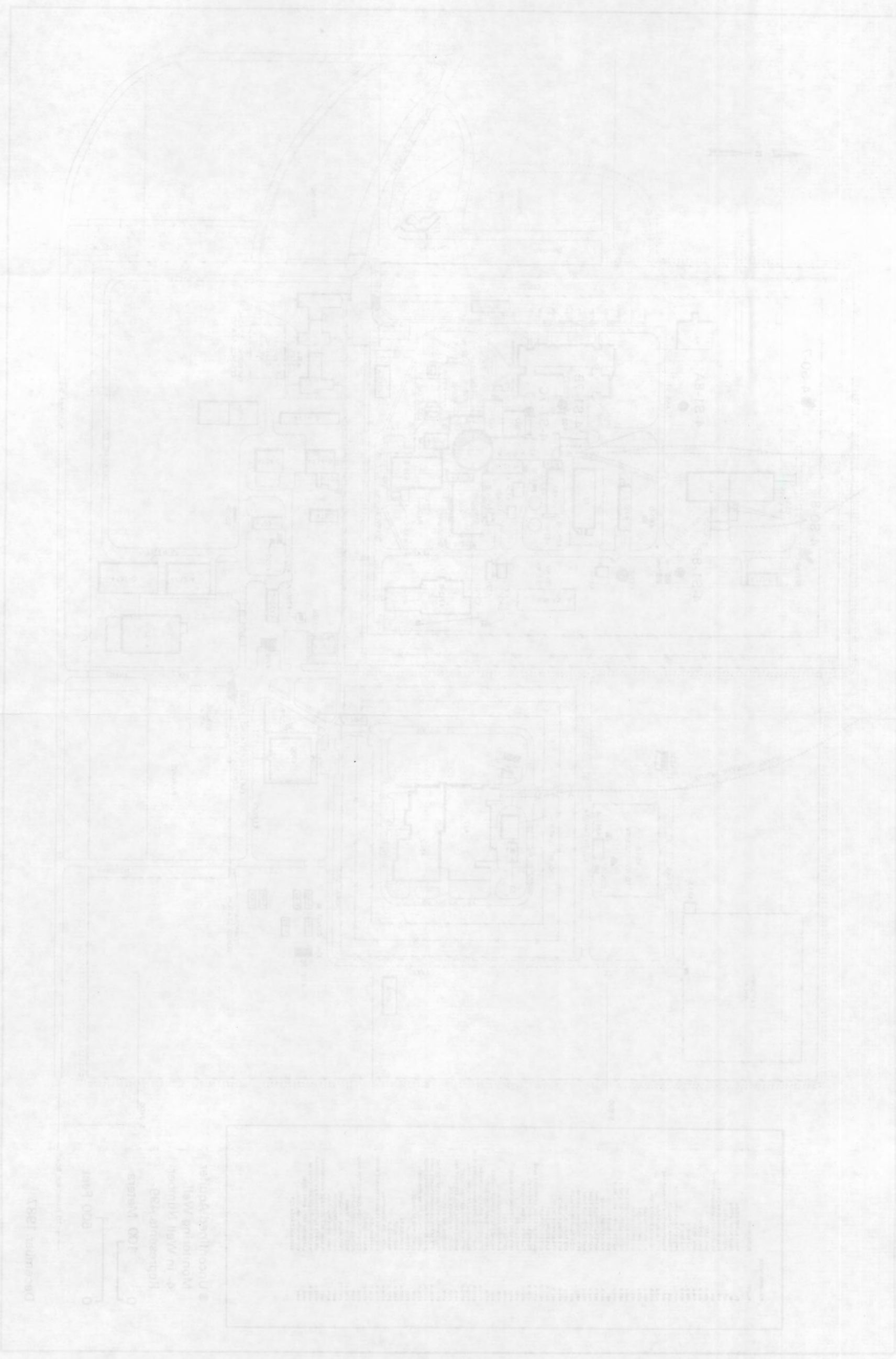
| BLDG#   | BLDG NAME                             |
|---------|---------------------------------------|
| 31      | FMEF SUBSTATION                       |
| 32      | FMEF SUBSTATION                       |
| 401     | VISITOR CENTER                        |
| 409     | FUEL STORAGE FACILITY                 |
| 409     | REACTOR CONTAINMENT FFTF              |
| 409-A   | DHX EAST                              |
| 409-B   | DHX SOUTH                             |
| 409-C   | DHX WEST                              |
| 409-A   | CL8 DHX 1                             |
| 409-B   | CL8 DHX 2                             |
| 409-C   | CL8 DHX 3                             |
| 437     | PROCESS BUILDING-FCP                  |
| 437     | TRAINING FACILITY                     |
| 437     | MAINTENANCE & STORAGE FAC             |
| 451-A   | FFTF SUBSTATION                       |
| 451-B   | 400 AREA SUBSTATION                   |
| 453-A   | A-1 SWITCHGEAR                        |
| 453-B   | A-2 SWITCHGEAR                        |
| 453-C   | A-3 SWITCHGEAR                        |
| 460-A   | WATER SUPPLY WELL NO. 1               |
| 460-B   | WATER SUPPLY WELL NO. 2               |
| 460-C   | WATER SUPPLY WELL NO. 3               |
| 461     | WATER PUMP HOUSE                      |
| 461-A   | WATER PUMP HOUSE                      |
| 462-A   | WATER STORAGE TANK                    |
| 462-B   | WATER STORAGE TANK                    |
| 462-C   | WATER STORAGE TANK                    |
| 462     | FFTF COOLING TOWERS                   |
| 464     | CCW EQUIPMENT BLDG                    |
| 461-E   | HTE SERVICE EAST                      |
| 461-S   | HTE SERVICE SOUTH                     |
| 461-W   | HTE SERVICE WEST                      |
| 4621-E  | AUX EQUIP. EAST                       |
| 4621-W  | AUX EQUIP. WEST                       |
| 4701-A  | GUARD STATION KENTUCKY BLVD           |
| 4701-B  | GUARD STATION GRANT ST                |
| 4701-C  | GUARD STATION HAYES ST                |
| 4702    | OFFICE BLDG                           |
| 4702    | FFTF REACTOR CONTROL BLDG             |
| 4704    | OFFICE BLDG                           |
| 4706    | SUPPORT SERVICES BLDG                 |
| 4707    | 400 AREA SITE SUPPORT OFFICE          |
| 4718    | OPERATION SUPPORT BLDG                |
| 4713-A  | FFTF REFUEL AREA LAYDOWN FAC          |
| 4713-B  | PROTECTED AREA MAINTENANCE BLDG       |
| 4713-C  | M&P/REFUELING LAYDOWN AREA            |
| 4713-D  | INTERIM MAINT & STORAGE FAC           |
| 4718    | MAINTENANCE TOOL STORAGE FAC          |
| 4711    | REACTOR SERVICE BLDG                  |
| 4718    | MEDICAL AID STATION                   |
| 4721    | FFTF EMERGENCY GENERATOR FAC          |
| 4722-B  | SITE SERVICES MAINTENANCE SHOP        |
| 4722-C  | SITE SERVICES MAINTENANCE SHOP        |
| 4722-D  | UNOCCUPIED (TO BE REMOVED)            |
| 4729    | JANITORIAL STORAGE                    |
| 4727    | WAREHOUSE                             |
| 4732-A  | WAREHOUSE                             |
| 4732-B  | WAREHOUSE                             |
| 4732-C  | WAREHOUSE                             |
| 4734-A  | NITROGEN DEWAR PAD                    |
| 4734-B  | SITE SERVICES MAINTENANCE SHOP        |
| 4734-C  | WAREHOUSE                             |
| 4734-D  | WAREHOUSE                             |
| 4768    | CONSTRUCTION CONTRACTOR SHOP          |
| 4768    | PATROL HEADQUARTERS                   |
| 4768-A  | MICROWAVE TOWER                       |
| 4791-TC | FMEF MODEL BUILDING                   |
| 4802    | FMEF CONSTRUCTION                     |
| 4814    | FMEF CONSTRUCTION                     |
| 4831    | FLAMMABLE STORAGE WAREHOUSE           |
| 4842-A  | 400 AREA SUBSTATION SWITCHGEAR        |
| 4842-B  | WATER PUMPHOUSE SWITCHGEAR            |
| 4843    | LAYDOWN AREA WAREHOUSE                |
| 4843    | ENTRY WING AND FUEL ASSEMBLY AREA-FCP |

● Unconfined Aquifer Monitoring Well  
 4- in Well Number Represents 499-  
 0 100 Meters  
 0 500 Feet  
 TO BARRICADE ROAD

FIGURE 3.11. Location of 400 Area Ground-Water Monitoring Wells Sampled 3.27 During July Through December 1987



FIGURE 3-11  
 Detailed site plan showing the location of the proposed development in the  
 vicinity of the existing development.



collected in the previous quarter. This report also includes the neutron activation analysis results of annual iodine-129 samples.

Results are discussed relative to the EPA maximum contaminant level (MCL), to the DOE derived concentration guide (DCG) appropriate for each constituent (Appendix C), and to background concentrations. The MCLs for radionuclides are more restrictive than the DCGs because the MCLs are based on an annual dose to the affected organ of 4 mrem per year, while the DCGs are based on an effective dose of 100 mrem per year. DCGs are only relevant to radionuclides. Background concentrations of contaminants have been estimated from ground-water samples collected in areas not affected by Hanford operations. Estimates of background concentrations for selected constituents are listed in Table 3.2. Radionuclide concentrations in Hanford Site ground water are under administrative control by DOE Order 5480.1, which contains the DCGs.

### 3.2.1 Carbon Tetrachloride in the 200-West Area

Carbon tetrachloride ( $\text{CCl}_4$ ) contamination has been found beneath much of the 200-West Area. The contamination is believed to be from waste disposal operations associated with the Plutonium Finishing Plant (PFP) before 1973. Maximum concentrations detected in each well during 1987 are shown in Figure 3.12. The MCL for  $\text{CCl}_4$  is 5 ppb. The detection limit of the gas chromatography/mass spectrometry method used for analysis is also 5 ppb. A maximum concentration of 4520 ppb (well 299-W15-11, Figure 3.12) was found near the PFP in December 1987 (location of the PFP is shown in Figure 3.9). The plot shows high concentrations of  $\text{CCl}_4$  near T Plant and the PFP. The plume includes the area beneath the low-level burial ground. Carbon tetrachloride contamination from earlier Hanford Site operations in the 200-West Area is thus expected to cause ambiguities in the interpretation of monitoring data from the RCRA project for the low-level burial ground waste management units. There appears to be a plume of limited areal extent across the southern end of the 200-West Area. It is difficult to define completely the  $\text{CCl}_4$  plume or plumes because of the lack of usable wells in some critical areas. A large fraction of the 200-West Area has no wells usable for chemical monitoring, and the wells to the north are sparsely distributed. With



**TABLE 3.2. Estimated Background Levels for Selected Constituents in Hanford Ground Water**

| Constituent  | Detection Limit <sup>(a)</sup> | Background Concentration <sup>(a,b)</sup> |
|--------------|--------------------------------|---|
| Aluminum     | 150                            | < 150                                     |
| Ammonia      | 50                             | 60 ± 47                                   |
| Arsenic      | 5                              | < 5                                       |
| Barium       | 6                              | 43 ± 21                                   |
| Cadmium      | 2                              | < 2                                       |
| Calcium      | 50                             | 43,000 ± 14,000                           |
| Chloride     | 500                            | 9,430 ± 5,530                             |
| Chromium     | 10                             | < 10                                      |
| Copper       | 10                             | < 10                                      |
| Cyanide      | 10                             | < 10                                      |
| Fluoride     | 500                            | 630 ± 240                                 |
| Lead         | 5                              | < 5                                       |
| Magnesium    | 10                             | 11,700 ± 2,750                            |
| Manganese    | 5                              | 16 ± 25                                   |
| Mercury      | 0.1                            | < 0.1                                     |
| Nickel       | 10                             | < 10                                      |
| Phosphate    | 1000                           | < 1000                                    |
| Potassium    | 100                            | 5,835 ± 1,378                             |
| Selenium     | 5                              | < 5                                       |
| Silver       | 10                             | < 10                                      |
| Sodium       | 10                             | 20,540 ± 6,690                            |
| Strontium    | 300                            | 320 ± 86                                  |
| Sulfate      | 500                            | 40,100 ± 13,200                           |
| Vanadium     | 5                              | 17 ± 7                                    |
| Zinc         | 5                              | 10 ± 11                                   |
| Alkalinity   | --                             | 123,000 ± 21,000                          |
| pH           | --                             | 7.64 ± 0.16                               |
| TOC          | 200                            | 586 ± 347                                 |
| Conductivity | 1 <sup>(c)</sup>               | 380 ± 82                                  |
| Gross Alpha  | 0.5 <sup>(d)</sup>             | 2.5 ± 1.4                                 |
| Gross Beta   | 4 <sup>(d)</sup>               | 19 ± 12                                   |
| Radium       | 0.2 <sup>(d)</sup>             | < 0.2                                     |

(a) Units in ppb unless otherwise noted.

(b) Data printed is as received; does not indicate significant figures.

(c) Units in  $\mu\text{mho/cm}$ .

(d) Units in pCi/L.

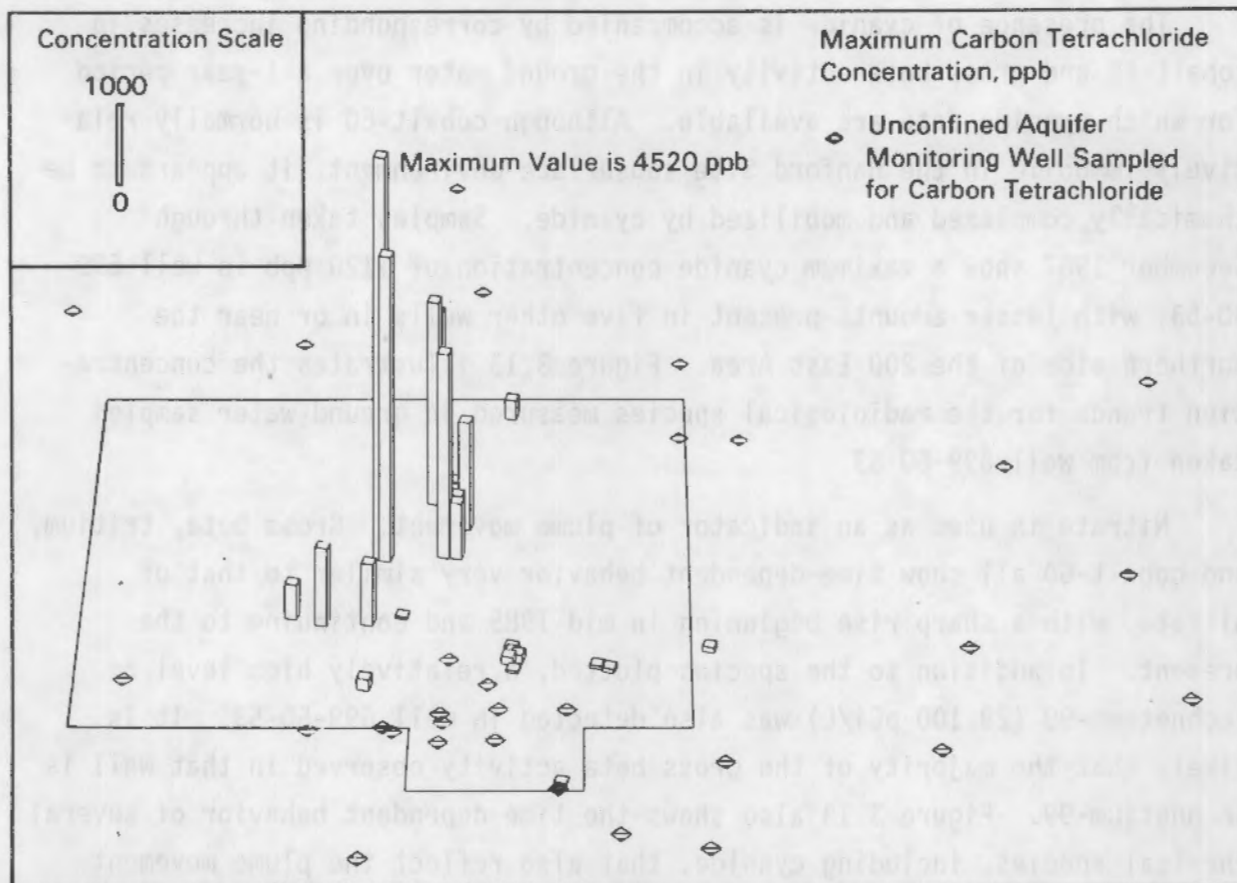


FIGURE 3.12. Maximum Carbon Tetrachloride Concentrations in 200-West Area Unconfined Aquifer Wells in 1987

the exception of trace amounts found at the Central Landfill, no significant  $CCl_4$  contamination was found outside the 200-West Area and immediate environs.

### 3.2.2 Cyanide Contamination in and North of the 200-East Area

Sampling for chemicals in March 1987 included several 600 Area wells directly north of the 200-East Area. Cyanide was detected in ground-water samples from two wells (699-49-57 and 699-50-53). More extensive sampling during the third quarter (April through June) confirmed those preliminary results. Ground water from a third well (299-E33-5) inside the 200-East Area was also found to contain cyanide. The cyanide source is believed to be wastes containing ferricyanide disposed of in the BY cribs in the 1950s.

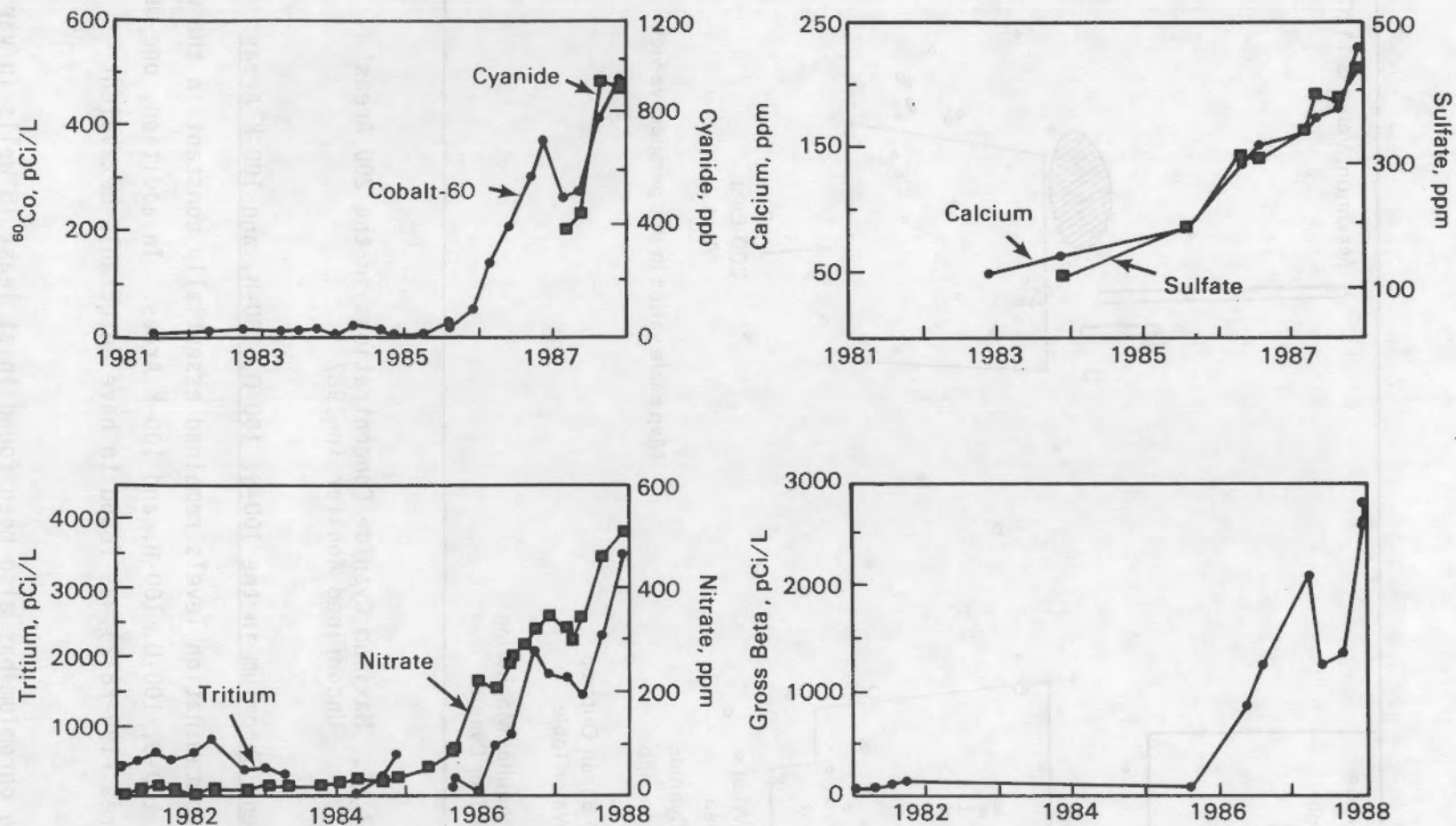


The presence of cyanide is accompanied by corresponding increases in cobalt-60 and gross beta activity in the ground water over a 1-year period for which cyanide data are available. Although cobalt-60 is normally relatively immobile in the Hanford Site subsurface environment, it appears to be chemically complexed and mobilized by cyanide. Samples taken through December 1987 show a maximum cyanide concentration of 1120 ppb in well 699-50-53, with lesser amounts present in five other wells in or near the northern side of the 200-East Area. Figure 3.13 illustrates the concentration trends for the radiological species measured in ground-water samples taken from well 699-50-53.

Nitrate is used as an indicator of plume movement. Gross beta, tritium, and cobalt-60 all show time-dependent behavior very similar to that of nitrate, with a sharp rise beginning in mid-1985 and continuing to the present. In addition to the species plotted, a relatively high level of technetium-99 (29,100 pCi/L) was also detected in well 699-50-53. It is likely that the majority of the gross beta activity observed in that well is technetium-99. Figure 3.13 also shows the time-dependent behavior of several chemical species, including cyanide, that also reflect the plume movement. The extent of the contamination is currently limited to approximately 1 mi<sup>2</sup> (2.5 km<sup>2</sup>); however, the actual extent of the plume is difficult to determine because there are few wells in the area. No MCL for cyanide exists. The regulations specify detection-level monitoring for cyanide. The detection limit for cyanide is typically 5 to 10 ppb, using EPA's standard analytical method (SW-846 Method 9010, EPA 1982).

Low-level cyanide contamination has also been detected in three widely spaced wells in the 200-West Area (299-W12-1, 299-W14-2, and 299-W18-7) and one well (699-38-70) immediately east of the 200-West Area. The significance of these observations has not been fully assessed. Solutions containing ferrocyanide that have been disposed of in the 200-West and 200-East Areas are likely the source. Figure 3.14 illustrates the distribution of cyanide. Positive detection of cyanide is limited to the 200 Areas and immediate environs.





**FIGURE 3.13.** Cobalt-60, Cyanide, Calcium, Sulfate, Tritium, Nitrate, and Gross Beta Concentrations in Ground-Water Samples Collected from Well 699-50-53

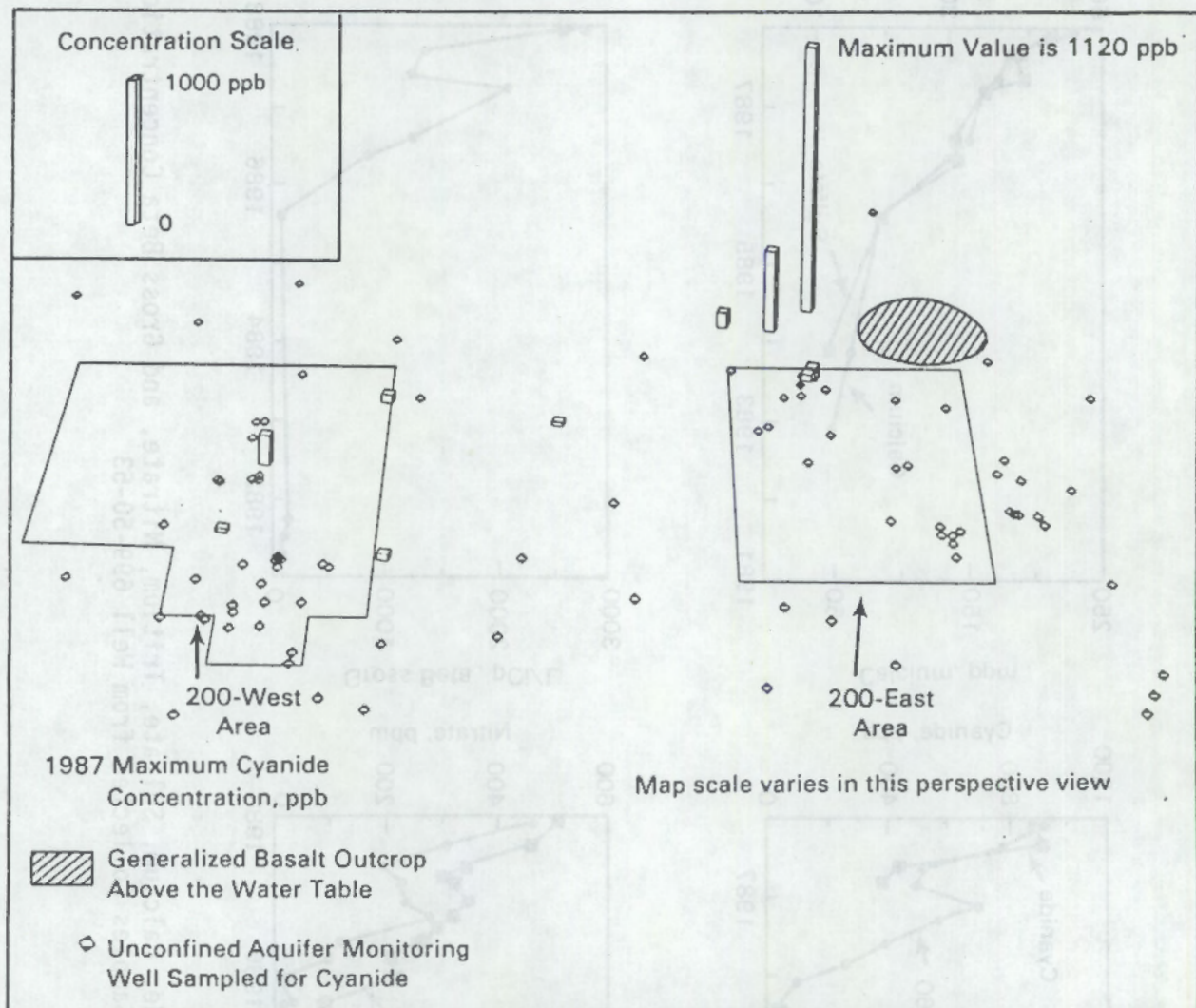


FIGURE 3.14. Maximum Cyanide Concentrations in the 200 Areas' Unconfined Aquifer in 1987

### 3.2.3 Hexavalent Chromium in the 100-B, 100-D, 100-H, and 100-K Areas

Chromium contamination levels remained essentially constant in the wells sampled in the 100-B, 100-D, 100-H, and 100-K Areas. In addition, one well in the 100-F Area (199-F8-2) was found to have detectable hexavalent chromium.

Detectable chromium has also been found in at least 18 wells in various parts of the 600 Area. Particularly noteworthy are three wells near the 100-D Area (699-83-47, 699-96-49, and 699-97-51A) that show chromium



concentrations near or above the MCL. Well 699-97-43, which is approximately 0.6 mi (1 km) west of the 100-H Area boundary, was found to have a hexavalent chromium level of 191 ppb, which is four times the MCL.

Chromium contamination also appears to be widely distributed in the 200-West Area, with eight wells showing detectable chromium. Three wells in the 200-West Area (299-W10-4, 299-W10-9, and 299-W12-1) showed chromium concentrations above the 50-ppb MCL. The distribution of chromium contamination appears to be random and may represent several independent, localized sources. A detailed delineation of the shape of the chromium plumes is not possible at this time because of the aforementioned problem of inadequate well coverage for much of the affected area.

A few wells in the 200-East Area also show evidence of minor chromium contamination. The highest level found is in well 299-E13-14, which showed a chromium concentration of 42 ppb in December 1987.

Figure 3.15 shows the Site-wide distribution of dissolved chromium in ground water. Diamonds shown on the plot represent measurements below the detection limit of 10 ppb for the inductively coupled-plasma spectrometry method.

#### 3.2.4 Chlorinated Hydrocarbons Near the Central Landfill

Chlorinated hydrocarbon contamination levels at the Central Landfill remained essentially constant in the affected wells for three sampling periods approximately 1 month apart. In addition to the four species previously reported (1,1,1-trichloroethane, trichloroethylene, perchloroethylene, and 1,1-dichloroethane), minor amounts of  $\text{CCl}_4$  were also seen in ground-water samples from three of the wells in July. The origin of the contamination is believed to be steam stripper waste containing degreasing solvents originating from the 1100 Area motor pool maintenance operations and disposed of in the Central Landfill.

#### 3.2.5 Volatile Organic Compounds in the 300 Area

Several volatile organic compounds have been detected in ground-water samples from wells in and around the 300 Area. Compounds detected during July through December 1987 include chloroform, methylene chloride, methyl ethyl ketone (MEK), 1,1,1-trichloroethane (TCA), perchloroethene (PCE),

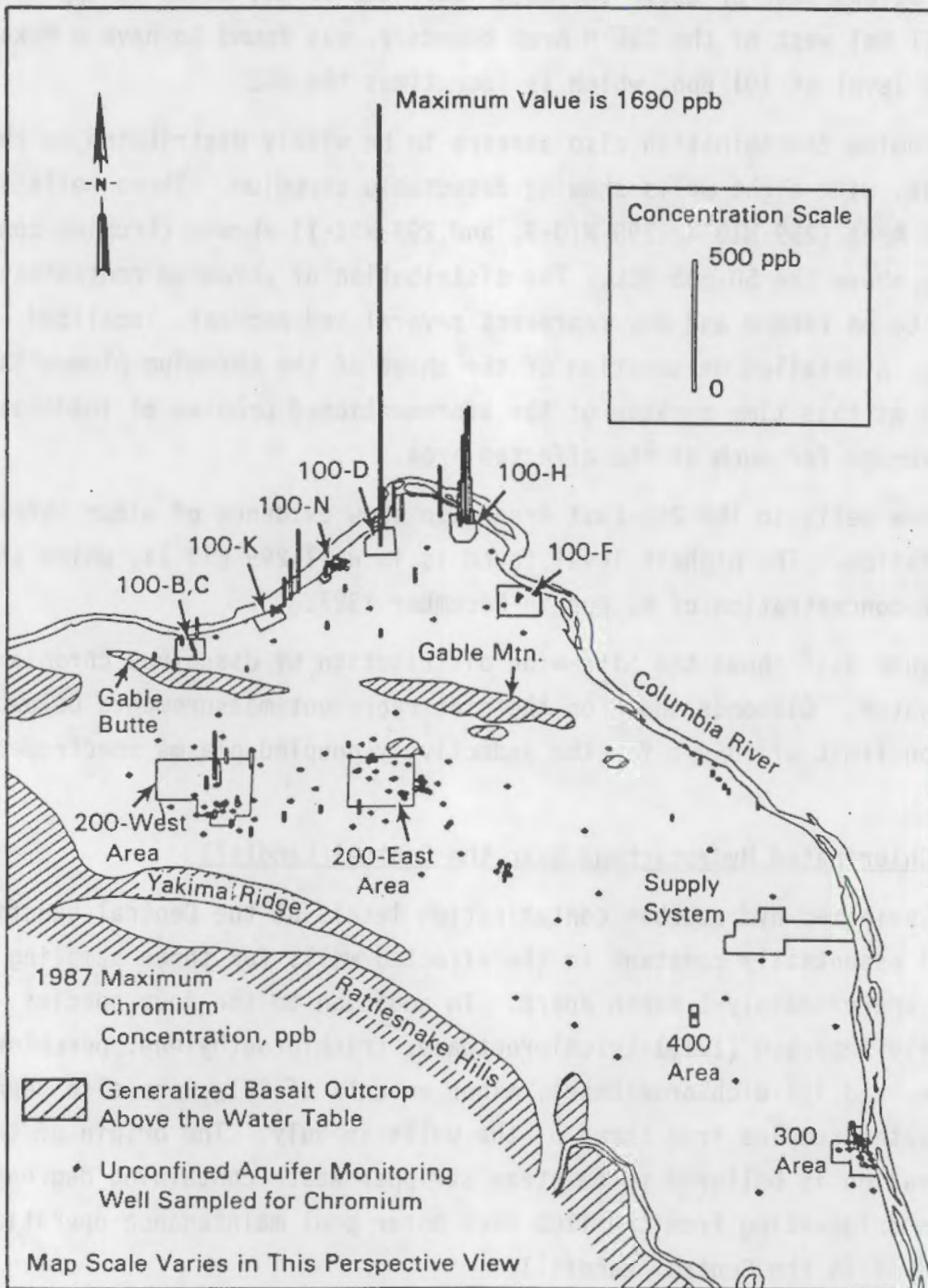


FIGURE 3.15. Maximum Chromium Concentrations in Unconfined Aquifer Wells in 1987



trichloroethene (TCE), and 1,2-dichloroethene (1,2-DCE). Samples were collected for the RCRA Ground-Water Compliance Monitoring Project investigating the 300 Area Process Trenches.

Chloroform was detected in concentrations of 10 to 20 ppb in a number of wells completed in the upper portion of the unconfined aquifer. Concentrations greater than the MCL (100 ppb) were not observed in the sampled wells. Methylene chloride has been reported for samples from wells throughout the RCRA monitoring network. No pattern as to the occurrence of this constituent has been identified.

Samples collected in November from several wells (399-1-13, 399-1-16A, 399-1-16B, 399-1-18A, 399-1-18B, and 399-1-18C) contained MEK in concentrations ranging from 11 ppb in well 399-1-16A to 45 ppb in well 399-1-18A. This was the first observation of MEK in samples from more than one 300 Area well. The detection of MEK in the samples may not be attributable to a ground-water source. The analytical laboratory reported MEK present in distilled water blanks analyzed during the same period as these ground-water samples. As a result of this finding, the analyst has stated that there is no conclusive evidence for MEK in the ground water. Additional samples will be collected and analyzed to confirm or refute the presence of MEK in the ground water.

The chlorinated hydrocarbon TCA was present in a least one ground-water sample collected from each of the following wells: 399-1-4, 399-1-11, 399-1-19, 399-8-2, and 699-S19-E13. Well 399-8-2 contained the highest concentration of TCA observed during the reporting period (19 ppb in November). A sample from this well contained 83 ppb of TCA in March; however, the compound was not detected in samples taken during August or June. The MCL for TCA is 200 ppb.

Perchloroethene (PCE) and TCE have been detected in ground-water samples from 300 Area wells. Perchloroethene has generally been detected only in wells completed in the upper portion of the unconfined aquifer, while TCE is detected in both shallow and intermediate-depth wells. Concentrations of PCE in samples collected from shallow wells ranged from 1 to 6 ppb between July



and December. Well 399-8-2 contained 42 ppb of PCE in March, but the concentration declined to 4 ppb in August and 6 ppb in November. No MCL is in effect for PCE.

Several wells (399-1-16B, 399-1-16C, 399-4-1, and 399-4-11) contained concentrations of TCE greater than the MCL (5 ppb) in at least one sample. The highest concentrations of TCE were found in well 399-1-16B, which had an average concentration of 21 ppb from June to November (unchanged from previous measurements). Well 399-1-16C is completed in the confined aquifer and contained 10 ppb of TCE in June and 2 ppb in November.

A degradation isomer of TCE, 1,2-DCE, has been detected consistently in samples from intermediate-depth wells 399-1-16B and 399-1-17B. The recommended MCL for 1,2-DCE is 70 ppb. The average concentrations in samples taken in June, August, and November were 66 ppb in well 399-1-16B and 25 ppb in well 399-1-17B. These concentrations were essentially unchanged from concentrations measured previously in 1987. The only shallow wells that contained 1,2-DCE were 399-1-17A and 399-1-19, which contained concentrations ranging from 1 to 3 ppb. Well 399-1-16C contained 20 ppb of 1,2-DCE in June, but the compound was not detected in subsequent samples.

The detection of organic compounds in well 399-1-16C appears to be related to inadequate sealing of well 399-1-16D. Water levels in well 399-1-16C declined 20 ft from February (the month in which the well was installed) to May 1987. No similar decline in water levels has been noted in other deep wells in the vicinity. The ground-water chemistry data from the June sampling of well 399-1-16C showed the presence of TCE, 1,2-DCE, and low concentrations of chloroform. Previously these compounds had only been detected in wells completed in the unconfined aquifer. Apparently all intervals of the local unconfined aquifer have been hydraulically interconnected as a result of inadequate sealing of well 399-1-16D. As a temporary measure to prevent the movement of these compounds from the unconfined aquifer into the confined aquifer, purging of well 399-1-16C to obtain a sample of the water in the confined aquifer has been limited.

The source of the organic compounds detected in 300 Area wells is unclear. With the exception of chloroform, which is normally only detected in wells adjacent to or downgradient from the process trenches, most of the



organic compounds have been detected in wells upgradient from the process trenches (e.g., wells 399-8-2, 699-S19-E13, and wells in the 399-1-18 cluster) in addition to wells downgradient from the trenches. The widespread occurrence of the compounds suggests that sources other than, or in addition to, the process trenches may be involved.

### 3.2.6 Nitrate Across the Site

Nitrate is associated with process condensate and other liquid wastes discharged to the ground (PNL 1987). The extent of nitrate contamination in the unconfined aquifer reflects the extensive use of nitrogen-bearing compounds (e.g., nitric acid and ammonia) in chemical reprocessing and decontamination operations.

Nitrate is analyzed for in most wells in all monitoring networks and was measured at concentrations greater than the MCL [45 ppm<sup>(a)</sup> as nitrate ion] in wells in all operational areas, except for the 100-B and 400 Areas. A plot of the maximum nitrate concentration in ground water from each well sampled throughout the Site is presented in Figure 3.16.

#### 3.2.6.1 Nitrate in the 100 Areas

In general, nitrate concentrations in wells in the 100-D, 100-F, and 100-K Areas were relatively unchanged from previous measurements. Concentrations in wells 199-D2-5 and 199-D5-12 remained above the MCL, with concentrations in July of 82 and 67 ppm, respectively. Concentrations in well 199-F8-1 continued to increase, rising from a concentration of 184 ppm in July to 218 ppm in October. Levels in the 100-F Area that remained above the MCL were those in wells 199-F5-4, 199-F7-1, and 199-F8-2, with average concentrations of 67, 100, and 93 ppm, respectively. Nitrate concentrations in well 699-77-26, located west of the 100-F Area, remained above the MCL, averaging 60 ppm. Levels in wells 199-K-11, 199-K-19, and 199-K-30 remained above the MCL, with respective concentrations of 48, 69, and 49 ppm in July.

Nitrate concentrations remained greater than the MCL in six 100-H Area wells (with average concentration): 199-H3-1 (67 ppm), 199-H4-3 (473 ppm), 199-H4-4 (310 ppm), 199-H4-9 (179 ppm), and 199-H4-2A (78 ppm). In addition,

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(a) ppm = ppb/1000.



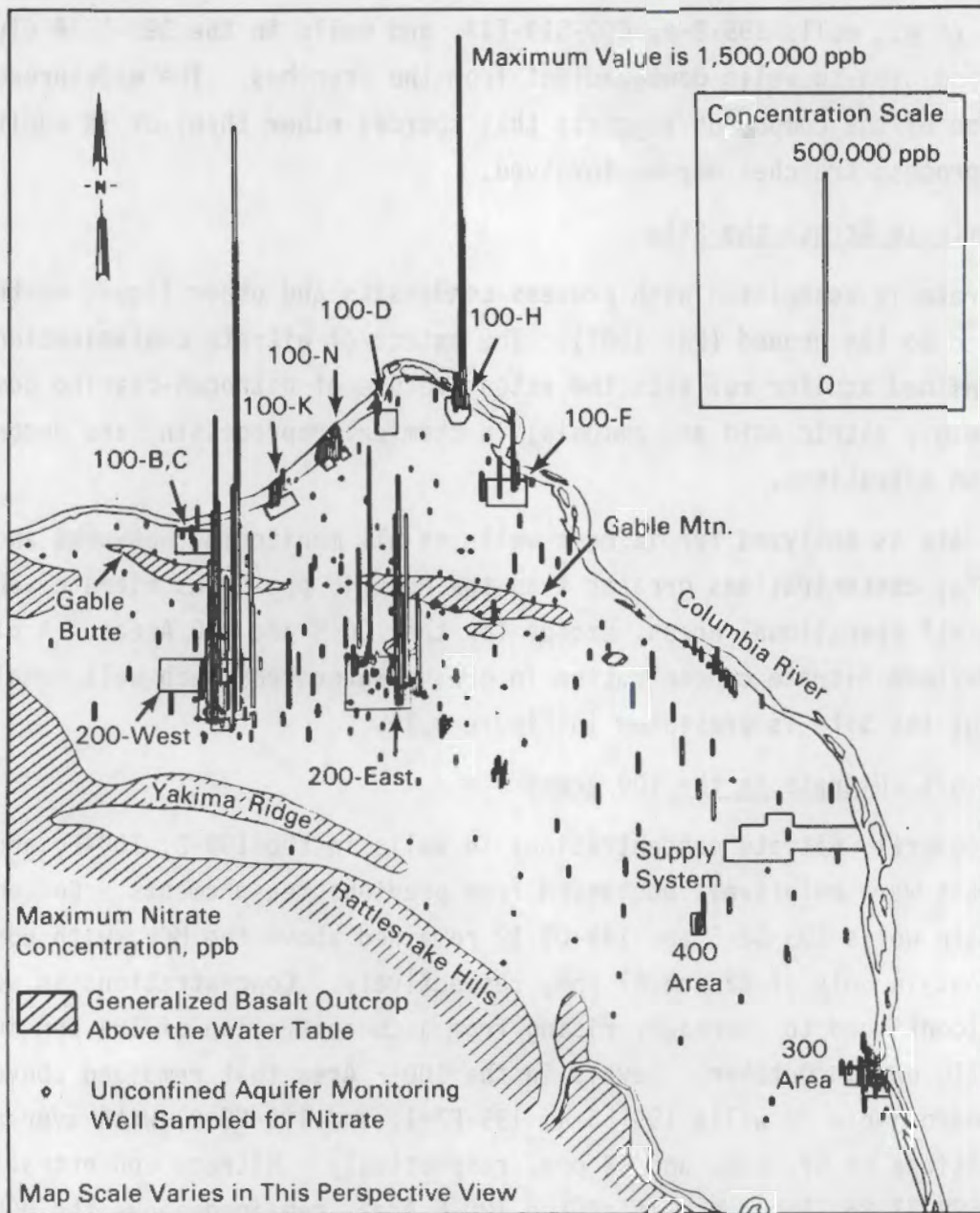


FIGURE 3.16. Maximum Nitrate Concentration in Unconfined Aquifer Wells in 1987

concentrations in wells 199-H4-12A and 199-H4-17 remained at or slightly above the MCL. With the exception of wells 199-H3-1 and 199-H4-17, all of these wells are located between the 183-H Solar Evaporation Basins and the Columbia River.

Nitrate concentrations in most 100-N Area wells continued to decrease or stabilized at levels less than the MCL. Concentrations of 10 to 20 ppm greater than the MCL were measured in ground-water samples from wells 199-N-28, 199-N-32, 199-N-33, 199-N-39, and 199-N-49. Wells 199-N-36, 199-N-37, and 199-N-45 previously contained nitrate in concentrations above the MCL, but concentrations fell below that level during this reporting period.

#### 3.2.6.2 Nitrate in the 200-East Area

The highest nitrate concentrations in the 200-East Area continued to be found near liquid waste disposal facilities (LWDFs) that receive effluent from PUREX plant operations. Well 299-E25-13 had the highest nitrate concentration measured in the 200-East Area, with an average concentration of 385 ppm. Although recent changes in the disposal of liquid waste from the PUREX Plant will modify the distribution and concentration of nitrate and other ground-water constituents in wells near PUREX LWDFs, insufficient data are available for the identification of trends resulting from these changes. Nitrate concentrations in wells 299-E17-1 and 299-E24-2, located near the 216-A-10 crib, which was removed from use in early 1987, remained above the MCL, with average concentrations of 370 and 180 ppm, respectively. Wells 299-E17-12 and 299-E17-13, located near the 216-A-45 crib, which replaced the 216-A-10 crib in receiving process condensate from the PUREX plant, contained average nitrate concentrations of 60 and 50 ppm, respectively. Discharge of ammonia scrubber waste from PUREX to the 216-A-36B crib was discontinued in 1987. Nitrate concentrations in wells 299-E17-5 and 299-E17-9, which monitor the 216-A-368 crib, remained above the MCL, with average concentrations of 180 and 130 ppm, respectively. Other wells, located south of PUREX in the vicinity of the 216-A-10, 216-A-36B, and 216-A-45 cribs, that contained nitrate in concentrations greater than the MCL include (with average concentration): 299-E17-8 (260 ppm), 299-E24-1 (310 ppm), 299-E24-11 (280 ppm), and 299-E24-12 (110 ppm).



Other 200-East Area wells with nitrate concentrations greater than the MCL are found near the following cribs: 216-A-30, 216-A-37-1, 216-B-62, and the BY cribs (i.e., cribs 216-B-43 through 216-B-50). Nitrate concentrations in well 299-E25-11 near the 216-A-30 crib, a PUREX steam-condensate-disposal crib, were above the MCL in June and July, but fell below that level during the remainder of 1987. Although the concentrations were fluctuating, nitrate in wells 299-E25-19 and 299-E25-20, located near the 216-A-37-1 crib that receives process condensate from the 242-A evaporator, remained greater than the MCL. Average concentrations in wells 299-E25-19 and 299-E25-20 were 106 and 174 ppm, respectively.

The existence of a nitrate plume emanating from the southeastern corner of the 200-East Area, as indicated by increasing nitrate concentrations in wells 699-32-43, 699-33-42, and 699-37-43, has been reported previously (Evans, Mitchell, and Dennison 1987). Nitrate concentrations in wells 699-32-43 and 699-33-42 continued to increase and approached the MCL, with each well containing 41 ppm in samples taken in August. The concentration in well 699-37-43 also continued to increase, but remained approximately four times less than the MCL.

Adjacent to the 216-B-62 crib, which receives B Plant process condensate, well 299-E28-18 contained 73 ppm nitrate in July, but the concentration had declined to 36 ppm by December. Five wells in the northern part of the 200-East Area and the adjacent 600 Area also contained nitrate in concentrations greater than the MCL. Wells 299-E33-1 and 299-E33-3, located near the BY cribs, contained concentrations of 54 and 61 ppm, respectively, in August, but these concentrations had fallen to 14 and 38 ppm in December. Immediately north of the BY cribs, wells 699-49-55A, 699-49-57, and 699-50-53 had average nitrate concentrations of 245, 65, and 495, respectively, which were relatively unchanged from the previous quarter.

#### 3.2.6.3 Nitrate in the 200-West Area

Nitrate concentrations greater than the MCL are widespread in the ground water beneath the 200-West Area. The highest concentrations appeared to be centered in three locations: 1) wells near U Plant, 2) wells in the northwestern part of the 200-West Area, and 3) wells near the 216-S-25 crib.



The highest nitrate concentrations measured across the Site continued to be found in wells east of U Plant near the 216-U-17 crib, which has never been used. The source of nitrate is believed to be wastes disposed of in the 216-U-1 and 216-U-2 cribs. These cribs received over 1 million kg of nitrate during their operation from 1951 to 1967 (DOE 1986). Wells 299-W19-19, 299-W19-20, 299-W19-23, 299-W19-24, 299-W19-25, and 299-W19-26 had average nitrate concentrations of 1360, 950, 530, 1330, 680, and 870 ppm, respectively. With the exception of well 299-W19-26, in which nitrate concentrations increased, concentrations in these wells remained constant throughout 1987. Nitrate concentrations in several wells located near the 216-U-1 and 216-U-2 cribs west of U Plant also remained greater than the MCL, but were generally decreasing. Concentrations in wells 299-W19-3, 299-W19-9, 299-W19-11, 299-W19-15, and 299-W19-18 decreased from 105, 129, 118, 98, and 253 ppm in June, respectively, to 71, 48, 102, 61, and 167 ppm in December. Other wells in the vicinity of U Plant with nitrate concentrations greater than the MCL were well 299-W19-2, near the inactive 216-U-8 crib, with an average concentration of 455 ppm, and wells 299-W19-13 and 299-W19-14, near the inactive 216-U-16 crib, with average concentrations of 256 and 298 ppm, respectively. Nitrate concentrations in well 299-W19-2 fluctuated throughout 1987, while the concentrations in wells 299-W19-13 and 299-W19-14 remained relatively constant, except for large nitrate increases in samples from both wells taken in December.

Several wells in the northwestern part of the 200-West Area continued to contain nitrate in concentrations greater than the MCL. These wells (299-W10-4, 299-W10-9, 299-W11-23, 299-W11-24, 299-W14-2, 299-W14-5, 299-W15-3, and 299-W15-4) are located near several inactive LWDFs that received waste from early T Plant operations. Average concentrations in these wells ranged from 46 ppm in well 299-W14-5 to 540 ppm in well 299-W15-4 and were equal to or lower than those previously measured.

Wells 299-W23-9 and 299-W23-10 monitor the 216-S-25 crib, which received waste from the 242-S evaporator, and contained average nitrate concentrations of 210 and 194 ppm, respectively. Nitrate concentrations in these wells decreased throughout the reporting period.



Other 200-West Area wells that contained nitrate concentrations greater than the MCL were 299-W6-1, 299-W14-10, 299-W15-10, 299-W15-11, 299-W22-20, and 299-W27-1, with average concentrations of 223, 80, 103, 136, 131, and 95 ppm, respectively. Concentrations in 600 Area wells 699-38-70, 699-40-62, and 699-44-64, located in the nitrate plume between the 200-East and 200-West Areas, remained near or greater than the MCL, with average concentrations of 245, 46, and 49 ppm, respectively. Well 699-38-65, also located within the plume, contained 189 ppm nitrate in August, but the concentration had declined to 54 ppm in November.

#### 3.2.6.4 Nitrate in Other Areas

Nitrate concentrations in 300 Area wells remained relatively unchanged, with those in well 399-5-1 remaining above the MCL, with an average concentration of 53 ppm. Concentrations in wells in the 400 Area were unchanged, with no concentrations above the MCL. Wells in the 600 Area not already mentioned that had concentrations greater than the MCL include 699-17-5, 699-37-82A, 699-38-15, and 699-61-62, with average concentrations of 66, 47, 54, and 49 ppm, respectively.

#### 3.2.7 Other Observations

Several other chemical and radiological species detected at levels that may be related to Hanford Site operations are discussed below.

##### 3.2.7.1 Ammonia

Numerous wells (59) show evidence of the presence of ammonia. Ammonia and ammonium salts have been widely used in a variety of applications on the Site. Two locations are worth noting because both are in operating areas. Wells 199-N-28 and 199-N-29 have average ammonia levels of 1480 and 2570 ppb, respectively. The same two wells also showed positive detection of phosphate. It is likely that the material originated as a decontamination solution containing ammonium phosphate. Wells 299-E28-18 and 299-E28-21 show maximum ammonia levels of 890 and 234 ppb, respectively, but these concentrations are widely variable. Both wells are near the 216-B-62 crib that receives B Plant process condensate. Ammonia is also used in the process to remove the zircaloy cladding from N Reactor fuel.



#### 3.2.7.2 Fluoride

A number of closely spaced wells in the 200-West Area show elevated levels of fluoride. Affected wells include 299-W10-4, 299-W10-9, 299-W14-5, 299-W14-6, and 299-W15-4, with maximum concentrations of 3420, 5380, 3520, 3410, and 12,700 ppb, respectively. The wells are all downgradient from LWDFs that received aluminum fluoride nitrate from Z plant. Fluoride levels outside the 200-West Area are uniformly low. A plot of the Site-wide distribution of fluoride is given in Figure 3.17.

#### 3.2.7.3 Sulfate

Elevated levels of sulfate have been detected at several locations. Wells 199-N-58, 199-N-59, 199-N-60, and 199-N-61 contain very high concentrations of sulfate, ranging up to 819,000 ppb. The sulfate in these wells results from the disposal of ion-exchange-filter backwash. Wells north of the BY cribs also show elevated sulfate, with well 699-50-53 reaching a maximum of 474,000 ppb in December (see Figure 3.13). The MCL for sulfate is 250,000 ppb. A plot of the Site-wide distribution of sulfate is given in Figure 3.18.

#### 3.2.7.4 Selenium

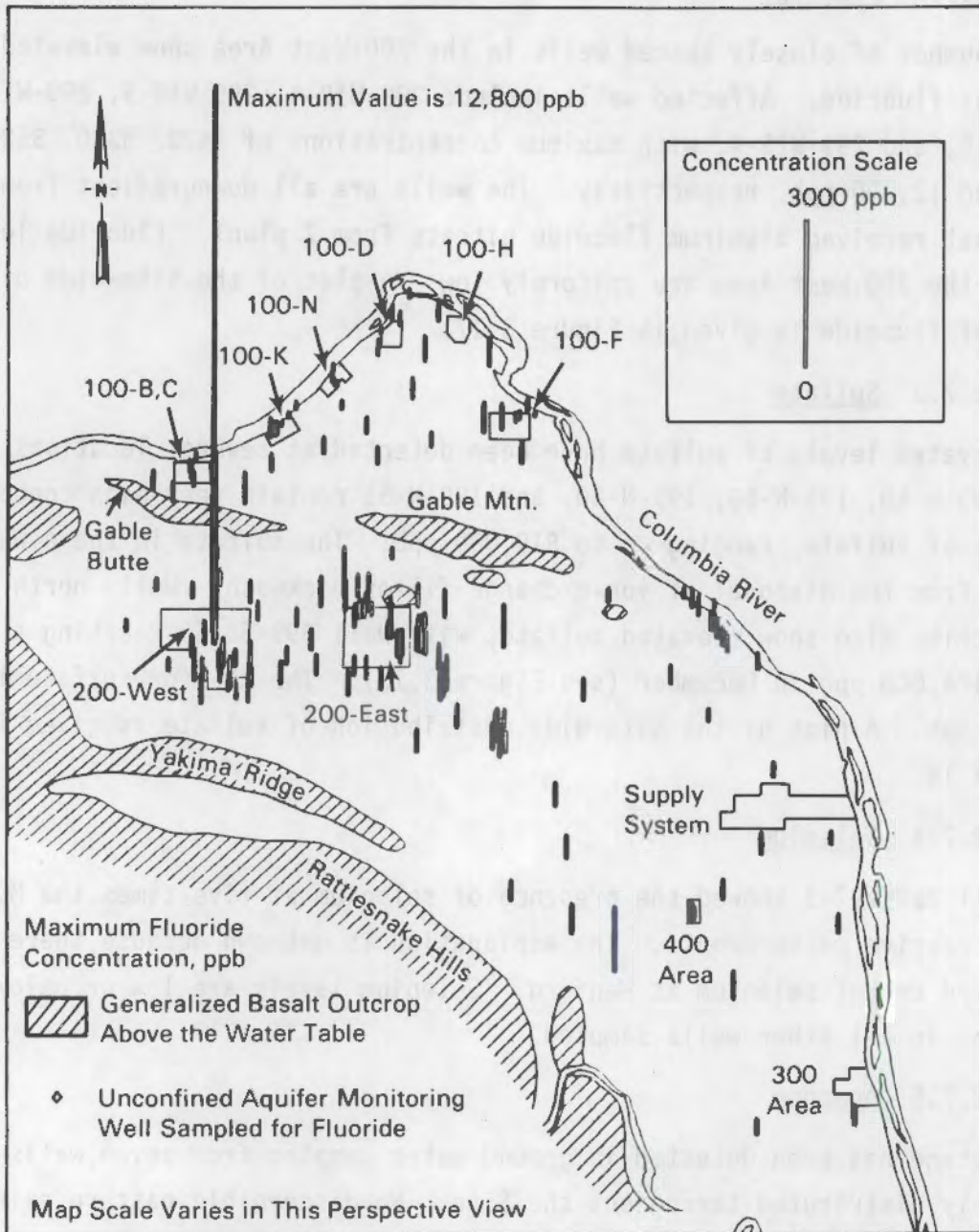
Well 299-W27-1 showed the presence of selenium at five times the MCL on four successive measurements. The explanation is unknown because there is no documented use of selenium at Hanford. Selenium levels are low or below detection in all other wells sampled.

#### 3.2.7.5 Acetone

Acetone has been detected in ground-water samples from seven wells that are widely distributed throughout the Site. No discernible pattern exists, and the observations have not recurred on resampling of these wells. This observation is probably a result of sampling or laboratory contamination.

#### 3.2.7.6 Chlorinated Hydrocarbons

Methyl ethyl ketone was detected in one well (299-E13-5) at a maximum level of 50 ppb. The significance of the observation is unknown; however, it



**FIGURE 3.17.** Maximum Fluoride Concentrations in Unconfined Aquifer Wells in 1987

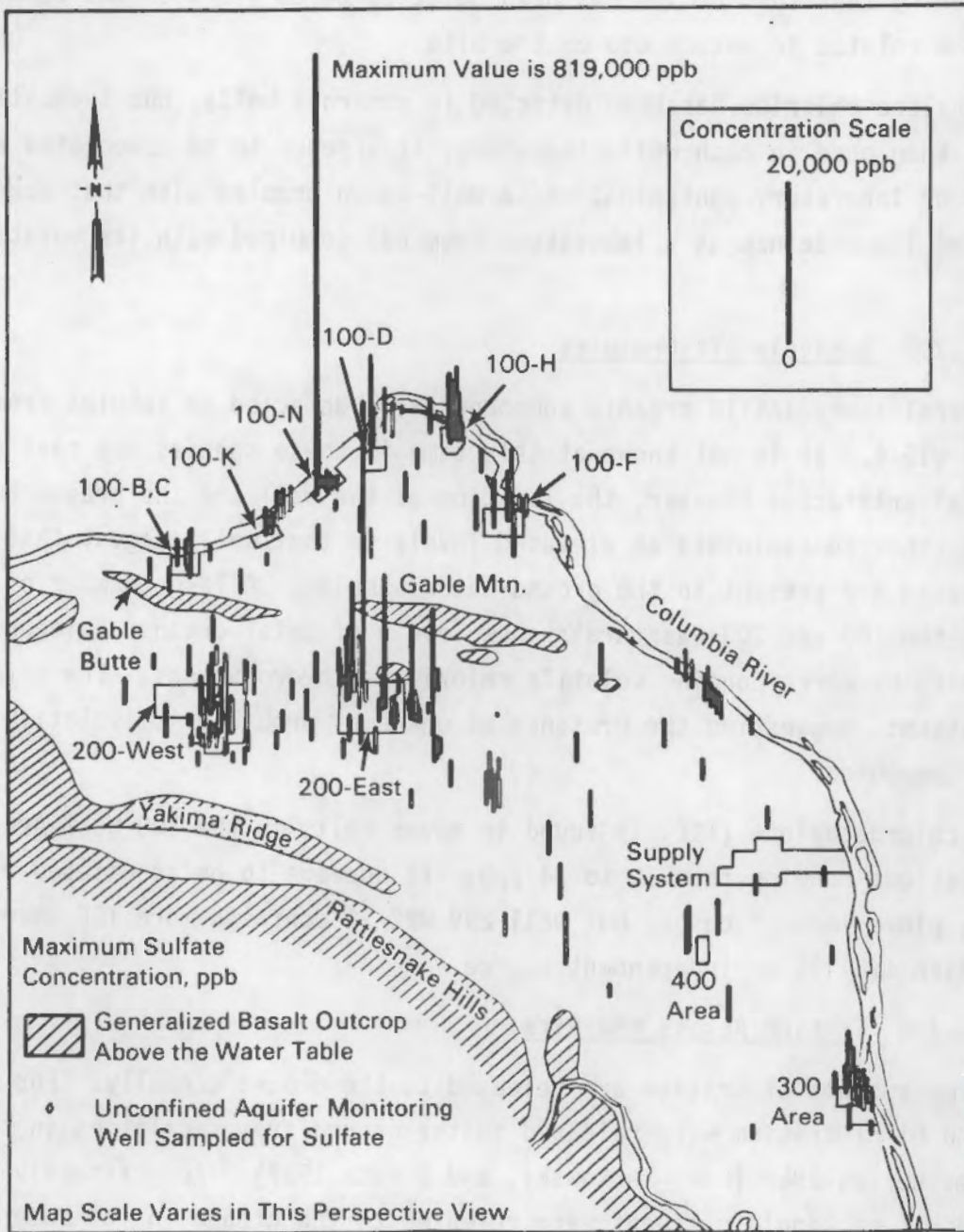


FIGURE 3.18. Maximum Sulfate Concentrations in Unconfined Aquifer Wells in 1987



is noteworthy that the species has been detected three times in the same well and may be related to hexone use on the Site.

Methylene chloride has been detected in numerous wells, but typically not more than once in each well; therefore, it appears to be associated with sampling or laboratory contamination, a well-known problem with that species because of its wide use as a laboratory chemical combined with its volatile nature.

#### 3.2.7.7 Semivolatile Organics

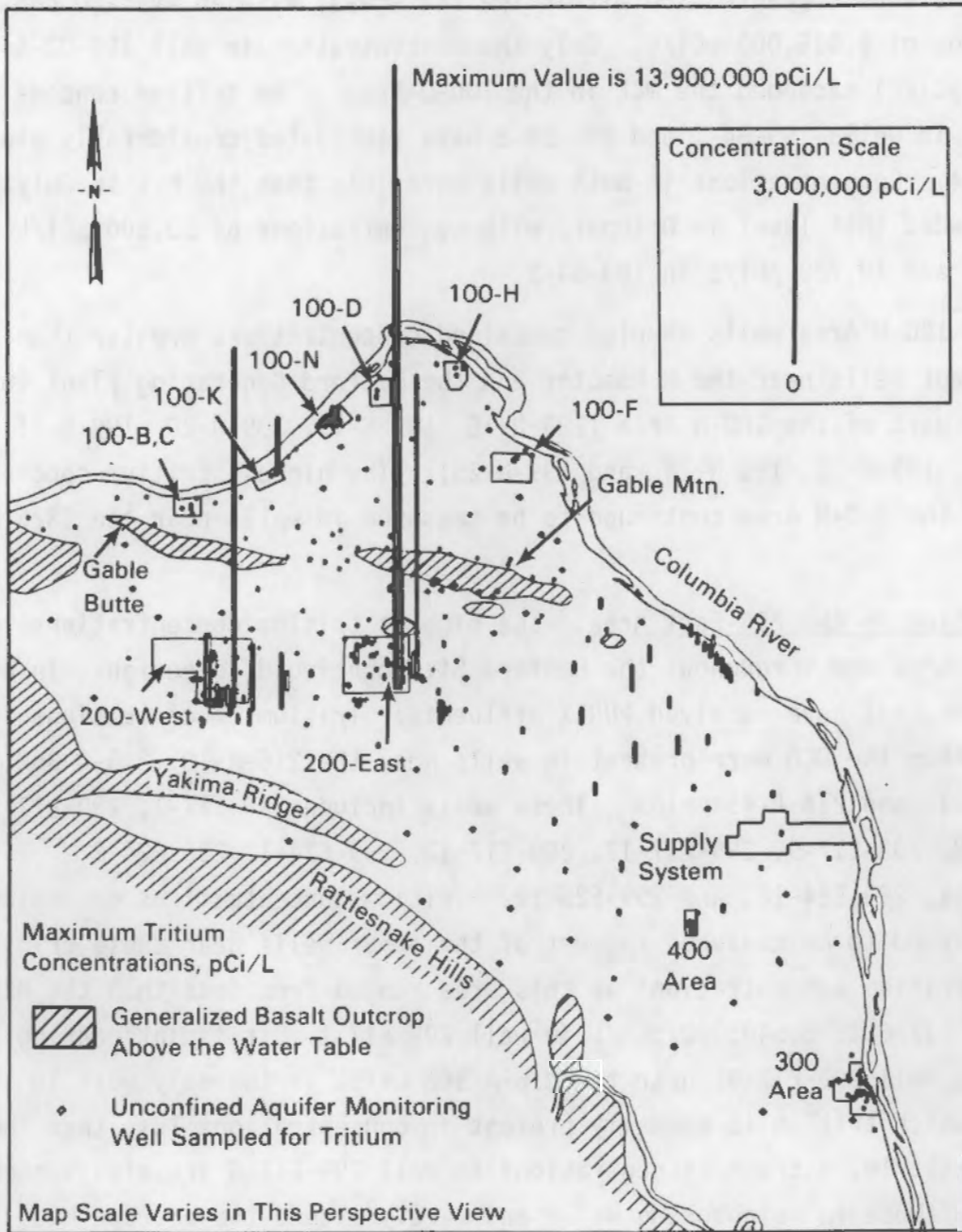
Several semivolatile organic compounds were detected in samples from well 299-W15-4. It is not known at this time if these species are real or analytical artifacts; however, the location of the well and the presence of numerous other contaminants at elevated levels in that well suggest that contaminants are present in the ground-water samples. A large number of wells in the 100 and 200-East Areas show levels of total organic halogens not accompanied by corresponding volatile chlorinated hydrocarbons. The effect is persistent, suggesting the presence of unknown, probably semivolatile organic compounds.

Trichloroethylene (TCE) is found in seven wells in the 200-West Area at concentrations ranging from 10 to 34 ppb. It appears to be associated with the  $\text{CCl}_4$  plume in most cases, but well 299-W22-20 contains more TCE than  $\text{CCl}_4$ , which implies an independent source.

#### 3.2.7.8 Tritium Across the Site

Large amounts of tritium are released to the ground annually. For example, 7040 Ci of tritium were released to the ground from facilities in the 200 Areas during 1986 (Law, Serkowski, and Schatz 1987). Approximately 25 billion L of liquid effluent were released to the ground in the same area during 1986 (PNL 1987).

Figure 3.19 shows the maximum tritium concentrations found at each well sampled during 1987. Tritium concentrations greater than the 20,000-pCi/L MCL were detected in portions of the 100-D, 100-K, 100-N, 200-East, 200-West, 400, and 600 Areas. Concentrations greater than the 2,000,000-pCi/L DCG were detected only in wells in the 200-East Area and in one well in the 200-West Area.



**FIGURE 3.19.** Maximum Tritium Concentrations in Unconfined Aquifer Wells in 1987



Tritium in the 100 Areas. Well 199-K-30 continued to contain the highest tritium concentration within the 100 Areas, with an average concentration of 1,015,000 pCi/L. Only the concentration in well 199-D2-5 (31,450 pCi/L) exceeded the MCL in the 100-D Area. The tritium concentrations in wells 199-B4-1 and 199-B4-3 have fluctuated considerably since late 1984. Concentrations in both wells were less than the MCL in July, but had exceeded that level in October, with concentrations of 38,600 pCi/L in 199-B4-1 and 40,700 pCi/L in 199-B4-3.

All 100-N Area wells sampled contained concentrations greater than the MCL, except wells near the N Reactor and the Hanford Generating Plant in the northern part of the 100-N Area (199-N-16, 199-N-19, 199-N-20, 199-N-21, 199-N-22, 199-N-23, 199-N-24, and 199-N-25). The highest tritium concentrations in the 100-N Area continued to be measured in wells near the 1325-N LWDF.

Tritium in the 200-East Area. The highest tritium concentrations in the 200-East Area and throughout the Hanford Site continued to be found in wells near cribs that have received PUREX effluents. Tritium concentrations greater than the DCG were present in wells near the 216-A-10, 216-A-36B, 216-A-37-1, and 216-A-45 cribs. These wells include 299-E17-1, 299-E17-5, 299-E17-8, 299-E17-9, 299-E17-12, 299-E17-13, 299-E24-1, 299-E24-2, 299-E24-11, 299-E24-12, and 299-E25-19. Tritium concentrations exceeding the MCL continued to be measured in most of the other wells near these cribs. Average tritium concentrations in this area ranged from less than the MCL in well 299-E17-6 to 8,540,000 pCi/L in well 299-E17-1. It is interesting to note that well 299-E17-6, near the 216-A-36B crib, is the only well in this area in which tritium is normally present in concentrations less than the MCL. Similarly, nitrate concentrations in well 299-E17-6 are always much less than those in neighboring wells and rarely exceed the nitrate MCL. The cause of this discrepancy is unclear, but may be because the well has a perforated interval approximately 150 ft below the water table. Water samples from this well are a composite of water taken from the entire perforated interval, while neighboring wells sample from the top of the aquifer where contaminant concentrations are suspected of being higher. Monitoring is



planned for several depths within the aquifer at 216-A-36B, which may show more clearly the distribution of contamination within the aquifer.

Tritium continued to be detected in concentrations greater than the MCL in wells 299-E25-11 and 299-E25-22, located near the LWDF east of the PUREX plant. As with the distribution of nitrate near PUREX, insufficient data are available for conclusions to be drawn regarding changes in the distribution of tritium resulting from changes in PUREX waste disposal.

Other wells in the 200-East Area that contained tritium in concentrations greater than the MCL include wells 299-E24-7, 299-E26-4, 299-E28-12, and 299-E28-18. Average concentrations in these wells ranged from 37,450 pCi/L at well 299-E26-4 to 108,400 pCi/L at well 299-E28-12.

The movement of the widespread tritium plume that extends from the southeastern portion of the 200-East Area to the Columbia River was consistent with the patterns noted earlier (PNL 1987; Evans, Mitchell, and Dennison 1988). Separate tritium pulses associated with the two episodes of PUREX operations can be distinguished in the tritium plume. The 200,000-2,000,000-pCi/L lobe east of the 200-East Area near the Columbia River is a result of discharges to ground water during the operation of PUREX from 1956 to 1972. Following an 11-year shutdown, operation of PUREX began again in 1983. Elevated tritium concentrations have been measured in several wells (e.g., wells 699-S3-43 and 699-S3-42), as shown in Figure 3.20. Concentrations downgradient from the 200-East Area represent the initial stages of the formation of a new pulse of tritium moving away from PUREX waste disposal facilities.

The general direction of movement of the eastern portion of the plume continues to be east-southeast toward the Columbia River. The migration of the plume to the south is indicated by increased tritium concentrations in wells 699-S3-E12, 699-S11-E12A, and 699-S19-E13. The confirmation of the western portion of the plume appears to closely match previous predictions of the direction of contaminant movement from the 200-East Area (Freshley and Graham 1988). Movement to the south may be enhanced by the spreading ground-water mound beneath B Pond. This mound is spreading as a result of increased discharge of process cooling water to B Pond since 1984.

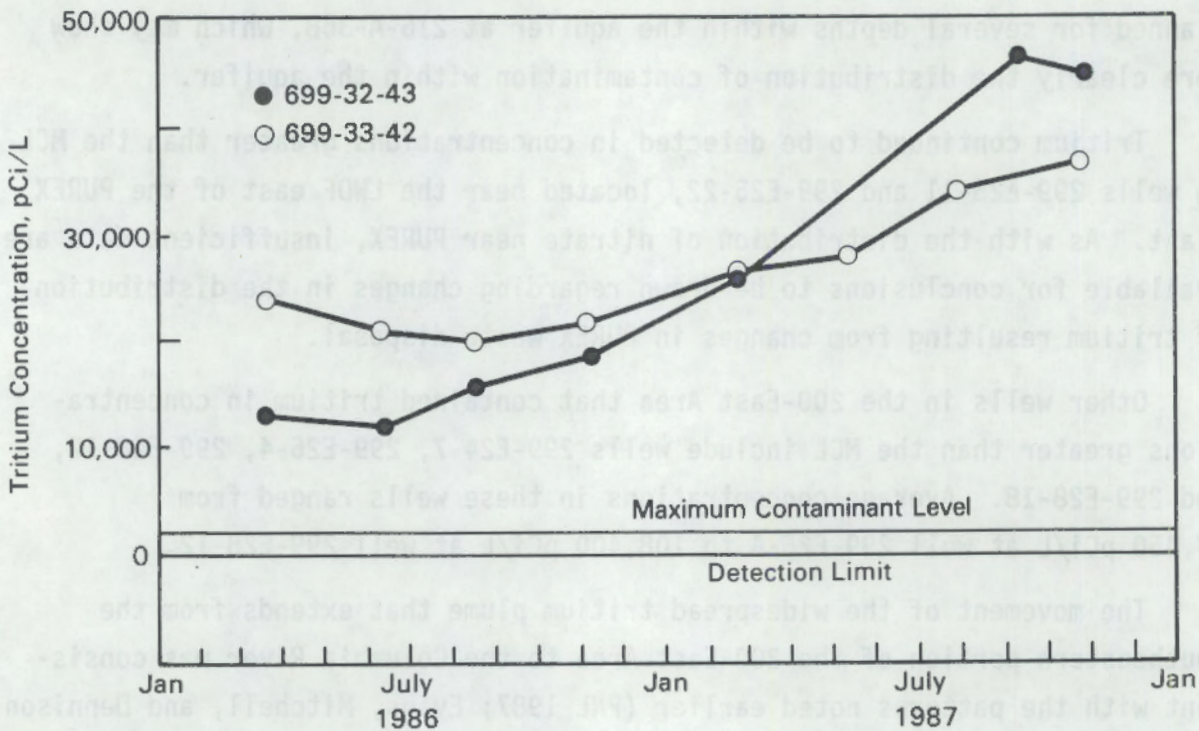


FIGURE 3.20. Tritium Concentrations in Ground Water Sampled from Wells 699-32-43 and 699-33-42

Tritium in the 200-West Area. The movement of tritium plumes in the 200-West Area was also consistent with previous observations. The plume that extends from near the reduction-oxidation (REDOX) plant in the southern part of the 200-West Area continued to move slowly to the east and north. Well 299-W22-9 continued to be the only well in the 200-West Area with tritium concentrations greater than the DCG. The concentration in that well in September was 7,730,000 pCi/L, which is unchanged from the previous quarter.

Tritium concentrations in nearby wells in the 200-West Area (299-W19-2, 299-W21-1, 299-W22-7, 299-W22-12, 299-W22-20, and 200-W22-26) and in the adjacent 600 Area (699-32-70B and 699-32-72) remained above the MCL and relatively constant throughout 1987. Movement of a pulse of high tritium concentrations within the plume that extends north and east from REDOX was indicated by changes in the tritium concentrations in several 600 Area wells in the plume (Figures 3.21 and 3.22). Concentrations in well 699-35-70 continued to decrease, indicating that the pulse has moved beyond this well. Concentrations in wells 699-35-66 and 699-38-65, near the center of the



plume, remained relatively constant, while concentrations in well 699-40-62 continued to increase as the plume moved northward (Figure 3.22). The northernmost extent of the plume appeared to be in the vicinity of well 699-40-62. Well 699-44-64, north of well 699-40-62, continued to contain concentrations of tritium near the detection limit (300 pCi/L).

Tritium concentrations greater than the MCL continued to be measured in several wells within the plume in the northern part of the 200-West Area. Concentrations in wells 299-W14-2, 299-W14-6, and 299-W15-4 continued to decrease, presumably because of movement of the plume to the north. The concentration in well 299-W14-6 fell below the MCL in December. In general, tritium concentrations in wells within the plume between Gable Butte and Gable Mountain remained unchanged.

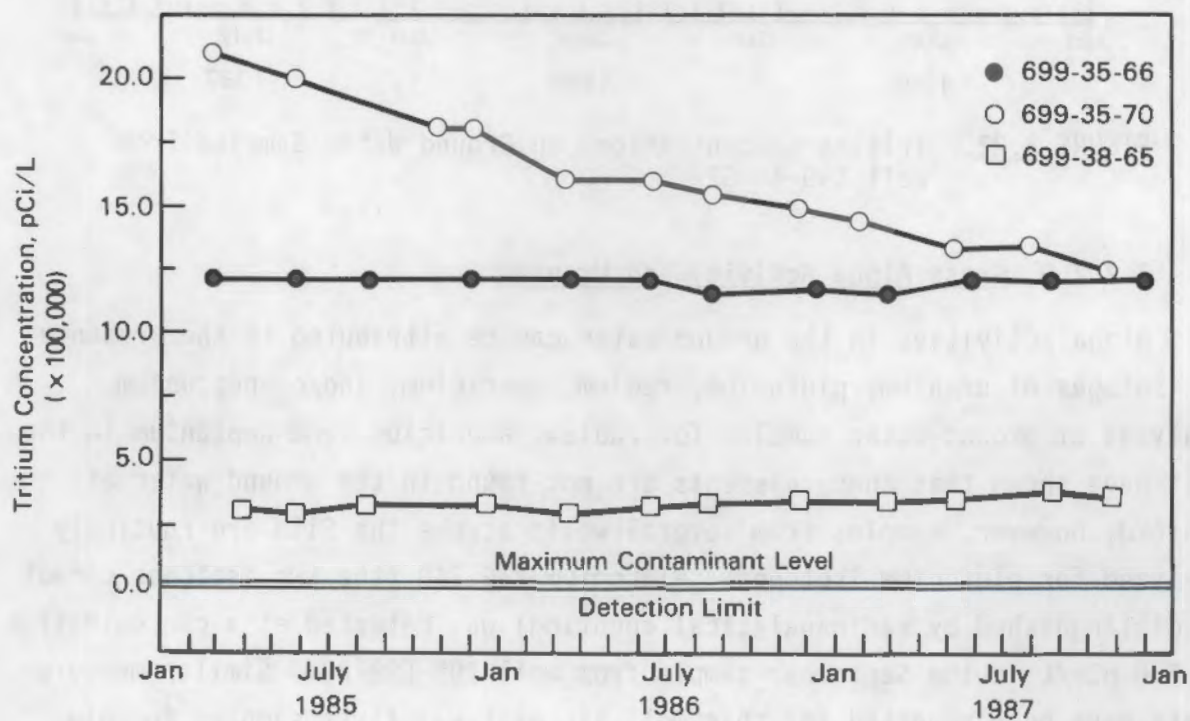


FIGURE 3.21. Tritium Concentrations in Ground Water Sampled from Wells 699-35-66, 699-35-70, and 699-38-65

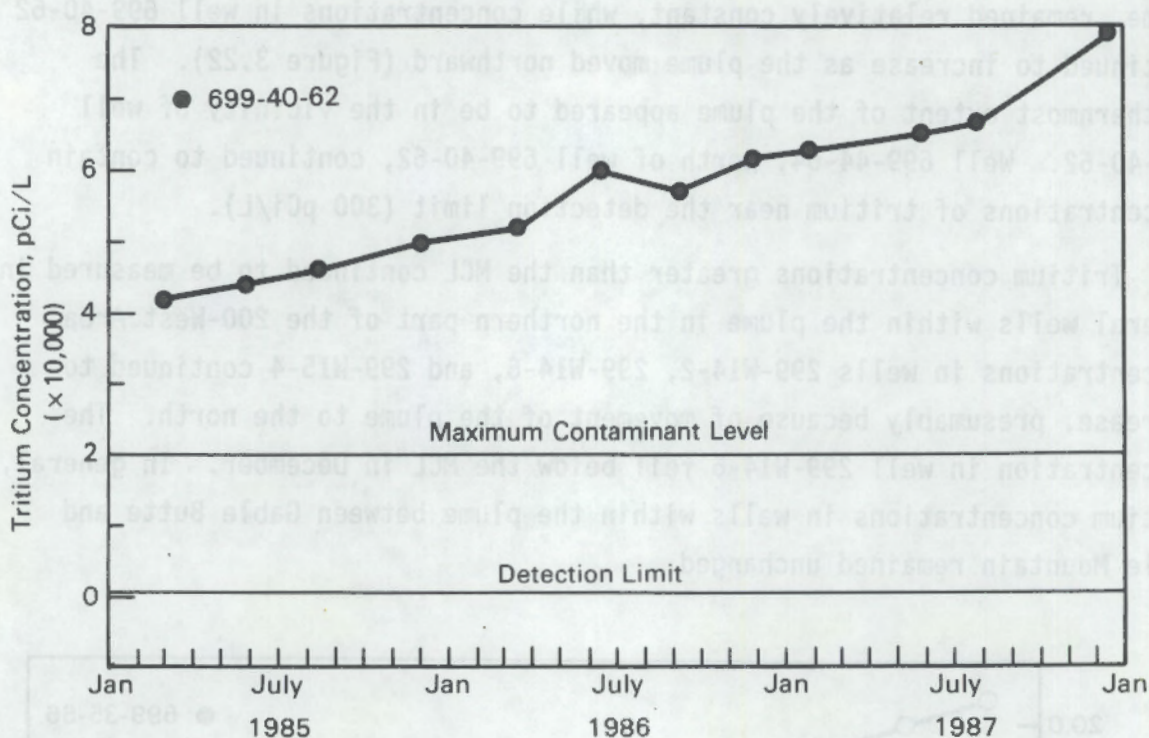


FIGURE 3.22. Tritium Concentrations in Ground Water Sampled from Well 699-40-62

### 3.2.7.9 Gross Alpha Activity and Uranium

Alpha activities in the ground water can be attributed to the presence of isotopes of uranium, plutonium, radium, americium, and/or neptunium. Analyses of ground-water samples for radium, americium, and neptunium in the past have shown that these elements are not found in the ground water at Hanford; however, samples from several wells across the Site are routinely analyzed for plutonium isotopes. Plutonium-239,240 (the two isotopes cannot be distinguished by radioanalytical counting) was detected at a concentration of 8.0 pCi/L in the September sample from well 299-E28-23. Similar measurements have been reported for this well since it was first sampled for plutonium analyses in April 1986. Well 299-E28-23 is located near the 216-B-5 reverse well, which received an estimated 244 Ci of plutonium-239 and 65.7 Ci of plutonium-240 (both values decayed through April 1, 1986) during its operation from 1945 to 1947 (DOE 1986). Wells in the 100-F, 100-H, 200, and 300 Areas in which the gross alpha concentration exceeded the MCL (15 pCi/L, excluding uranium) all contained uranium in concentrations that would account



for the gross alpha activities detected. Several wells in the 100-N Area also contained gross alpha activities exceeding the MCL, but no analyses for alpha-emitting radionuclides were performed on samples from these wells.

Wells 299-E28-18, 299-E28-21, and 299-E28-23 continued to be the only 200-East Area wells with gross alpha activities greater than the MCL. Activities in these wells continued to decrease, as did the uranium concentrations. Gross alpha activities in wells 299-E28-18 and 299-E28-21, located near the 216-B-62 crib, averaged 47 and 41 pCi/L, respectively. The average uranium concentrations in those wells were 68 and 55 ppb<sup>(a)</sup>, respectively. The average gross alpha activity and uranium concentration in well 299-E28-23 were 18 pCi/L and 35 ppb, respectively.

The highest gross alpha activities measured on the Site continued to be in wells adjacent to the inactive 216-U-1 and 216-U-2 cribs. Activities in wells 299-W19-3, 299-W19-9, 299-W19-11, 299-W19-15, 299-W19-16, and 299-W19-18 continued to decrease (Figure 3.23). All these wells contained uranium concentrations that would account for the gross alpha activities detected (Figure 3.24). Wells 299-W19-19, 299-W19-20, 299-W19-23, 299-W19-24, 299-W19-25, and 299-W19-26, located east of U Plant near the inactive 216-U-17 crib, contained gross alpha activities and uranium concentrations relatively unchanged from the previous quarter. Other 200-West Area wells that contained gross alpha activities greater than the MCL were wells 299-W18-15, 299-W19-2, 299-W22-21, 299-W23-4, 299-W23-9, and 299-W23-10. All of these wells also had uranium concentrations that would account for the gross alpha activity. The gross alpha activity and the uranium concentration in well 299-W19-2 have both steadily increased since mid-1986 (Figures 3.25 and 3.26).

Figure 3.27 illustrates the Site-wide distribution of uranium, showing the large concentrations found in the 200-West Area near the 216-U-1 and 216-U-2 cribs.

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(a) The conversion from ppb uranium to pCi/L uranium is approximately 0.699 for natural uranium. Other conversion factors may be calculated where the isotopic composition has been measured [e.g., Law, Serkowski, and Schatz (1987) report a conversion factor of 0.679 for their data].



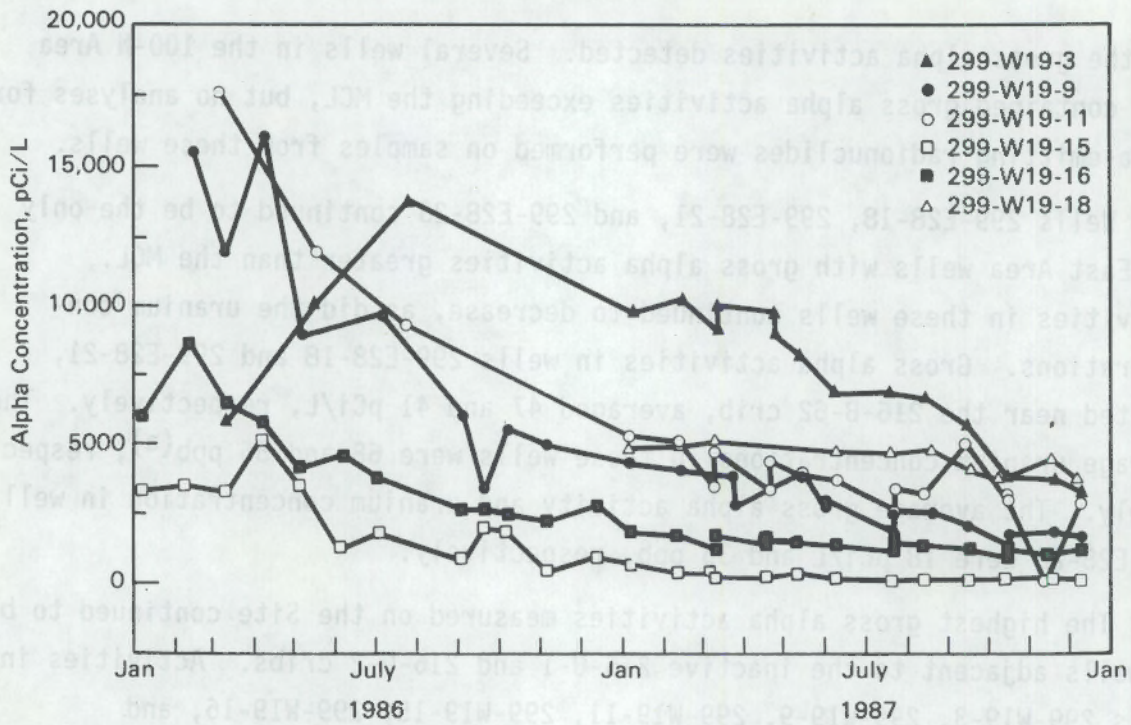


FIGURE 3.23. Gross Alpha Concentrations in Wells Near the 216-U-1 and 216-U-2 Cribs

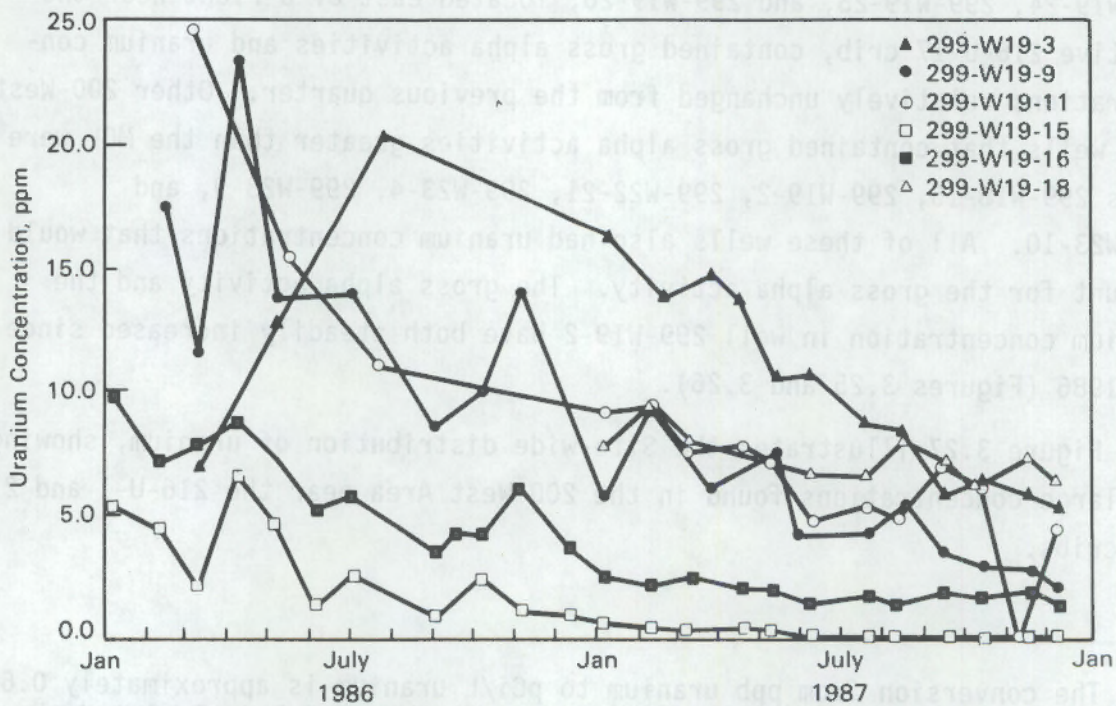


FIGURE 3.24. Uranium Concentrations in Wells Near the 216-U-1 and 216-U-2 Cribs



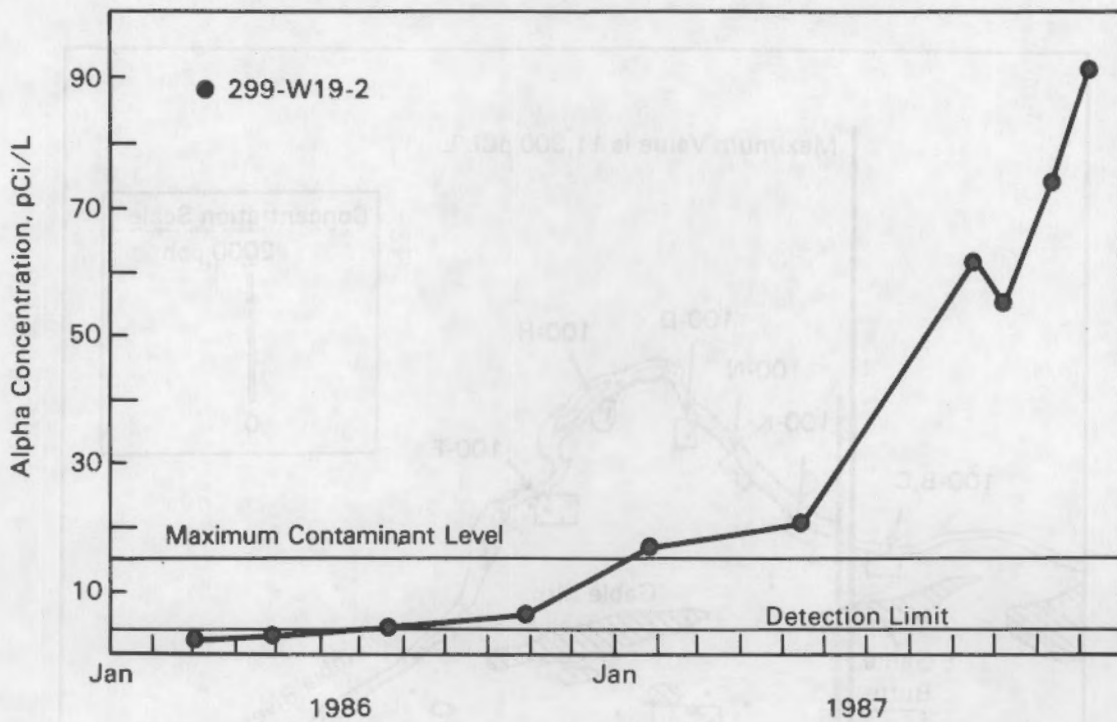


FIGURE 3.25. Gross Alpha Concentrations in Well 299-W19-2

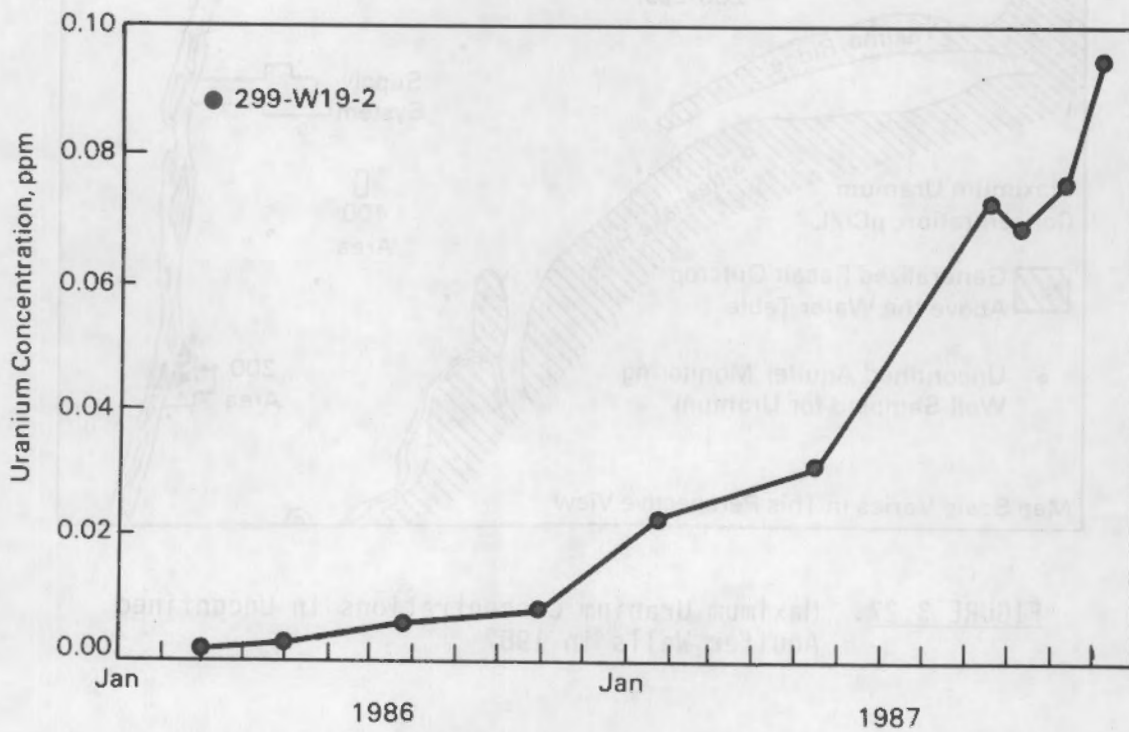
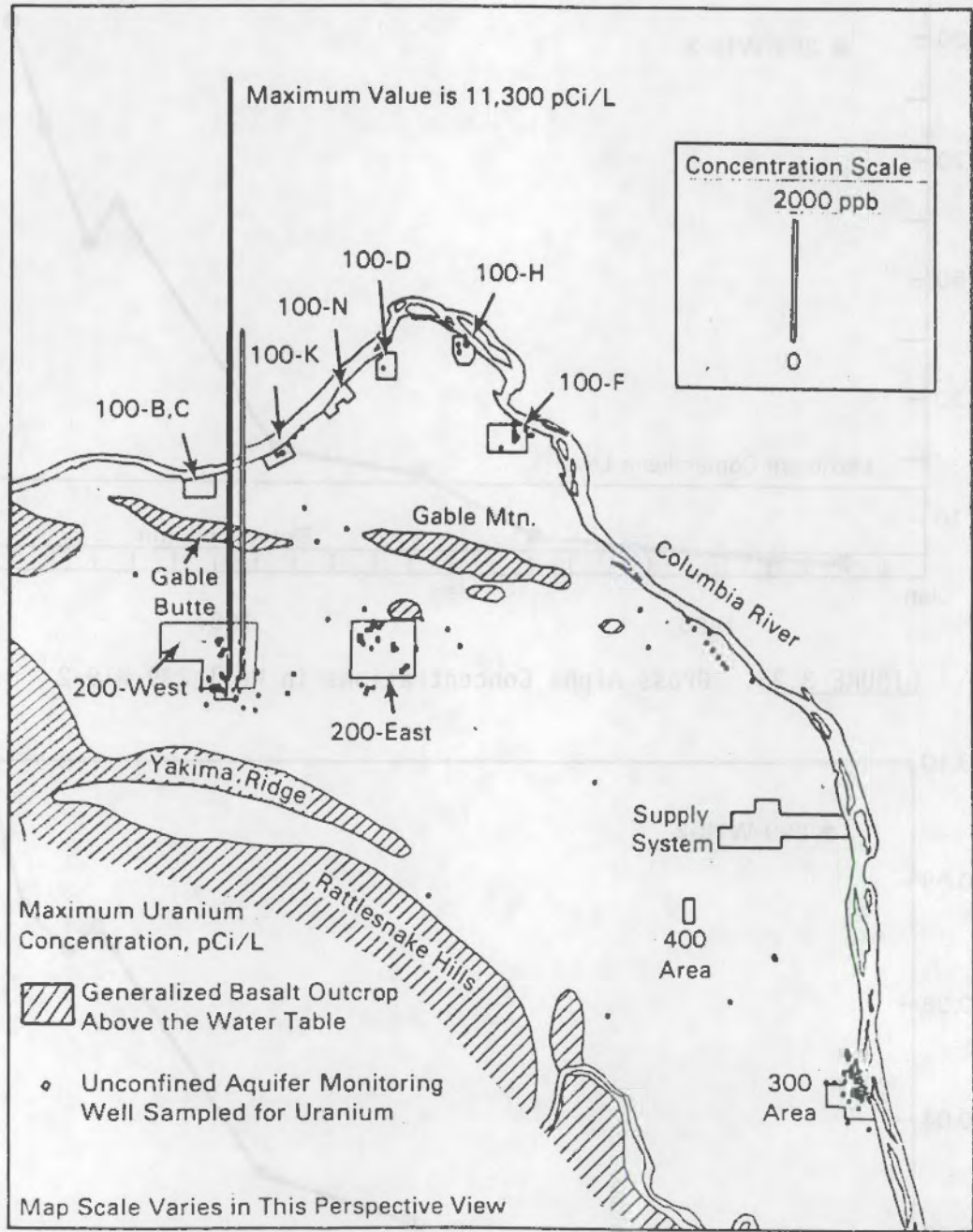


FIGURE 3.26. Uranium Concentrations in Well 299-W19-2



**FIGURE 3.27.** Maximum Uranium Concentrations in Unconfined Aquifer Wells in 1987



### 3.2.7.10 Gross Beta

Gross beta concentrations greater than the 50-pCi/L MCL were detected in wells from all operational areas, except the 100-K and 400 Areas. Although gross beta concentrations greater than the MCL were widespread, the highest concentrations were found in wells near several waste disposal facilities in the 100-N, 200-East, and 200-West Areas and in the 600 Area adjacent to the 200 Areas. Gross beta activity can commonly be attributed to the presence of one or more of the following radionuclides in the ground water: carbon-14, cobalt-60, nickel-63, strontium-90, technetium-99, iodine-129, cesium-137, and uranium daughters. It is believed that in most cases throughout the Site, except for the 100-N Area and areas with high uranium concentrations, technetium-99 accounts for much of the gross beta activity<sup>(a)</sup>.

Gross Beta in the 100 Areas. Gross beta activities exceeding the MCL continued to be measured in several wells in the 100-N Area. The highest activities were found in wells 199-N-2 (1130 pCi/L), 199-N-3 (4380 pCi/L), 199-N-14 (2580 pCi/L), 199-N-29 (1465 pCi/L), and 199-N-39 (1770 pCi/L). All of these wells contained elevated concentrations of cobalt-60 and strontium-90. In addition, carbon-14 was detected in wells 199-N-14 and 199-N-29; well 199-N-29 also contained antimoney-125. Analyses of carbon-14 and antimony-125 were not performed on samples from wells 199-N-2, 199-N-3, and 199-N-39.

Gross Beta in the 200-East Area. Wells in the 200-East Area that contained high gross beta activities are related to past disposal of material to the inactive 216-B-5 reverse well and the inactive BY, 216-A-10, and 216-A-36B cribs. Wells 299-E28-7, 299-E28-24, 299-E28-25, and 299-E28-23 near the 216-B-5 crib had average gross beta activities of 216, 307, 6975, and 10,370 pCi/L, respectively. The gross beta activity in well 299-E28-23 continued to be the highest measured on the Site. These wells all contained elevated strontium-90 concentrations, and wells 299-E28-23 and 299-E28-25 also contained cesium-137. The 216-B-5 reverse well received an estimated

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(a) The detection efficiency of technetium-99 by the gross beta method is poor. Calibration experiments recently carried out by UST showed that samples dominated by technetium-99 activity contain 5 to 10 times the technetium-99 activity reported by the gross beta method.



27.9 Ci strontium-90 and 31.8 Ci cesium-137 (both values decayed through April 1, 1986) during its operation from 1945 to 1947 (DOE 1986). The BY cribs, located near the northern boundary of the 200-East Area, received U Plant waste produced from operations that scavenged uranium from bismuth phosphate waste stored in single-shell tanks. Wells 299-E33-1, 299-E33-3, 299-E33-5, 299-E33-7, 299-E33-8, 299-E33-20, 299-E33-24, and 299-E33-26 showed average gross beta activities greater than the MCL, ranging from 60 pCi/L at well 299-E33-8 to 795 pCi/L at well 299-E33-7. All these wells, with the exception of 299-E33-20, contained high concentrations of that radionuclide. The presence or absence of technetium-99 in well 299-E33-20 cannot be ruled out because samples from the well were not analyzed for that radionuclide. Wells 299-E33-1, 299-E33-3, 299-E33-5, and 299-E33-7 also contained cobalt-60. Three 600 Area wells, located immediately north of the BY cribs, continued to contain gross beta activities greater than the MCL. Activities in wells 699-49-55A, 699-49-57, and 699-50-53 averaged 1243, 267, and 2323 pCi/L, respectively. All three wells contained detectable quantities of cobalt-60. Wells 299-E17-2, 299-E17-5, and 299-E24-12, near the 216-A-10 and 216-A-36B cribs, contained gross beta activities greater than the MCL. Activities in wells 299-E17-5 and 299-E24-12 were increasing and peaked in October, with activities of 590 and 270 pCi/L, respectively. The activities decreased to 143 pCi/L in well 299-E17-5 and 50 pCi/L in well 299-E24-12. The fluctuation in the gross beta activity in well 299-E17-5 corresponded to changes in the concentrations of cobalt-60 and ruthenium-106, while the changes in gross beta in well 299-E24-12 were related to changes in ruthenium-106 concentrations.

Gross Beta in the 200-West Area. The highest gross beta activities in the 200-West Area were in wells near U Plant (i.e., wells with the 299-W19 prefix). Gross beta activities in wells near the 216-U-1 and 216-U-2 cribs remained above the MCL, but continued to decrease. Technetium-99 was detected in the wells surrounding these cribs. In addition, wells 299-W19-3, 299-W19-11, 299-W19-15, and 299-W19-16 contained carbon-14 and iodine-129. Well 299-W19-2, near the inactive 216-U-8 crib, had an average gross beta activity of 109 pCi/L and a technetium-99 activity of 581 pCi/L in September. Gross beta activities greater than the MCL continued to be measured in wells 299-W19-19, 299-W19-20, 299-W19-23, 299-W19-24, 299-W19-25, and 299-W19-26.



Activities were equal to or slightly higher than those measured previously and ranged from 230 to 3090 pCi/L. Wells 299-W19-23, 299-W19-24, and 299-W19-25 contained high concentrations of technetium-99. Other 200-West Area wells that contained elevated gross beta activities included wells 299-W14-2, 299-W15-3, 299-W22-10, 299-W22-21, 299-W23-2, and 299-W23-7, with respective average activities of 79, 81, 74, 192, 1157, and 808 pCi/L. Technetium-99 was detected in wells 299-W22-21 and 299-W23-7, but was not analyzed for in the other wells. Well 299-W22-10 had a high strontium-90 concentration, and well 299-W22-21 contained detectable quantities of carbon-14 and iodine-129.

Gross Beta in Other Areas. Gross beta activity remained above the MCL in several wells near Gable Mountain Pond (wells 699-53-47A, 699-53-47B, and 699-53-48B), ranging from 96 to 652 pCi/L. These wells contained relatively high concentrations of strontium-90 which would account for the gross beta activity measured. Gross beta activities in wells 699-54-48 and 699-54-49 remained slightly above the MCL; these wells also contained strontium-90.

#### 3.2.7.11 Carbon-14

Samples from several wells in the 100-N, 200-East, 200-West, and 600 Areas were analyzed for carbon-14. None of the wells contained carbon-14 activities greater than the 2000-pCi/L MCL. Wells 199-N-14, 199-N-29, and 199-N-33 had carbon-14 activities of 232, 41, and 49 pCi/L, respectively. Wells 299-E17-5 and 299-E17-8, located near PUREX, contained respective carbon-14 activities of 24 and 33 pCi/L. Wells 299-W19-3, 299-W19-5, 299-W19-11, 299-W19-16, 299-W22-20, 299-W22-21, 699-32-43, 699-35-70, 699-37-43, and 699-38-70 also contained detectable carbon-14 in concentrations ranging from 4 to 9 pCi/L.

#### 3.2.7.12 Cobalt-60

All cobalt-60 results were at levels that cannot be accurately detected except in the 100-N Area and in isolated portions of the 200-East Area and adjacent 600 Area. Figure 3.28 summarizes the Site-wide cobalt-60 distribution in 1987. Concentrations of cobalt-60 were greater than the 100-pCi/L MCL in several wells near the 1325-N LWDF in the 100-N Area; none exceeded the 5000-pCi/L DCG. Concentrations in most of these wells continued to

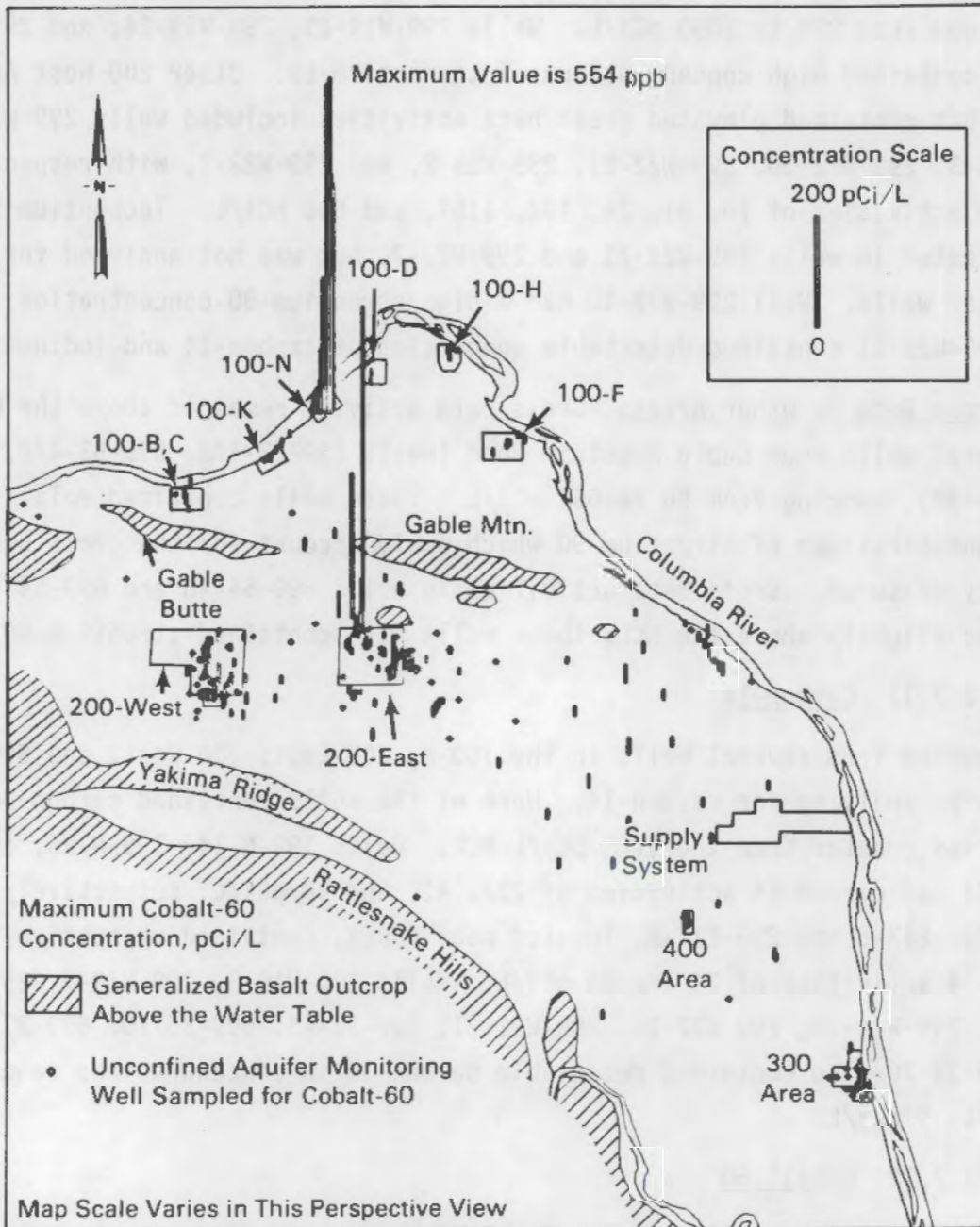


FIGURE 3.28. Maximum Cobalt-60 Concentrations in Unconfined Aquifer Wells in 1987



fluctuate and ranged from an average of 181 pCi/L in well 199-N-39 to 389 pCi/L in well 199-N-37. The 200-East Area wells 299-E33-3, 299-E33-5, and 299-E33-7, located near the BY cribs, contained respective concentrations of 24, 31, and 77 pCi/L in August. The concentrations in all three wells decreased, with those in well 299-E33-7 containing 40 pCi/L in October and wells 299-E33-3 and 299-E33-5 falling to levels that cannot be accurately measured. Three wells in the 600 Area immediately north of the BY cribs continued to contain detectable concentrations of cobalt-60 (see related discussion in the section entitled "Cyanide Concentration in and North of the 200-East Area"). Well 699-49-57 had an average concentration of 27 pCi/L, unchanged from previous measurements in 1987. Concentrations in wells 699-49-55A and 699-50-53 remained above the MCL. The concentration in well 699-50-53 increased from 275 pCi/L (previous reporting period) to 487 pCi/L in December, while the concentration in well 699-49-55A remained relatively unchanged, with an average of 190 pCi/L.

#### 3.2.7.13 Nickel-63

Samples from wells 199-N-14, 199-N-29, and 199-N-33 in the 100-N Area and well 699-38-70 in the 600 Area adjacent to the 200-West Area were analyzed for nickel-63. All results for these wells were below the levels that can be accurately measured.

#### 3.2.7.14 Strontium-90

Concentrations of strontium-90 were above the 8-pCi/L MCL in wells in the 100-B, 100-N, 200-East, 200-West, 300, and 600 Areas. The Site-wide distribution of strontium-90 is illustrated in Figure 3.29.

Strontium-90 in the 100 Areas. Concentrations in well 199-H4-4 in the 100-H Area had risen above the MCL during the previous reporting period but fell below that level between July and December 1987. Concentrations in wells 199-B3-1, 199-B4-1, and 199-B4-4 in the 100-B Area averaged 55, 27, and 33 pCi/L, respectively. Strontium-90 analyses have not been performed on samples from these wells since 1982, and the concentrations were relatively unchanged from those measured at that time. Concentrations above the MCL were also present in 18 100-N Area wells. Most of these wells were located

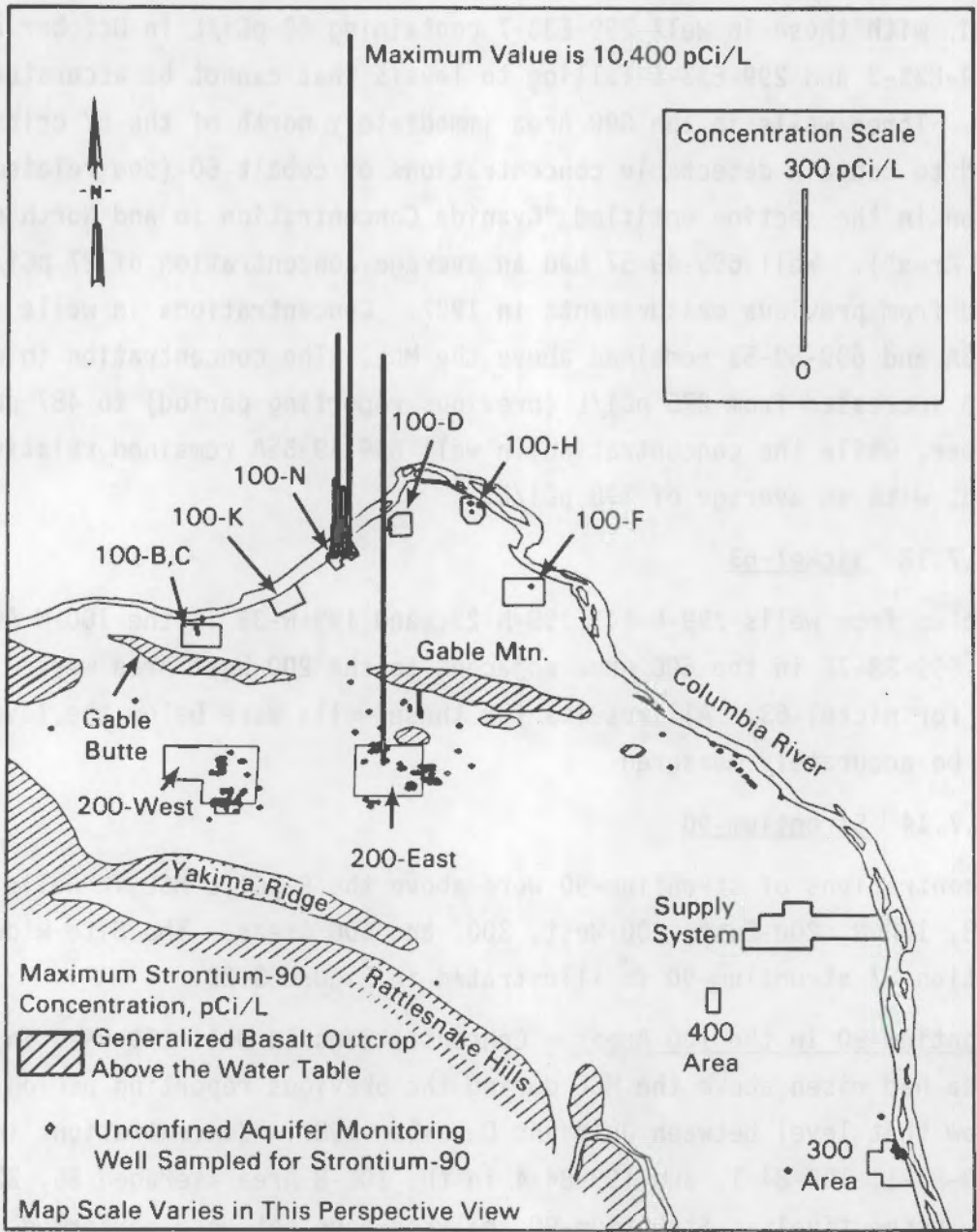


FIGURE 3.29. Maximum Strontium-90 Concentrations in Unconfined Aquifer Wells in 1987



near the inactive 1301-N LWDF and the active 1325-N LWDF. Four wells (199-N-18, 199-N-19, 199-N-20, and 199-N-21) located in the northern part of the 100-N Area also contained concentrations greater than the MCL. Several of the wells near the 1301-N and 1325-N LWDFs contained concentrations greater than the 1000-pCi/L DCG. These wells (and their concentrations) included 199-N-2 (1270 pCi/L), 199-N-3 (1405 pCi/L), 199-N-14 (1170 pCi/L), and 199-N-45 (3160 pCi/L).

Strontium-90 in the 200-East Area. Three wells in the 200-East Area contained strontium-90 in concentrations greater than the MCL. Concentrations in wells 299-E28-7 and 299-E28-23 averaged 108 and 4855 pCi/L, respectively. These concentrations were similar to those measured previously and can be attributed to wastes discharged to the 216-B-5 reverse well during 1945 to 1947 (Smith 1980). Strontium-90 concentrations in well 299-E24-1 have risen since early 1985 and reached 16 pCi/L in September 1987.

Strontium-90 in the 200-West Area. Wells 299-W19-2 and 299-W22-10 continued to be the only 200-West Area wells with strontium-90 concentrations greater than the MCL, with average concentrations of 14 and 30 pCi/L, respectively. Strontium-90 in concentrations above the MCL has been detected for several years in five 600 Area wells near Gable Mountain Pond (699-53-47A, 699-53-47B, 699-53-48B, 699-54-48, and 699-54-49). The concentrations in wells 699-54-48 and 699-54-59 fluctuated but generally continued to increase, while the concentrations in the other wells have remained relatively constant.

#### 3.2.7.15 Technetium-99

An extensive program to analyze ground-water samples for technetium-99 was initiated in May 1987. Results for samples taken in May and June were not included in the monitoring report for that quarter (Evans, Mitchell, and Dennison 1987). The following discussion summarizes all results obtained in 1987. A plot of the measured technetium-99 distribution in 1987 is shown in Figure 3.30. Technetium-99 concentrations above the 900-pCi/L MCL were detected in wells in the 100-H, 200-East, 200-West, and portions of the 600 Area adjacent to the 200 Areas. None of the wells had concentrations exceeding the 100,000-pCi/L DCG. Wells 199-H4-3 and 199-H4-4 in the 100-H Area had average technetium-99 concentrations of 3093 and 1170 pCi/L, respectively.

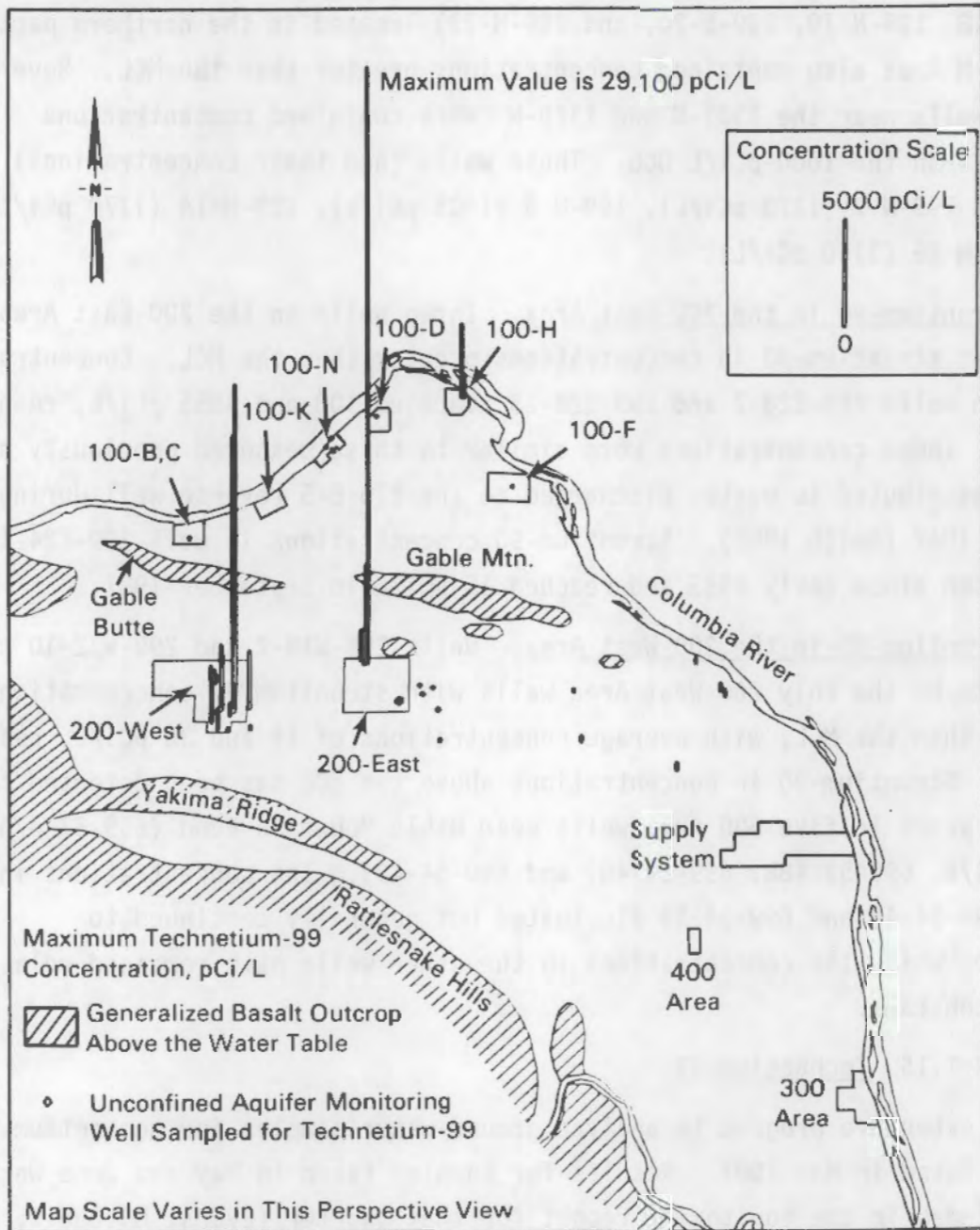


FIGURE 3.30. Maximum Technetium-99 Concentrations in Unconfined Aquifer Wells in 1987



Technetium-99 in the 200-West Area. The highest concentrations of technetium-99 appear to be related to waste-disposal facilities that currently receive or have in the past received waste produced by U Plant and UO<sub>3</sub> Plant operations. Several wells located near LWDFs adjacent to the plants contained high concentrations of technetium-99. It is unclear if one large technetium-99 plume exists in this area or if several smaller plumes are emanating from individual facilities. Wells located near the inactive 216-U-1 and 216-U-2 cribs that contained technetium-99 concentrations greater than the MCL include (with average concentration) 299-W19-3 (2356 pCi/L), 299-W19-9 (1670 pCi/L), 299-W19-11 (2810 pCi/L), 299-W19-16 (1410 pCi/L), and 299-W19-18 (8160 pCi/L). Wells 299-W19-20, 299-W19-23, 299-W19-24, and 299-W19-25, located near the 216-U-17 crib that has never been used, contained respective average concentrations of 11,600, 1330, 13,350, and 9440 pCi/L. In the 600 Area directly east of U Plant, well 699-38-70 had an average concentration of 2270 pCi/L. Other 200-West Area wells that had concentrations greater than the MCL were wells 299-W22-21 and 299-W23-7, with concentrations of 906 and 2480 pCi/L, respectively.

Technetium-99 in the 200-East Area. Several wells in the 200-East Area also contained technetium-99 in concentrations greater than the MCL. These wells are located near the inactive BY cribs. These cribs received waste produced from U Plant operations that scavenged uranium from bismuth phosphate waste stored in single-shell tanks. Wells 299-E33-1, 299-E33-3, 299-E33-5, 299-E33-7, 299-E33-24, and 299-E33-26 had concentrations of 960, 1400, 1980, 4700, 1580, and 1420 pCi/L, respectively. Well 699-50-53, located in the 600 Area north of the BY cribs, had a maximum technetium-99 concentration of 29,100 pCi/L.

Technetium-99 in Other Areas. A number of other wells across the Site contained detectable concentrations of technetium-99. Of particular interest was the presence of technetium-99 in several wells located within the tritium plume that extends from the 200-East Area to the Columbia River. Wells 699-27-8, 699-32-43, 699-40-1, 699-41-1, 699-41-23, and 699-46-4 had concentrations of 319, 66, 278, 308, 69, and 192 pCi/L, respectively.



#### 3.2.7.16 Ruthenium-106

Comparison of analytical results for ruthenium-106 to the 30 pCi/L MCL is difficult because the analytical technique used can only accurately measure concentrations 4 to 5 times higher than the MCL. Although concentrations of ruthenium-106 above the MCL were reported in wells in all operational areas, the concentrations in all wells, except 299-E17-5 and 299-E24-12, have decreased to levels that cannot be accurately detected. Concentrations in wells 299-E17-5 and 299-E24-12, near PUREX in the 200-East Area, exceeded the MCL, with peak concentrations in September of 557 and 420 pCi/L, respectively. Concentrations in both wells subsequently decreased to below the detection limit. The DCG for ruthenium-106 is 6000 pCi/L.

#### 3.2.7.17 Antimony-125

Several wells near the 1325-N LWDF in the 100-N Area continued to contain detectable quantities of antimony-125, but none had concentrations exceeding the 3000-pCi/L MCL. Concentrations ranged from 99 pCi/L in well 199-N-33 to 224 pCi/L in well 199-N-36.

#### 3.2.7.18 Iodine-129

The presence of iodine-129 in ground water is significant, primarily because of its relatively long half-life (16 million years), its potential for accumulation in the environment as a result of long-term releases from nuclear fuel reprocessing facilities (Soldat 1976), and its relatively low MCL (1 pCi/L). On the Hanford Site, the main contributor of iodine-129 to the ground water has been liquid discharges to cribs in the 200 Areas. Samples from wells in the 100-N, 200-East, 200-West, and 600 Areas were analyzed for iodine-129. Results are shown in Table 3.3, as well as in Appendix B. Samples from wells 199-N-14, 199-N-29, and 199-N-33 in the 100-N Area all contained iodine-129 concentrations at least 50 times less than the MCL. Several wells near PUREX in the 200-East Area showed concentrations greater than the MCL but less than the 500-pCi/L DCG. Seven wells located within the tritium plume, which extends from the 200-East Area east to the Columbia River, were analyzed for iodine-129, and five of these wells (699-27-8, 699-32-22, 699-32-43, 699-37-43, and 699-41-23) contained concentrations greater than the MCL. North of the 200-East Area, wells



699-49-55A, 699-49-57, and 699-50-53 contained concentrations at least five times less than the MCL. Wells 299-W19-3, 299-W19-9, 299-W19-11, 299-W19-15, and 299-W19-16, located near the 216-U-1 and 216-U-2 cribs in the 200-West Area, had iodine-129 concentrations greater than the MCL, ranging from 9 to 33 pCi/L. Well 299-W22-21, located near REDOX in the 200-West Area, contained an iodine-129 concentration of 3 pCi/L. In the 600 Area adjacent to the 200-West Area, the iodine-129 concentration in well 699-35-70 was 47 pCi/L. A sample from well 699-47-50, which is screened in the confined aquifer north of the 200-East Area, was analyzed for iodine-129 and contained 0.006 pCi/L.

In addition to the data obtained from samples analyzed during 1987, available data on iodine-129 in Hanford confined aquifer ground water were assembled and published by an intercontractor working group. The document (IWG 1987) discussed background levels of iodine-129 in ground water and identified locations where iodine-129 was observed at concentrations exceeding background. Analysis of ground water that was thought to have not been contaminated by iodine-129 generated by the nuclear industry and nuclear weapons testing since 1944 has indicated that background concentrations of iodine-129 are near the detection limit ( $1 \times 10^{-6}$  pCi/L) for available techniques.

The working group identified two boreholes (DB-7 and DB-15) where iodine-129 was observed to be above background levels in confined aquifer ground water. Iodine-129 was observed in samples collected from the Mabton Interbed at DB-7. The Mabton Interbed is a sedimentary layer between the lowermost basalt flow in the Saddle Mountains Formation and the uppermost basalt flow in the Wanapum Formation. The average iodine-129 concentration for 12 samples collected at DB-7 between 1976 and 1985 was  $3.15 \times 10^{-4}$  pCi/L. The presence of iodine-129 at this location was attributed to a source other than waste disposal on the Hanford Site. A possible source is drilling fluid contamination of the borehole.

The presence of iodine-129 in ground-water samples from basalt flowtops (zones of relatively higher transmissivity near the top of basalt flows) and sedimentary interbeds in the Saddle Mountains and Wanapum Formations at borehole DB-15 was attributed to contamination from 100 Areas waste disposal

**TABLE 3.3.** Iodine-129 Data for Samples Collected July 1 Through September 30, 1987

| <u>Well Number</u> | <u>Collection Date</u> | <u><sup>129</sup>I, pCi/L</u> | <u>Counting Error</u> |
|--------------------|------------------------|-------------------------------|-----------------------|
| 199-N-14(a)        | 9/10/87                | 0.0077                        | 0.0007                |
| 199-N-29(a)        | 9/10/87                | 0.0062                        | 0.0005                |
| 199-N-33(a)        | 9/10/87                | 0.021                         | 0.002                 |
| 299-E17-1          | 8/10/87                | 47.3                          | 5.5                   |
| 299-E17-5          | 8/10/87                | 25.0                          | 3.2                   |
| 299-E17-6          | 8/10/87                | 1.9                           | 1.1                   |
| 299-E17-8          | 9/02/87                | 29.2                          | 3.5                   |
| 299-E17-9          | 8/10/87                | 27.0                          | 3.4                   |
| 299-E24-1          | 7/13/87                | 44.6                          | 5.1                   |
| 299-E25-25         | 7/01/87                | 1.1                           | 0.4                   |
| 299-W19-11         | 8/20/87                | 31.6                          | 3.8                   |
| 299-W19-15         | 8/18/87                | 9.9                           | 1.8                   |
| 299-W19-16         | 8/18/87                | 9.3                           | 1.8                   |
| 299-W19-3          | 8/20/87                | 32.9                          | 3.9                   |
| 299-W19-9          | 8/20/87                | 21.4                          | 2.8                   |
| 299-W22-20         | 8/18/87                | 1.6                           | 1.0                   |
| 299-W22-21         | 9/17/87                | 2.7                           | 1.1                   |
| 699-27-8(a)        | 8/20/87                | 1.8                           | 0.2                   |
| 699-32-22(a)       | 9/04/87                | 3.9                           | 0.3                   |
| 699-32-43(a)       | 9/04/87                | 5.5                           | 0.4                   |
| 699-35-70          | 7/09/87                | 47.2                          | 5.4                   |
| 699-37-43(a)       | 9/10/87                | 10.7                          | 0.9                   |
| 699-38-70          | 8/25/87                | 0.95                          | 0.98                  |
| 699-41-1(a)        | 8/07/87                | 0.17                          | 0.015                 |
| 699-41-23(a)       | 8/20/87                | 3.8                           | 0.3                   |
| 699-46-4(a)        | 7/31/87                | 0.15                          | 0.012                 |
| 699-47-50(a)       | 8/04/87                | 0.0061                        | 0.0004                |
| 699-49-55A(a)      | 9/04/87                | 0.048                         | 0.004                 |
| 699-49-57(a)       | 9/04/87                | 0.20                          | 0.02                  |
| 699-50-53(a)       | 9/04/87                | 0.044                         | 0.0038                |
| 699-50-53(a)       | 9/04/87                | 0.042                         | 0.0035                |

(a) Analyzed by neutron activation. All others analyzed by low-energy photo detector.

facilities. An iodine-129 concentration of  $2.7 \times 10^{-2}$  pCi/L was observed in ground water sampled from the Rattlesnake Ridge Interbed. Concentrations of  $10^{-3}$  to  $10^{-5}$  pCi/L iodine-129 were observed in samples collected from eight horizons from the lower Saddle Mountains and Wanapum Formations. The report further concluded that the presence of iodine-129 in the confined ground waters was a result of transport from disposal sites along natural pathways



and not a result of DB-15 drilling activities. All iodine-129 concentrations reported for confined aquifer ground waters were below the MCL of 1 pCi/L.

Ground water from Wanapum horizons sampled in DC-18 also contained iodine-129 in concentrations above background. Early, Hall, and Johnson (1988) reported iodine-129 concentrations of approximately  $10^{-2}$  pCi/L for four flowtops within the Wanapum basalt at DC-18. They concluded that iodine-129 (and tritium and carbon-14) is present in the ground water at concentrations above background as a result of downward migration of unconfined ground water containing contamination from 200 Areas disposal facilities.

#### 3.2.7.19 Cesium-137

Concentrations of cesium-137 were below levels that can be accurately measured in all wells, except 299-E28-23 and 299-E28-25. The average concentration in well 299-E28-23 was 1595 pCi/L, which was down from an average concentration of 2490 pCi/L during the last quarter. The MCL for cesium-137 is 200 pCi/L, and the DCG is 3000 pCi/L. The concentration in well 299-E28-25 remained unchanged with an average of 34 pCi/L. Both wells are near the 216-B-5 reverse well. A concentration of 69 pCi/L was reported for a sample collected in August from well 299-W19-20. This measurement appears to be an analytical artifact in that cesium-137 had not previously been detected in well 299-W19-20 or any adjacent wells and was not detected in subsequent sampling.

and not a result of DR-18 drilling activities. All iodine-129 concentrations reported for confined aquifer ground waters were below the MCL of 1 pCi/L.

Ground water from Wannam horizons sampled in DC-18 also contained iodine-129 in concentrations above background. Early, Hally and Johnson (1988) reported iodine-129 concentrations of approximately  $10^{-2}$  pCi/L for four flowlines within the Wannam basin at DC-18. They concluded that iodine-129 (and tritium and carbon-14) is present in the ground water at concentrations above background as a result of downward migration of unconfined ground water containing contamination from 500 Areas disposal facilities.

### 3.2.3.3 Cesium-137

Concentrations of cesium-137 were below levels that can be accurately measured in all wells, except 599-E28-E3 and 599-E28-E5. The average concentration in well 599-E28-E3 was 1595 pCi/L, which was down from an average concentration of 2490 pCi/L during the last quarter. The MCL for cesium-137 is 500 pCi/L and the DCC is 3000 pCi/L. The concentration in well 599-E28-E5 remained unchanged with an average of 34 pCi/L. Both wells are near the 210-B-2 reverse well. A concentration of 89 pCi/L was reported for a sample collected in August from well 599-W19-20. This treatment appears to be an analytical artifact in that cesium-137 had not previously been detected in well 599-W19-20 or any adjacent wells and was not detected in subsequent sampling.



#### 4.0 GEOCHEMICAL EVALUATIONS

Use of the MINTEQ geochemical reaction code (Felmy, Girvin, and Jenne 1984) was initiated during April 1987 to identify the chemical reactions that might be affecting the concentrations of dissolved hazardous chemicals and radionuclides in ground water from the unconfined aquifer on the Hanford Site. This section summarizes the geochemical code used for these calculations and the results of the geochemical modeling studies completed during the second half of 1987. This information was presented at the Fall Meeting of the American Geophysical Union in San Francisco (Hinman, Krupka, and Criscenti 1987).

The MINTEQ code was used to calculate the aqueous speciation (i.e., complexation), charge imbalance, and possible mineral solubility controls for the compositions of water samples taken from the unconfined aquifer during the first three quarters of 1987. Information regarding the types and degree of complexation of trace metals by dissolved ligands (e.g., hydroxyl, carbonate, and sulfate) and the identification of possible solubility controls for these constituents will aid in predicting the transport and attenuation of trace metals in the Hanford Site ground-water system. Calculation of the charge imbalance for the speciated water compositions also provides an additional check of the completeness and quality of the inorganic chemical analyses and of the accuracy of data entry into the computerized ground-water data base for the Hanford Site ground-water monitoring project.

##### 4.1 MINTEQ CODE

The MINTEQ geochemical code (Felmy et al. 1984; Felmy, Girvin, and Jenne 1984; Peterson et al. 1987) was developed at PNL by combining the best features of the extant geochemical codes MINEQL (Westall, Zachary, and Morel 1976) and WATEQ3 (Ball, Jenne, and Cantrell 1981). The MINTEQ code may be used to calculate aqueous speciation, solid phase saturation states, precipitation/dissolution reactions, and adsorption at equilibrium conditions. The general mathematical approaches used in MINTEQ to solve these chemical equilibria problems are described in Felmy, Girvin, and Jenne (1984).



The speciation submodel first computes the activities for the uncomplexed and complexed aqueous species from an initial water composition and from the equilibrium constants ( $\log K_r^{\circ},_{298}$ ) and enthalpies of reaction ( $\Delta H_r^{\circ},_{298}$ ) at 298 K (25.00°C) contained in the thermodynamic data base associated with the geochemical code. The thermodynamic data base for the MINTEQ code was taken from the earlier codes WATEQ (Truesdell and Jones 1974), WATEQ2 (Ball, Nordstrom, and Jenne 1980), and WATEQ3 (Ball, Jenne, and Cantrell 1981), as well as the data base supplements completed at PNL (e.g., Krupka and Jenne 1982; Peterson et al. 1987). The charge imbalance is then determined from the summation of the charge equivalents for the cations and anions calculated to be present for the speciated water composition.

After aqueous speciation for a given water is determined, solubility equilibrium hypotheses are tested. Ion activity products are calculated from the activities for the species, using the stoichiometries of the solubility reactions for minerals in the thermodynamic data base of the geochemical code. These activity products are then compared to the equilibrium solubility products ( $\log K_r,T$ ) stored in the MINTEQ data base and corrected for temperature and ionic strength to determine if the water is at equilibrium [ $\log (IAP/K_r,T) = 0$ ], oversaturated [ $\log (IAP/K_r,T) > 0$ ], or undersaturated [ $\log (IAP/K_r,T) < 0$ ] with respect to the solid phases in the data base. These calculated saturation indexes [ $\log (IAP/K_r,T)$ ] make it possible to ascertain permissible equilibrium solubility controls for that water.

## 4.2 RESULTS

Ground waters from the unconfined aquifer are generally low-ionic strength, high-alkalinity solutions at near neutral pH. Figure 4.1 shows the distribution of pH values for ground-water samples taken from the unconfined aquifer in the 100, 200, and 600 Areas during the second quarter of 1987 and for comparison from Hanford Site spring and surface waters reported in 1979 through 1987 by Early, Spice, and Mitchell (1986). Figure 4.2 shows the range of alkalinity values for ground-water samples taken from the 100, 200, and 600 Areas and springs and surface waters. The ground water in the unconfined aquifer consists of the major constituents listed in Table 4.1, with or without minor amounts of constituents listed in Table 4.2 and several



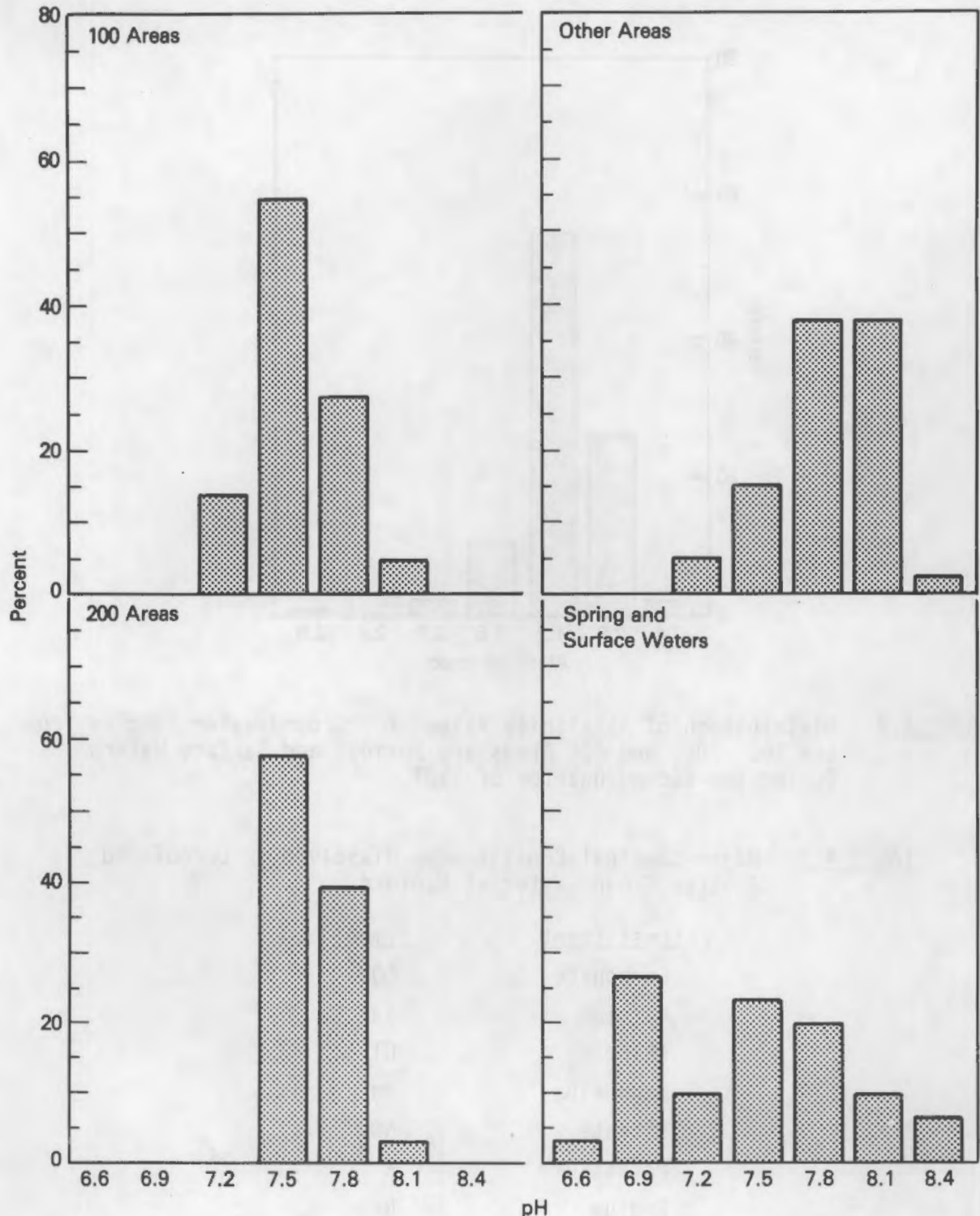
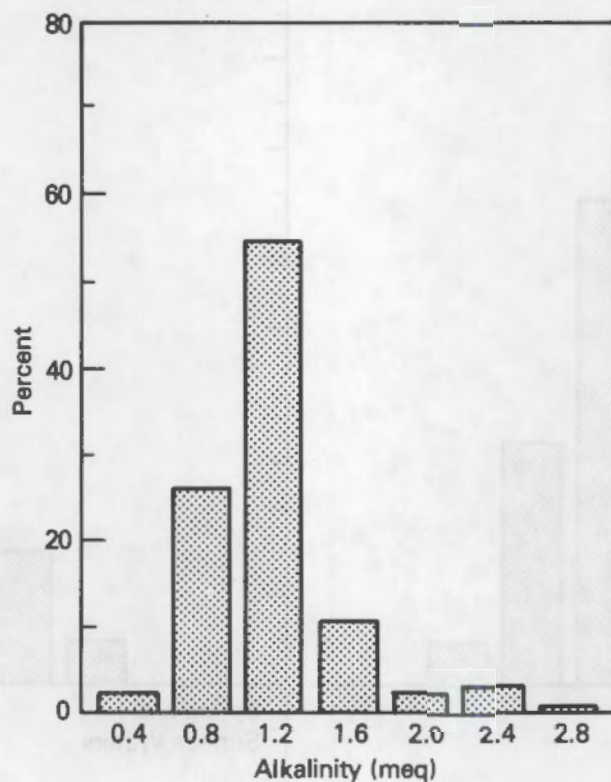


FIGURE 4.1. Distribution of pH Values for Ground-Water Samples from the Individual 100, 200, and 600 Areas During the Second Quarter of 1987 and from Spring and Surface Waters Reported by Early, Spice, and Mitchell (1986)



**FIGURE 4.2.** Distribution of Alkalinity Values for Ground-Water Samples from the 100, 200, and 600 Areas and Springs and Surface Waters During the Second Quarter of 1987

**TABLE 4.1.** Major Chemical Constituents Dissolved in Unconfined Aquifer Ground Water at Hanford

| <u>Constituent</u> | <u>Symbol</u>      |
|--------------------|--------------------|
| Carbonate          | $\text{CO}_3^{2-}$ |
| Calcium            | Ca                 |
| Chloride           | $\text{Cl}^-$      |
| Magnesium          | Mg                 |
| Nitrate            | $\text{NO}_3^-$    |
| Potassium          | K                  |
| Sodium             | Na                 |
| Sulfate            | $\text{SO}_4^{2-}$ |



**TABLE 4.2. Chemical Constituents That May Be Present in Minor Amounts in Unconfined Aquifer Ground Water at Hanford**

| <u>Constituent</u> | <u>Symbol</u>                 |
|--------------------|-------------------------------|
| Aluminum           | Al                            |
| Ammonium           | NH <sub>4</sub> <sup>+</sup>  |
| Antimony           | Sb                            |
| Arsenic            | As                            |
| Barium             | Ba                            |
| Cadmium            | Cd                            |
| Chromium (species) | Cr(VI)                        |
| Chromium (total)   | Cr                            |
| Copper             | Cu                            |
| Fluoride           | F                             |
| Iron               | Fe                            |
| Lead               | Pb                            |
| Manganese          | Mn                            |
| Mercury            | Hg                            |
| Nickel             | Ni                            |
| Phosphate          | PO <sub>4</sub> <sup>-3</sup> |
| Selenium           | Se                            |
| Strontium          | Sr                            |
| Vanadium           | V                             |
| Zinc               | Zn                            |

Note: Radionuclides and organic chemicals present in ground water at Hanford are not listed.

organic compounds. The MINTEQ results indicate that the general completeness and quality of the inorganic chemical analyses for the ground-water samples from the first three quarters of 1987 are adequate based on the low charge imbalances. If the calculated charge imbalance exceeded 15% for any of the modeled water compositions, the water sample was identified for reexamination.

#### 4.2.1 Aqueous Speciation

The MINTEQ results indicate that many cation constituents are present mainly as dissolved carbonate complexes (e.g., cadmium, mercury, lead, uranium, and zinc) at the alkalinity and pH values measured for the ground water from the unconfined aquifer. The importance of carbonate complexation is shown in Figure 4.3 for the distribution of aqueous zinc complexes calculated for a water sample from well 199-K-19 taken during the second quarter of 1987. This distribution of aqueous complexes, however, is dependent on the pH and alkalinity of the ground water. For example, Figure 4.4 shows the distribution of  $Zn^{2+}$ ,  $Zn-CO_3$ , and  $Zn-OH$  complexes as a function of increasing pH and decreasing alkalinity for water samples taken during the second quarter of 1987 from five wells in the 100 Areas. Other dissolved constituents (e.g., arsenic, chromium, and vanadium) are present mainly as hydrated aqueous species and are not affected by complexation with dissolved carbonate, based on the available thermodynamic and ground-water data. The

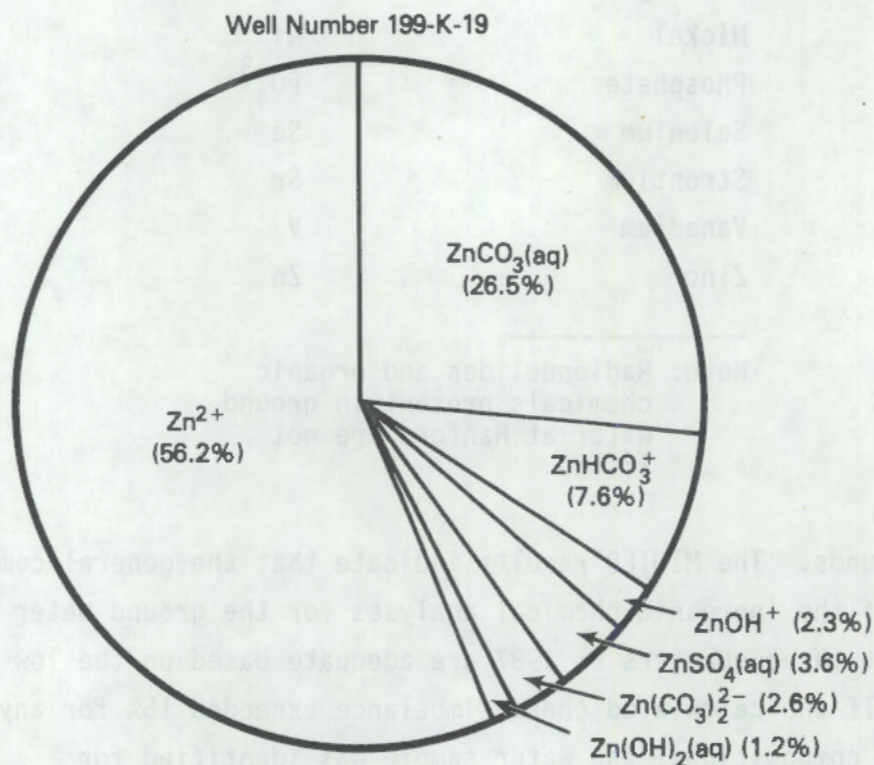


FIGURE 4.3. Distribution of Aqueous Zn Complexes Calculated for a Water Sample from the Second Quarter of 1987 from Well 199-K-19



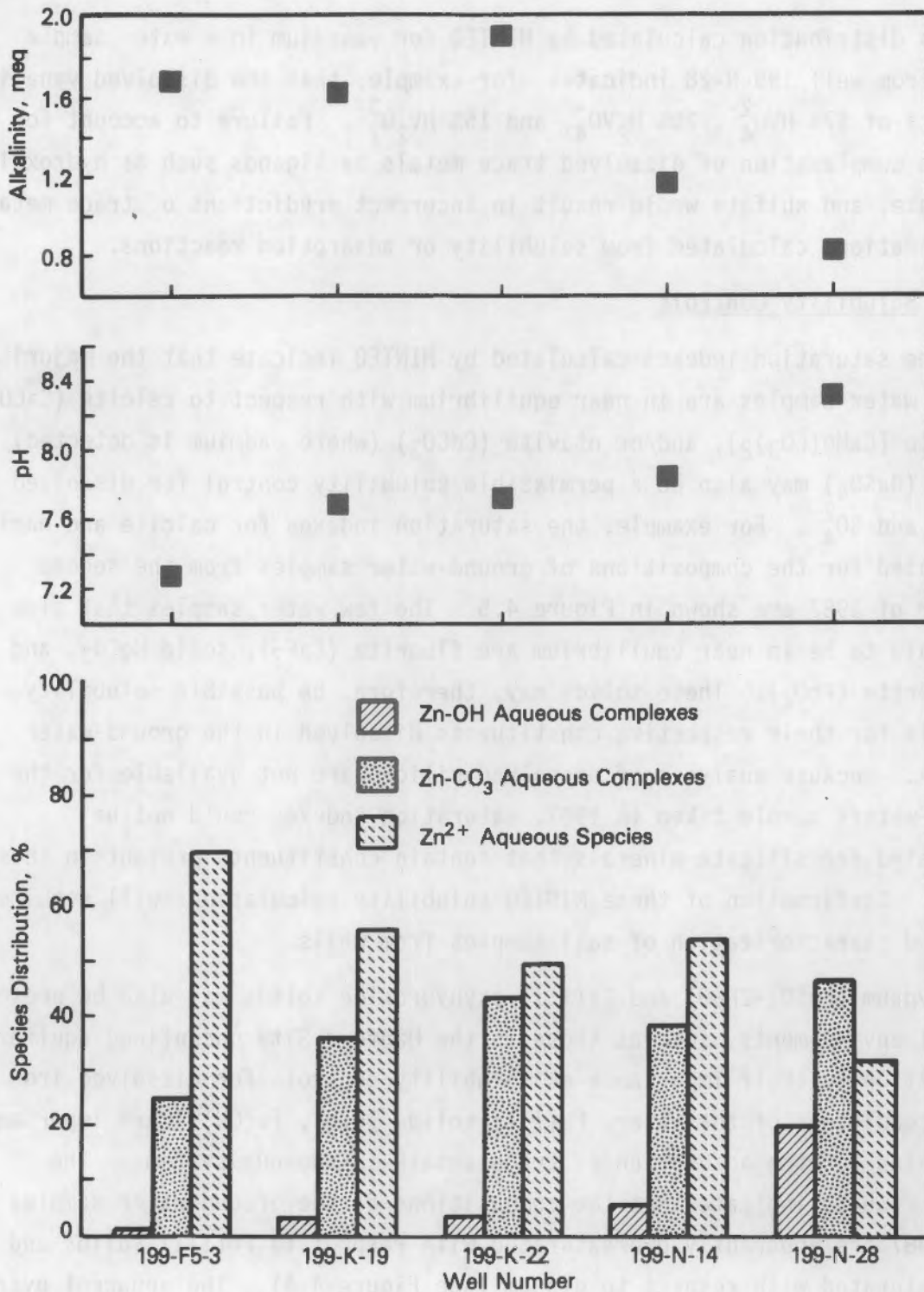


FIGURE 4.4. Distribution of  $Zn^{2+}$ ,  $Zn-CO_3$ , and  $Zn-OH$  Complexes for Aqueous Zn Complexes Plotted as a Function of pH and Alkalinity for Water Samples from the Second Quarter of 1987 from Five Wells in the 100 Areas

species distribution calculated by MINTEQ for vanadium in a water sample taken from well 199-N-28 indicates, for example, that the dissolved vanadium consists of 57%  $\text{HVO}_4^{2-}$ , 28%  $\text{H}_2\text{VO}_4^-$ , and 15%  $\text{HV}_2\text{O}_7^{3-}$ . Failure to account for aqueous complexation of dissolved trace metals by ligands such as hydroxyl, carbonate, and sulfate would result in incorrect predictions of trace metal concentrations calculated from solubility or adsorption reactions.

#### 4.2.2 Solubility Controls

The saturation indexes calculated by MINTEQ indicate that the majority of the water samples are in near equilibrium with respect to calcite ( $\text{CaCO}_3$ ), dolomite [ $\text{CaMg}(\text{CO}_3)_2$ ], and/or otavite ( $\text{CdCO}_3$ ) (where cadmium is detected). Barite ( $\text{BaSO}_4$ ) may also be a permissible solubility control for dissolved barium and  $\text{SO}_4^{2-}$ . For example, the saturation indexes for calcite and barite calculated for the compositions of ground-water samples from the second quarter of 1987 are shown in Figure 4.5. The few water samples that also calculate to be in near equilibrium are fluorite ( $\text{CaF}_2$ ), solid  $\text{HgCO}_3$ , and plattnerite ( $\text{PbO}_2$ ). These solids may, therefore, be possible solubility controls for their respective constituents dissolved in the ground-water samples. Because analyses of dissolved silicon are not available for the ground-water sample taken in 1987, saturation indexes could not be calculated for silicate minerals that contain constituents present in these waters. Confirmation of these MINTEQ solubility calculations will require detailed characterization of soil samples from wells.

Gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) and Fe(III) oxyhydroxide solids may also be present in soil environments, such as those in the Hanford Site unconfined aquifer. In addition to their importance as solubility controls for dissolved iron and redox conditions of the water, Fe(III) solids [e.g.,  $\text{Fe}(\text{OH})_3$ ] are important substrates for the adsorption of trace metals in aqueous systems. The MINTEQ results indicate that the compositions of the ground-water samples from 1987 are apparently oversaturated with respect to Fe(III) solids and undersaturated with respect to gypsum (see Figure 4.5). The apparent oversaturation of these waters with respect to Fe(III) solids requires further investigation because Fe(III) solids [e.g.,  $\text{Fe}(\text{OH})_3$ ] are commonly found to



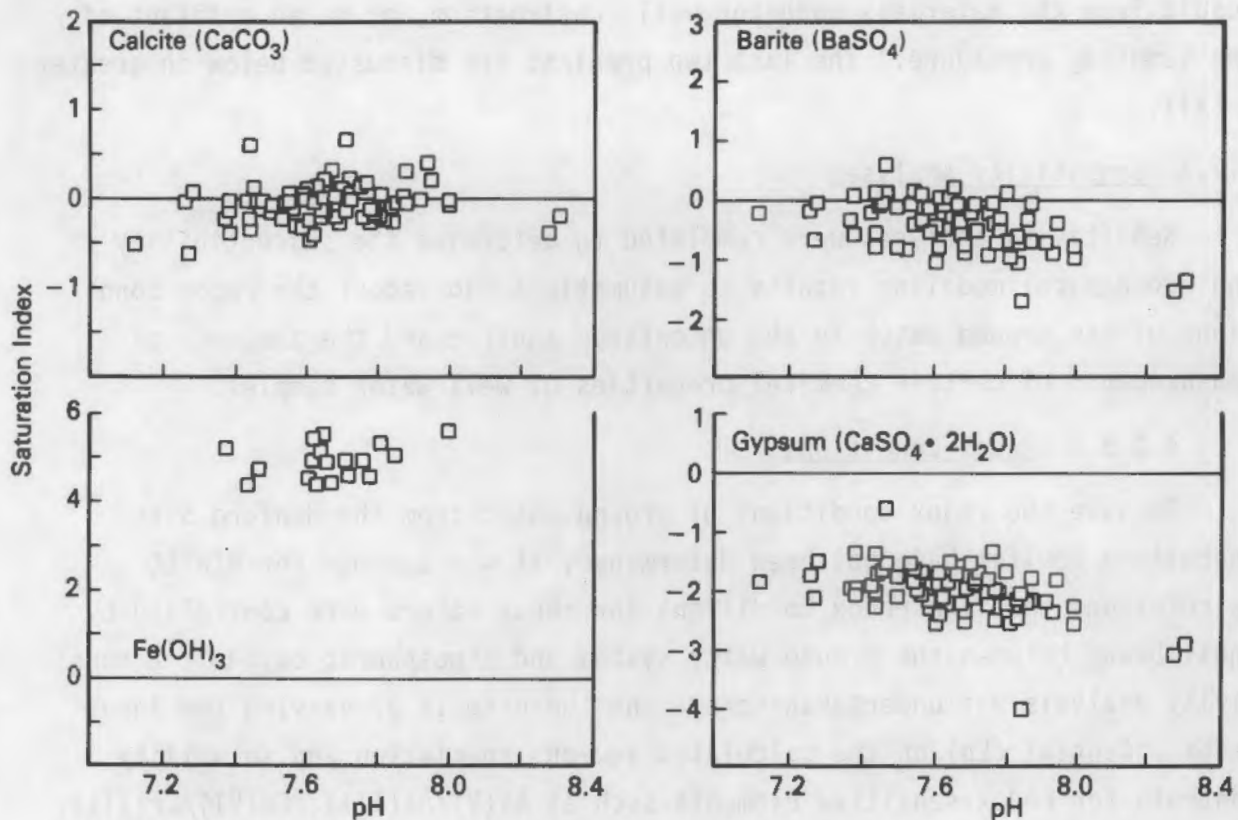


FIGURE 4.5. Saturation Indices for Calcite, Barite, Fe(OH)<sub>3</sub>, and Gypsum, Plotted as a Function of pH for Compositions of Water Samples Taken During the Second Quarter of 1987

control iron concentrations in oxidizing soil/water environments [e.g., Lindsay's (1979) discussion of Fe(III) in soil systems]. However, it is not possible at this time to determine the adequacy of the MINTEQ calculations for redox-sensitive elements such as dissolved iron because of the undetermined effect of colloidal iron, the lack of chemical and mineralogical characterization for soils from these wells, the lack of measurements of the redox state for ground water in the unconfined aquifer, and the lack of adequate sensitivity for solubility calculations of the analytical method used to measure dissolved iron in these ground-water samples. Filtration tests can be done on ground-water samples collected from wells that have shown elevated concentrations of dissolved iron in the past. The filtration tests will indicate if any of the detected iron is present as suspended, colloidal ferric hydroxide. The iron colloid may originate in the aquifer,



result from the materials used for well construction, or be an artifact of the sampling procedure. The last two problems are discussed below in greater detail.

#### 4.2.3 Sensitivity Analyses

Sensitivity analyses were completed to determine the susceptibility of the geochemical modeling results to assumptions made about the redox conditions of the ground water in the unconfined aquifer and the adequacy of measurements of certain chemical properties of well water samples.

##### 4.2.3.1 Redox Conditions

Because the redox conditions of ground water from the Hanford Site unconfined aquifer have not been determined, it was assumed for MINTEQ calculations that the redox conditions for these waters were controlled by equilibrium between the ground-water system and atmospheric oxygen. A sensitivity analysis was undertaken to examine the effects of varying the input redox potential (Eh) on the calculated aqueous speciation and solubility controls for redox-sensitive elements such as As(V)/As(III), Cr(VI)/Cr(III), Fe(III)/Fe(II), and Mn(III)/Mn(II). Four ground-water compositions with pH between 7.4 and 7.7 were selected for the calculations.

The modeling results indicate that a decrease of 500 mV from a starting Eh of 774.8 mV at constant pH does not markedly affect the calculated concentrations of As(V), Fe(III), and Mn(II) that constitute the dominant redox valence states of these elements over this pH-Eh range. The saturation indexes calculated for minerals containing these redox-sensitive elements, however, do change over this Eh range in relation to changes in the dissolved concentrations of their constituent elements. Measurements of Eh, dissolved O<sub>2</sub>, and/or analytical redox couples will be needed to determine the validity of the assumption that these waters are in equilibrium with atmospheric oxygen.

##### 4.2.3.2 Detection-Level Sensitivity Analysis

A series of MINTEQ calculations was also completed to test the sensitivity of the geochemical modeling results to the minimum detection levels reported for the analytical methods used to measure dissolved constituents such as iron and PO<sub>4</sub><sup>3-</sup>. Concentrations at the minimum detection limits for



these constituents were entered into the MINTEQ input files to determine whether these levels were adequately sensitive to predict possible solubility controls for these constituents.

The minimum detection level reported for the analysis of dissolved iron is 50  $\mu\text{g/L}$ . Several wells from the 100, 200, and 600 Areas sampled during the first quarter of 1987 were analyzed using the MINTEQ geochemical code with and without the minimum detection levels of iron. In all cases where detection-level iron was used, the results indicated that the solutions are oversaturated with respect to all Fe(III) solids [e.g.,  $\text{Fe}(\text{OH})_3$ ] in the MINTEQ thermodynamic data base. These results indicate that the analytical method currently used to measure dissolved iron is not sufficiently sensitive to allow adequate prediction of possible solubility controls for iron. Because of the importance of iron solids as possible controls of redox conditions and as adsorption substrates for trace metals, analyses of dissolved iron with an analytical method having a lower detection level are required to accurately calculate the aqueous speciation and solubility controls for dissolved iron.

The minimum detection level reported for the analysis of dissolved  $\text{PO}_4^{3-}$  is 1000  $\mu\text{g/L}$ . Several wells from the 200-West Area sampled during the first quarter of 1987 were modeled using the MINTEQ geochemical code with and without the minimum detection levels for  $\text{PO}_4^{3-}$ . In all cases where detection-level  $\text{PO}_4^{3-}$  was used, the results indicated that the solutions were near equilibrium with respect to hydroxyapatite [ $\text{Ca}_5(\text{PO}_4)_3(\text{OH})$ ] and slightly undersaturated to slightly oversaturated with respect to solid  $\text{MnHPO}_4$  and strengite ( $\text{FePO}_4 \cdot 2\text{H}_2\text{O}$ ). These results indicate that the detection level for dissolved  $\text{PO}_4^{3-}$  is not sufficiently sensitive to adequately predict solubility controls for  $\text{PO}_4^{3-}$ . Analyses of dissolved  $\text{PO}_4^{3-}$  with an analytical method having a lower detection level are required to accurately calculate the aqueous speciation and solubility controls for this constituent.

these constituents were entered into the MINTEQA2 input files to determine whether these levels were adequately sensitive to predict possible solubility controls for these constituents.

The minimum detection level reported for the analysis of dissolved iron is 50 µg/L. Several wells from the 100, 200, and 600 Areas sampled during the first quarter of 1987 were analyzed using the MINTEQA2 geochemical code with and without the minimum detection levels of iron. In all cases where detection-level iron was used, the results indicated that the solutions are oversaturated with respect to all Fe(III) solids (e.g., Fe(OH)<sub>3</sub>) in the MINTEQA2 thermodynamic data base. These results indicate that the analytical method currently used to measure dissolved iron is not sufficiently sensitive to allow adequate prediction of possible solubility controls for iron. Because of the importance of iron solids as possible controls of redox conditions and as adsorption substrates for trace metals, analysis of dissolved iron with an analytical method having a lower detection level are required to accurately calculate the aqueous speciation and solubility controls for dissolved iron.

The minimum detection level reported for the analysis of dissolved PO<sub>4</sub><sup>3-</sup> is 1000 µg/L. Several wells from the 200-West Area sampled during the first quarter of 1987 were modeled using the MINTEQA2 geochemical code with and without the minimum detection levels for PO<sub>4</sub><sup>3-</sup>. In all cases where detection-level PO<sub>4</sub><sup>3-</sup> was used, the results indicated that the solutions were near equilibrium with respect to hydroxylapatite [Ca<sub>5</sub>(PO<sub>4</sub>)<sub>3</sub>(OH)] and slightly undersaturated to slightly oversaturated with respect to solid MnPO<sub>4</sub> and strontianite (FePO<sub>4</sub>·2H<sub>2</sub>O). These results indicate that the detection level for dissolved PO<sub>4</sub><sup>3-</sup> is not sufficiently sensitive to adequately predict solubility controls for PO<sub>4</sub><sup>3-</sup>. Analyses of dissolved PO<sub>4</sub><sup>3-</sup> with an analytical method having a lower detection level are required to accurately calculate the aqueous speciation and solubility controls for this constituent.



## 5.0 GROUND-WATER FLOW MODELING

Large volumes of process cooling water are discharged to the ground from operations in the central portion of the Hanford Site. Over the years, these large volumes of waste water have reached the water table and created ground-water mounds near major disposal facilities and have impacted ground-water and contaminant movement in the unconfined aquifer. The unconfined aquifer is located in a sequence of fluvial, lacustrine, and glaciofluvial sediments that were deposited on top of the Columbia River Basalt Group.

Ground-water flow and contaminant transport models developed for the unconfined aquifer during the 1970s have been applied to assess the impacts of operations on the rate and direction of ground-water flow and contaminant transport. Currently, these modeling capabilities for the unconfined aquifer are being improved by adapting new computer codes and calibrating models to more current Hanford Site data.

### 5.1 DESCRIPTION OF PREVIOUS WORK

Ground-water flow and contaminant transport models were developed for the unconfined aquifer and applied during the 1970s. The Variable Thickness Transient (VTT) finite difference flow code (Kipp et al. 1972) was calibrated to existing data and was used to predict ground-water flow in the unconfined aquifer. The Multicomponent Mass Transport (MMT) code (Ahlstrom et al. 1977) was applied to simulate movement of the tritium plume between the 200-East Area and the Columbia River. The Hanford Pathline Calculational code (Friedrichs, Cole, and Arnett 1977) was applied to predict advective transport of contaminants along pathlines in the unconfined aquifer predicted with the VTT code. A later modification of the streamline approach, the TRANSS code, was developed by Simmons, Kincaid, and Reisenauer (1986). Specific applications of these codes for estimating ground-water and contaminant travel times at the Hanford Site are described in Freshley and Graham (1988).

The ground-water flow model based on the VTT code was calibrated with a Transmissivity Iterative Calculation Routine (Cearlock, Kipp, and Friedrichs 1975) to estimate the hydraulic conductivity distribution for the unconfined

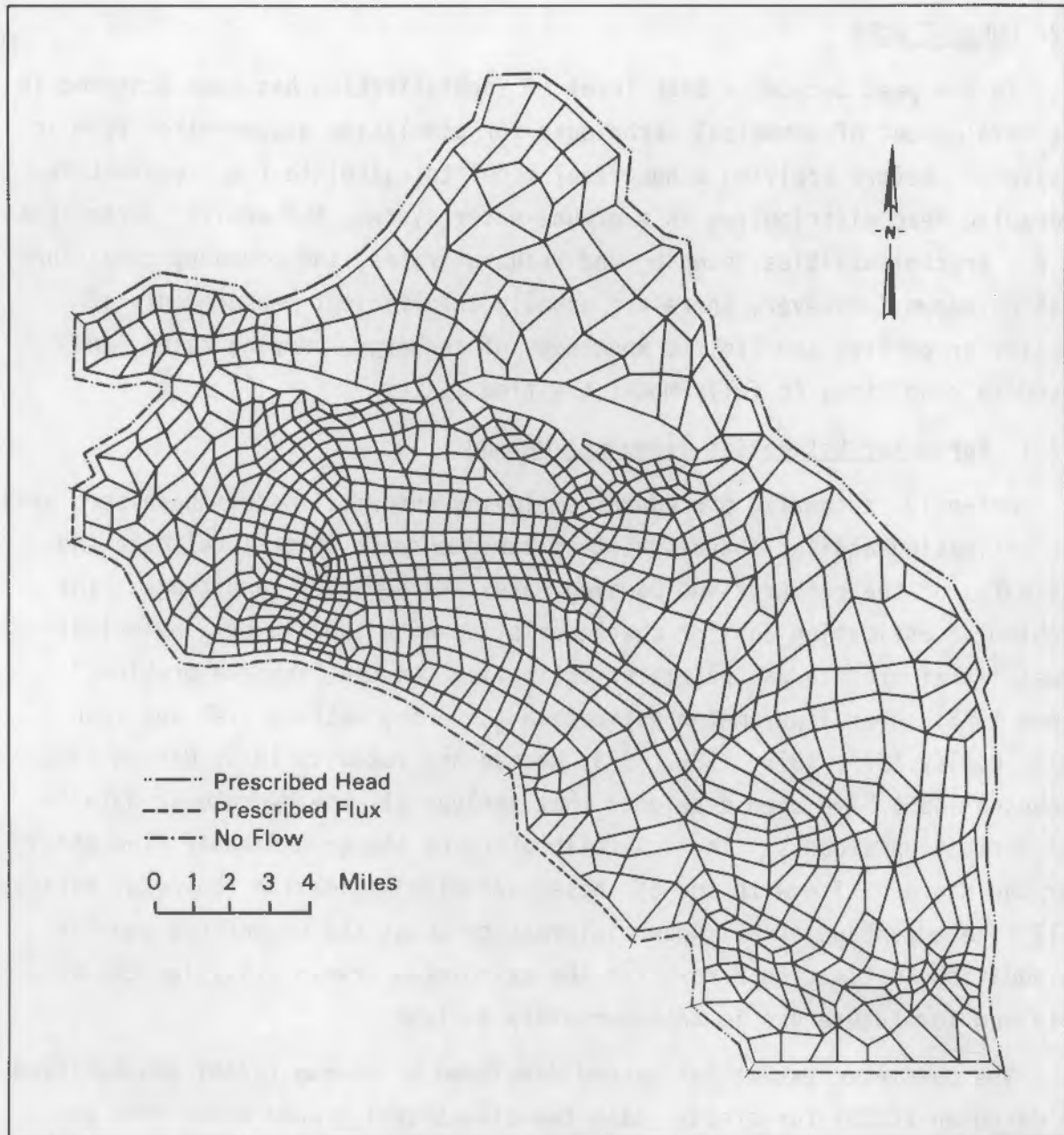
aquifer. The technique applied by Cearlock, Kipp, and Friedrichs (1975) is based on an equation obtained by numerical integration of the Boussinesq equation along instantaneous stream tubes of flow. The Boussinesq equation (Fetter 1980) describes ground-water flow in unconfined aquifers. The constructed stream tubes were based on a hand-contoured water-level map for 1973. A transmissivity value obtained from aquifer test data was needed in each stream tube as an initial value to calculate all other transmissivities along the stream tube. In portions of the study area that had stream tubes for which no transmissivity data were available, the spatial distribution of transmissivity could not be directly calculated. Thus, in these portions of the study area, the transmissivity values were estimated by interpolation.

The calibrated distribution of hydraulic conductivity was used in the VTT code along with estimates of the storage coefficient, recharge to and discharge from the aquifer, and boundary conditions to predict transient water levels in the unconfined aquifer from 1968 to 1973 (Cearlock, Kipp, and Friedrichs 1975). The calibrated ground-water flow model yielded reasonable predicted water levels over most of the unconfined aquifer but did not directly include recharge and flux boundary conditions in the calibration procedure.

In 1984, work was initiated to develop a two-dimensional model of ground-water flow and contaminant transport in the unconfined aquifer based on the Coupled Fluid, Energy, and Solute Transport (CFEST) code (Gupta et al. 1982). The CFEST finite element code was selected because it can be applied to simulate ground-water flow and contaminant transport in two or three dimensions under steady-state or transient conditions, it can account for radionuclide decay, and it allows recharge to or discharge from the aquifer.

The hydraulic conductivity distribution and other input data for the previously calibrated ground-water flow model based on the VTT code were adapted to the CFEST code. The finite element grid for the ground-water flow model based on CFEST (Figure 5.1) was designed to provide detail at locations of waste-water discharge and in areas with rapid changes in hydraulic conductivity. Results from the ground-water flow model based on CFEST were





**FIGURE 5.1.** Finite Element Grid and Boundary Conditions for the Model Based on the CFEST Code

compared with those from the VTT model. For steady-state conditions, the results from the model based on CFEST reproduced those from the model based on VTT.

## 5.2 CURRENT WORK

In the past decade, a high level of sophistication has been achieved in the development of numerical techniques for simulating ground-water flow in aquifers. Before applying a numerical model to calculate the steady-state hydraulic head distribution in a ground-water system, the aquifer parameters (e.g., transmissivities, pumping and recharge rates, and boundary conditions) must be known. However, there are usually insufficient measurements of aquifer properties and limited knowledge of recharge, pumping rates, and boundary conditions to fully model the flow system.

### 5.2.1 Parameter Estimation (Inverse) Method

Recently, automatic procedures employing numerical models have been used for estimating aquifer characteristics based on past water-level data and estimates of the recharge and pumping rates and boundary conditions. The problem of estimating aquifer characteristics with the aid of a numerical model is referred to as "parameter estimation" or the "inverse problem." Since 1975, several parameter estimation (inverse) methods (Yeh and Yoon 1976; Cooley 1977, 1979, 1982, 1983; Neuman and Yakowitz 1979; Neuman 1980; Jacobson 1985) have been developed that include all the hydrologic data in the estimation process. Thus, a calibration of the ground-water flow model for the Hanford Site with one of these parameter estimation (inverse) methods will take advantage of all known information about the unconfined aquifer. In addition, estimation errors for the calculated transmissivities can be obtained for future use in an uncertainty analysis.

The parameter estimation method developed by Neuman (1980) and modified by Jacobson (1985) for steady-state two-dimensional ground-water flow problems was applied to the data from the unconfined aquifer at Hanford. This research contributes to modeling capabilities at Hanford by providing an improved method for calibrating the current two-dimensional ground-water flow model. This improved method includes all available information about estimates of transmissivities, hydraulic heads, boundary conditions, and discharges to and withdrawals from the aquifer to obtain a preliminary inverse calibration of the ground-water flow model.



### 5.2.2 Data Preparation for the Inverse Model

Preparation of transmissivity and hydraulic head data, as well as information on boundary conditions and discharges to the unconfined aquifer, is required before these data may be used in the inverse model of Neuman (1980). These data must represent a consistent set of information from the same period of time for the inverse calibration. Because the inverse model requires steady-state conditions, available data were reviewed to select a period when water levels and discharges to ground were relatively constant. Based on the water level and discharge information, 1979 was selected as the most appropriate year for use in the inverse calibration. Ground-water levels and discharges to ground remained constant beginning in 1976 and continuing through 1979. As a result, 1979 represented the closest approximation to steady-state conditions within recent Hanford Site operations.

Ground-water levels for June and December 1979 were reviewed. The December measurements were selected for the inverse calibration because these data are closer to the end of the steady-state period. In addition, the influence of changing river level is less in December because the Columbia River is typically lower and more constant than in June.

Water-level data collected in December 1979 were reviewed for consistency. Water-level measurements from wells that were obvious outliers or from wells strongly influenced by changes in river stage were not included in data used for the inverse calibration. A few wells were not included because their screened intervals are open to a large portion of the unconfined aquifer and may not reflect the water table. Of the 278 wells included in the original list of hydraulic head measurements for December 1979, 214 were used for the inverse calibration.

Neuman's (1980) inverse method employs a finite element representation that assumes transmissivity is constant in each element. If several elements have the same transmissivity, they can be treated as a zone of constant transmissivity. Transmissivity values obtained from aquifer tests are generally viewed as point measurements because they represent an average value over the aquifer close to the well. Thus, aquifer test data must be modified to obtain estimates of the spatial scale of elements or zones for input into the inverse model.



Estimates of transmissivity have been made from aquifer tests conducted on the Hanford Site since 1945 (Bierschenk 1959). The transmissivity data through 1972 were included in the calibration of the VTT ground-water flow model for the unconfined aquifer at Hanford (Cearlock, Kipp, and Friedrichs 1975).

Results from tests on wells completed in the Hanford Site unconfined aquifer (Bierschenk 1959; Kipp and Mudd 1973; Deju and Summers 1975; Graham et al. 1981) were reviewed for the inverse calibration. In addition to the reported aquifer tests in the published documents, unpublished aquifer test data stored at PNL and WHC were reviewed and reanalyzed where required.

Although a number of additional published and unpublished aquifer tests for the unconfined aquifer are available, tests from 52 wells provided data that were suitable for interpretation and analysis. If a sufficient number of data points were available, a geostatistical technique (called kriging) could have been applied to interpolate and average the transmissivity data to obtain estimates for each zone. Because the transmissivity data could not be kriged, the distribution of transmissivity obtained from calibration of the VTT model (Cearlock, Kipp, and Friedrichs 1975) was adapted as an initial estimate for the inverse calibration.

A zonation pattern and prior estimates of transmissivities were developed based on the distribution of transmissivities obtained in the VTT model calibration (Cearlock, Kipp, and Friedrichs 1975). The prior estimates of transmissivity for the inverse method were calculated for each zone by taking the arithmetic average of the logarithm of the transmissivity values for all elements in the zone. No statistical information was available about the prior estimates of transmissivity; thus, only the prior estimates themselves were included in the inverse calibration. A contour map of transmissivities calculated by assigning the prior estimates of transmissivity to the center of each element in the zones illustrates the overall spatial variation of prior transmissivities (Figure 5.2). In actuality, these transmissivity values are treated in the ground-water flow model as constant in each zone.







Boundary conditions for the inverse calibration (see Figure 5.2) were the same as those applied to the ground-water flow model of the unconfined aquifer, based on the VTT code, and to the more recent model, based on the CFEST code. Estimates of waste water discharged to the ground in 1979 are from Sliger (1980) and Dillon (1985).

### 5.3 APPLICATION AND RESULTS OF THE INVERSE MODEL

A finite element grid with 966 nodes and 878 elements (see Figure 5.1) was developed for application of the inverse method to the data from the unconfined aquifer at the Hanford Site. The spatial distribution of transmissivity was represented by 240 zones with constant transmissivity in each zone.

A series of transmissivity estimates was generated using the inverse method. The "best" solution was selected based on statistical tests of the hydraulic head residuals (the difference between the calculated and measured hydraulic head values at well locations) and the transmissivities being within an acceptable range of magnitude.

Four different applications of the inverse method to the unconfined aquifer at the Hanford Site were investigated in 1987. The four applications differed in the treatment of the boundary conditions along the Cold Creek valley (i.e., either prescribed head or prescribed flux) and of the areal recharge. For ease in presentation, the four applications are defined as follows:

- case 1 involves the prescribed flux boundary condition with no areal recharge
- case 2 involves the prescribed head boundary condition with no areal recharge
- case 3 involves the prescribed flux boundary condition with areal recharge
- case 4 involves the prescribed head boundary condition with areal recharge.



The objectives of the applications were to investigate how changes in the Cold Creek valley boundary conditions and the addition of areal recharge affected the calibration of the ground-water flow model for the unconfined aquifer at the Hanford Site. Thus, three types of comparisons of the results of the different applications were made: 1) variations caused by differing boundary conditions, 2) variations caused by including areal recharge, and 3) differences between the "best" calibrations and the hand-contoured water levels.

#### 5.3.1 Comparison of Inverse Results for Varying Cold Creek Valley Boundary Conditions with No Areal Recharge

The water levels calculated by case 1 with prescribed flux at the Cold Creek valley boundary and no areal recharge are unreasonably high in the Cold Creek valley and indicate that this inverse application does not yield a good calibration to the expected water levels in this region. The water levels calculated by case 2 with prescribed head boundary condition and no areal recharge in the Cold Creek valley are reasonable because of the prescribed head conditions. A comparison of the case 1 and case 2 water levels, however, indicates that, in most of the study area, the water levels are very similar.

#### 5.3.2 Comparison of Inverse Results for Varying Cold Creek Valley Boundary Conditions with Areal Recharge

The recharge estimates used in the inverse applications represent one possible spatial distribution based on knowledge of the soil and vegetation types on the Hanford Site. The goal in the inverse applications is to investigate the effect on the estimates of transmissivity of including areal recharge. The recharge values vary from 12 to 0.5 cm/yr, where the larger value is 75% of the precipitation.

The water levels computed from case 3 with prescribed flux boundary condition along the Cold Creek valley and areal recharge are unreasonable in the region of the Cold Creek valley. The water levels computed from case 4 with prescribed head boundary conditions along the Cold Creek valley and areal recharge are reasonable along the Cold Creek valley, and the values in



other portions of the study area do not differ significantly from those obtained by using case 3.

#### 5.3.3 Comparison of the Inverse Results for Varying Areal Recharge with Fixed Boundary Conditions Along the Cold Creek Valley

Water levels produced by case 1 with no recharge and case 3 with recharge were compared. For both of these inverse applications, the boundary condition along the Cold Creek valley was prescribed flux. In general, the water-level patterns are similar for the two inverse applications. Although both applications produced water levels that were unreasonably high in the Cold Creek valley, the inverse results that included areal recharge (i.e., case 3) yielded water levels in this area that were 40 ft smaller than the case 1 levels.

Water levels produced by case 2 with no areal recharge and case 4 with areal recharge were also compared. For both these inverse applications, the boundary condition along the Cold Creek valley was prescribed head. The water-level patterns are very similar for the two inverse applications. The water-level contours in the eastern portion of the study area have been shifted to the east when areal recharge is included (i.e., case 4), and this position is closer to the hand-contoured water levels.

#### 5.3.4 Comparison of the "Best" Results of the Inverse Applications to the Hand-Contoured Water Levels

The water levels computed by the inverse applications with the prescribed head boundary condition along the Cold Creek valley were considered to be the most representative of the observed water levels. For these inverse applications, the average residuals are smaller and the water levels along the Cold Creek valley were reasonable.

The inverse applications used water levels at well locations in the fitting procedure; thus, a direct comparison to hand-contoured water levels may be misleading. However, the comparison gives an overall indication of the fit of calculated to measured values. The water levels for case 2 with no areal recharge are compared to the hand-contoured water levels in Figure 5.3. The general trends (e.g., steep gradient to the east of the 200-West Area) have been reproduced by the inverse results. The water levels



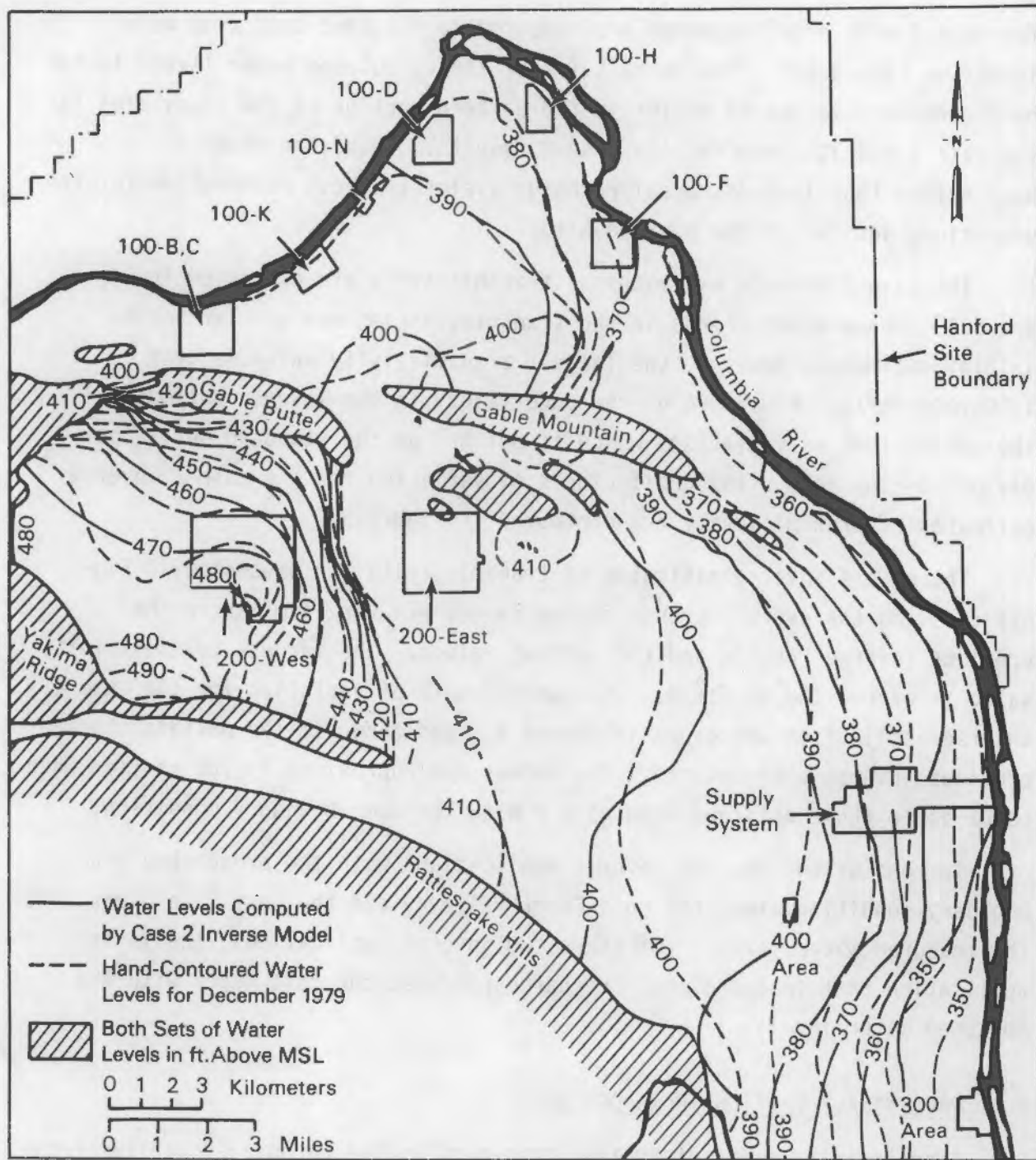


FIGURE 5.3. Comparison of Water Levels Computed by the Case 2 Inverse Model and Hand-Contoured Water Levels



for case 4 with areal recharge are compared to the hand-contoured water levels in Figure 5.4. The overall fit of the calculated water levels to the hand-contoured values is better in the eastern portion of the study area for the case 4 results than for the case 2 results. Thus, the inverse application that includes areal recharge yields the best calibration for the unconfined aquifer at the Hanford Site.

The case 2 inverse estimates of transmissivity are presented in Figure 5.5. The overall trends in the transmissivities are similar to the initial estimates; however, the largest transmissivity value is over 1,500,000 ft<sup>2</sup>/d. A measure of the uncertainty in the inverse estimates is the coefficient of variation, which is defined as the standard deviation divided by the mean. The coefficients of variation for the case 2 inverse estimates of transmissivity are contoured in Figure 5.6.

The case 4 inverse estimates of transmissivity are presented in Figure 5.7, and the overall trends in the values are very similar to the previous inverse results and the initial values. The largest transmissivity value is over 1,200,000 ft<sup>2</sup>/d. The coefficients of variation for the case 4 inverse application are given in Figure 5.8 and show similar patterns to the previous inverse applications. The values are approximately 10% smaller when compared to those obtained from case 2 with the same boundary condition.

In conclusion, the two inverse applications with the prescribed head boundary condition along the Cold Creek valley yield the best fits overall to the measured water levels. Of these two inverse applications, the inverse application that included areal recharge produced the best match with the measured water levels.

#### 5.4 PRELIMINARY TRITIUM TRANSPORT MODEL

A preliminary model of tritium transport in the unconfined aquifer from the 200-East Area was developed. The finite element grid for the tritium transport model was the same as that developed for the ground-water flow model (see Figure 5.1). The distribution of tritium in the aquifer for 1983 (Prater et al. 1984) was input to the model as an initial condition (Figure 5.9). Sources of tritium in the 200-West Area were not included in this modeling effort.



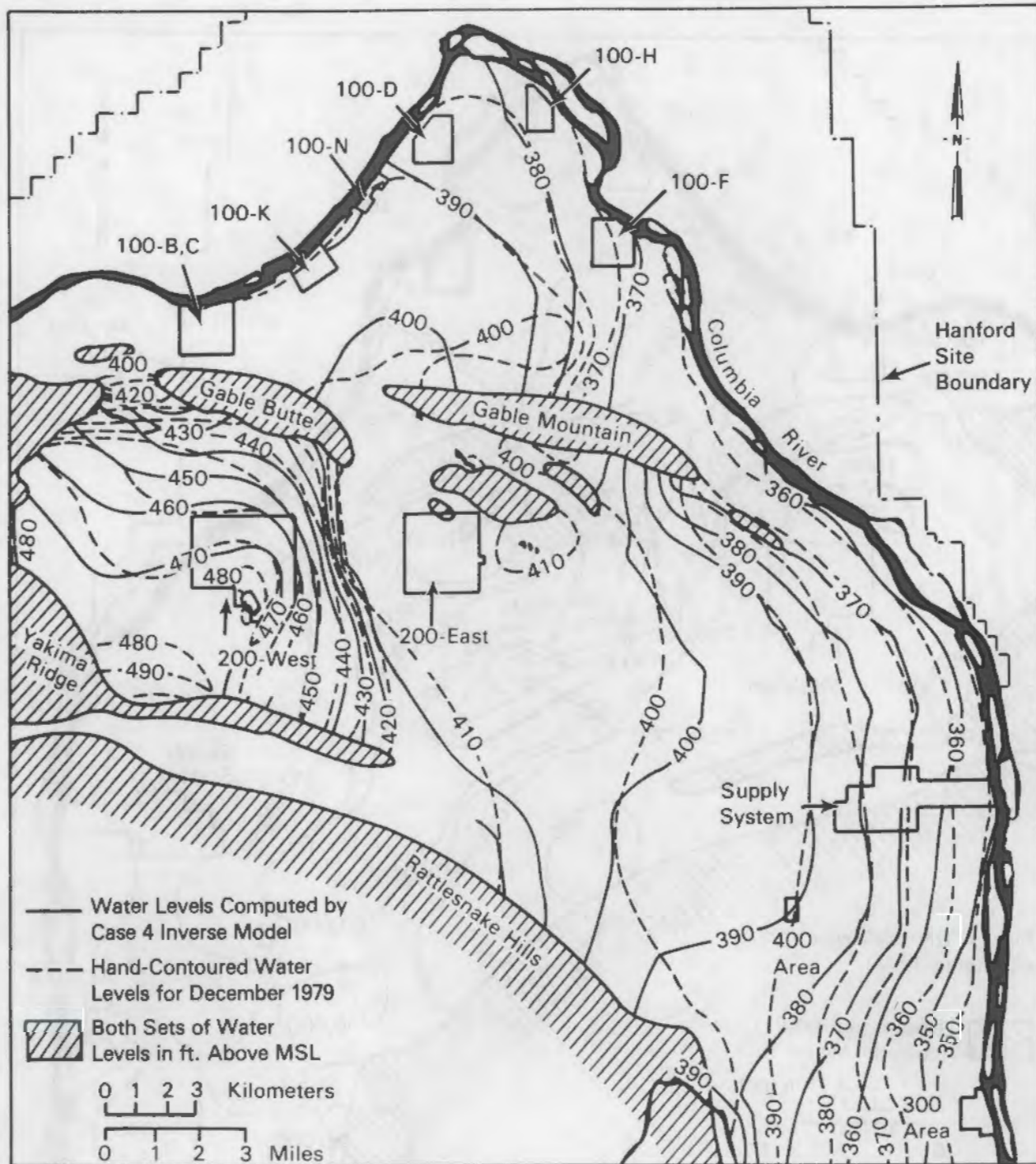


FIGURE 5.4. Comparison of Water Levels Computed by the Case 4 Inverse Model and Hand-Contoured Water Levels







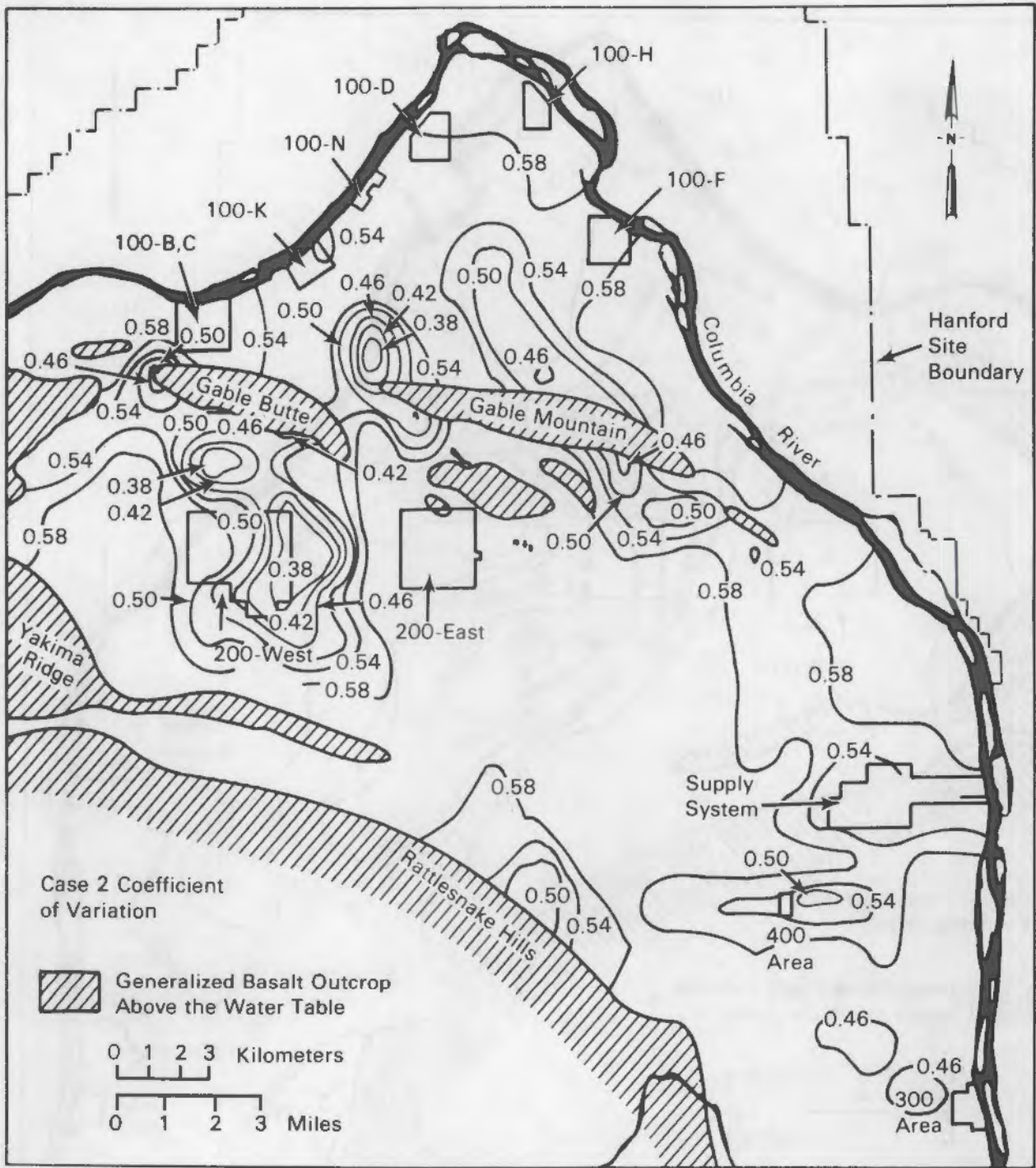


FIGURE 5.6. Contour Map of the Coefficients of Variation for the Case 2 Inverse Model



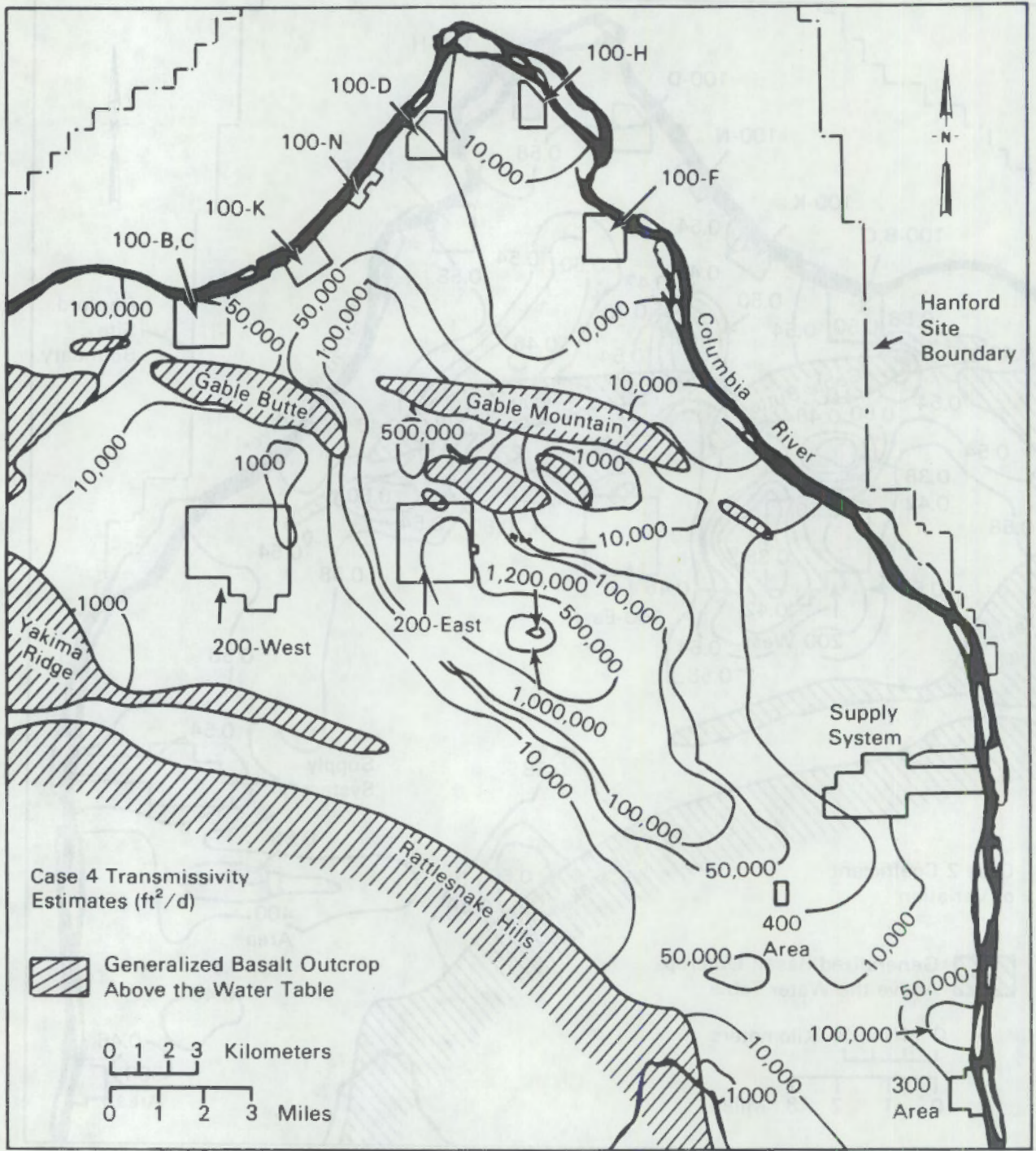


FIGURE 5.7. Contour Map of the Transmissivity Estimates for the Case 4 Inverse Model



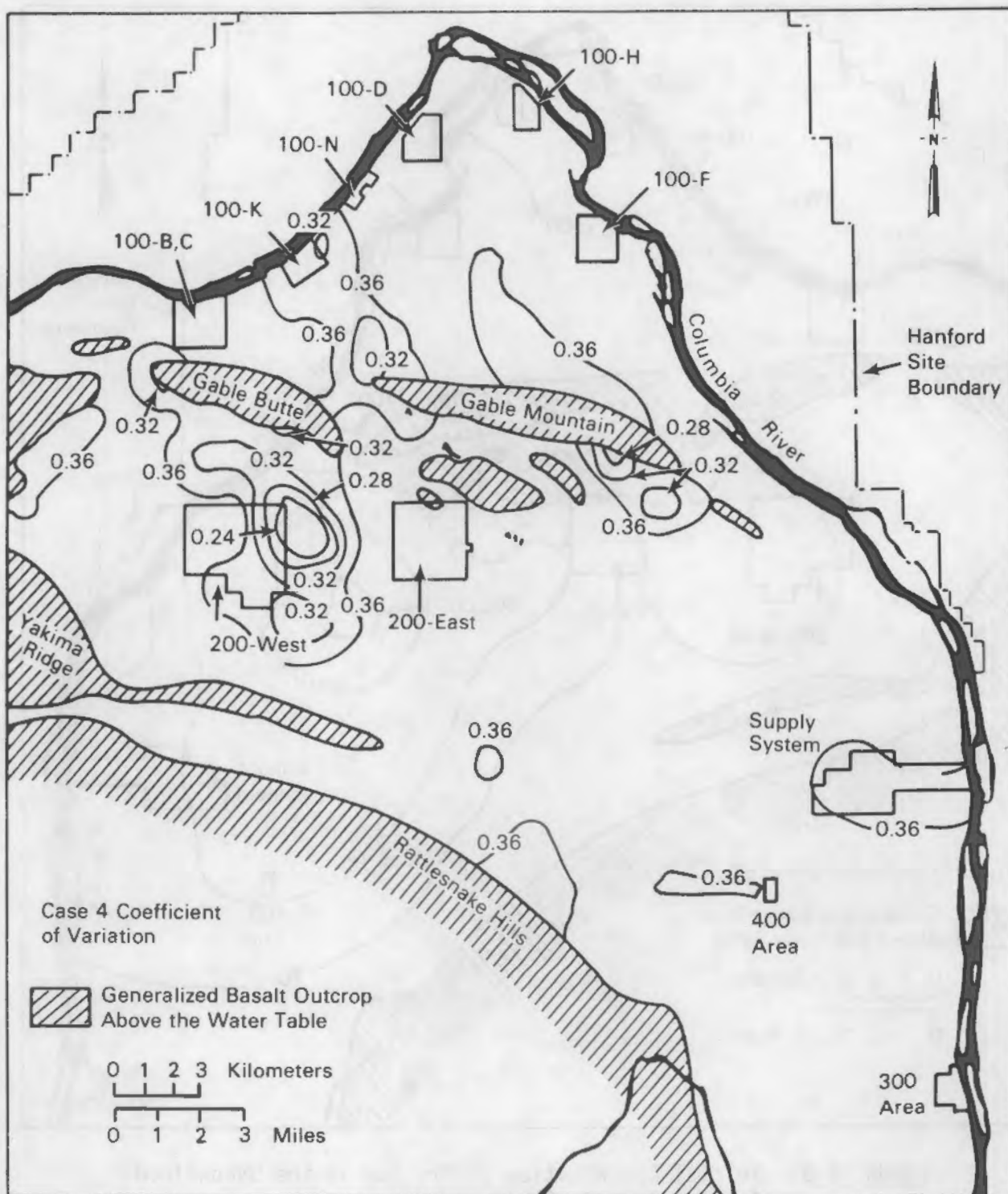


FIGURE 5.8. Contour Map of the Coefficients of Variation for the Case 4 Inverse Model



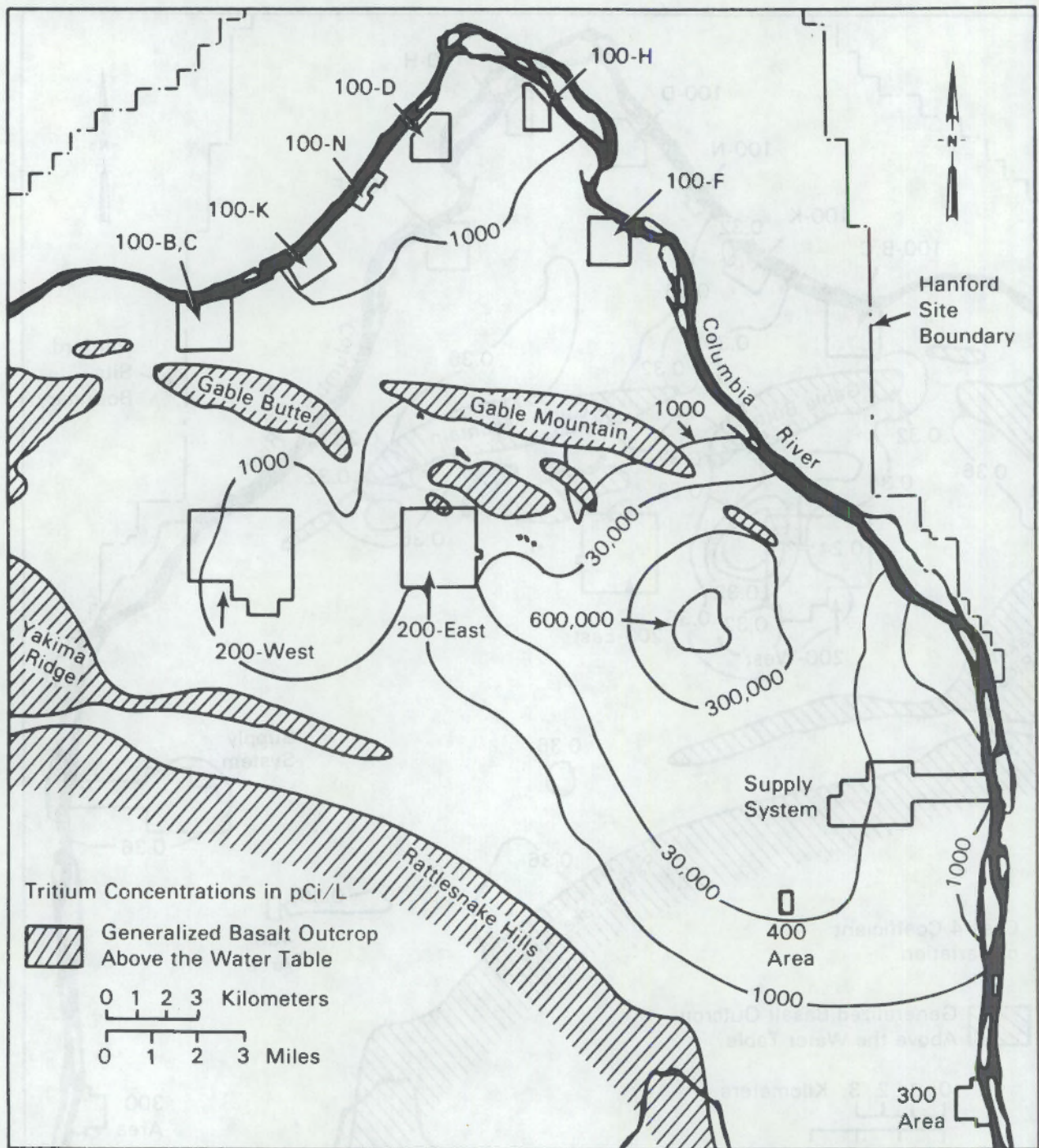


FIGURE 5.9. Initial Distribution of Tritium in the Unconfined Aquifer During 1983



Parameters that were entered into the tritium transport model from the 200-East Area included the flow velocity field, effective porosity, and coefficients of dispersion. The flow velocity field for the tritium transport model was predicted with the model, based on the CFEST code and calibrated with the inverse procedure. A uniform effective porosity of 0.10 was assumed for the tritium transport model, based on estimates made for the unconfined aquifer (Bierschenk 1959). A longitudinal dispersivity of 100 ft (30 m) and transverse dispersivity of 10 ft (3 m) resulted in a predicted distribution of tritium that agreed with the observed distribution. These values are similar to those reported by Ahlstrom et al. (1977) as most suitable from previous calibration of a tritium transport model based on the MMT code.

#### 5.4.1 Application of the Tritium Transport Model

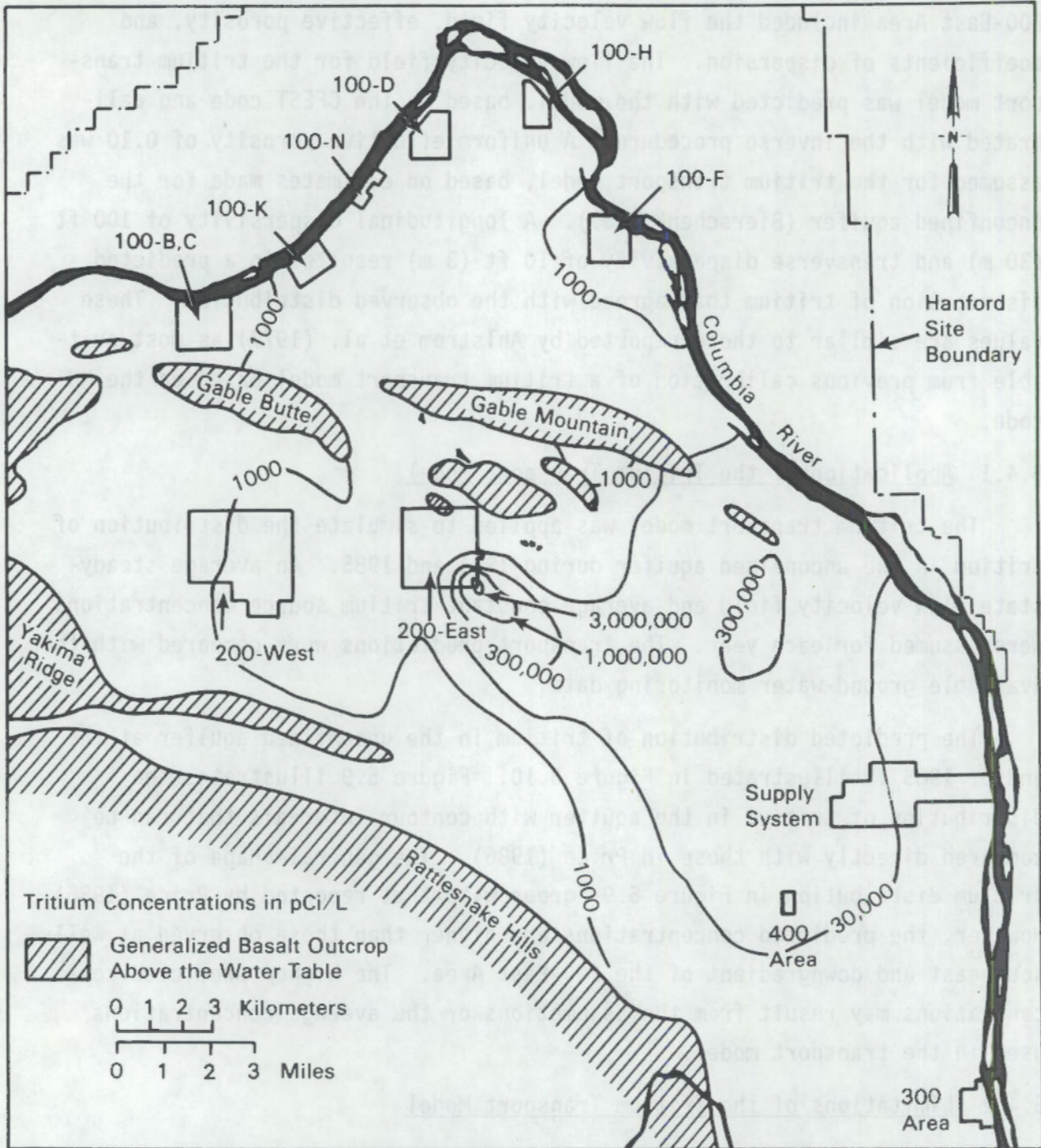
The tritium transport model was applied to simulate the distribution of tritium in the unconfined aquifer during 1984 and 1985. An average steady-state flow velocity field and average constant tritium source concentrations were assumed for each year. The transport predictions were compared with the available ground-water monitoring data.

The predicted distribution of tritium in the unconfined aquifer at the end of 1985 is illustrated in Figure 5.10. Figure 5.9 illustrates the distribution of tritium in the aquifer with contour intervals that can be compared directly with those in Price (1986). The general shape of the tritium distribution in Figure 5.9 agrees with that reported by Price (1986). However, the predicted concentrations are higher than those observed at wells southeast and downgradient of the 200-East Area. The higher predicted concentrations may result from the assumptions or the average concentrations used in the transport model.

#### 5.4.2 Limitations of the Tritium Transport Model

The tritium transport model was calibrated in two dimensions with ground-water monitoring data from the upper portion of the unconfined aquifer. An earlier study (Eddy, Myers, and Raymond 1978) indicated that tritium concentrations are higher near the upper portion of the aquifer. By simulating tritium transport in two dimensions, the tritium concentrations are





**FIGURE 5.10.** Predicted Distribution of Tritium in the Unconfined Aquifer at the End of 1985



assumed to be uniform over the entire thickness of the unconfined aquifer. While the distribution of tritium concentrations may match the concentrations observed near the top of the aquifer, the amount of tritium in the model is overestimated.





## 6.0 REFERENCES

- Ahlstrom, S. W., H. P. Foote, R. C. Arnett, C. R. Cole, and R. J. Serne. 1977. Multicomponent Mass Transport Model: Theory and Numerical Implementation (Discrete-Parcel-Random-Walk Version). BNWL-2127, Pacific Northwest Laboratory, Richland, Washington.
- Ball, J. W., E. A. Jenne, and M. W. Cantrell. 1981. WATEQ3 A Geochemical Model with Uranium Added. Open-File Report 81-1183, U.S. Geological Survey, Menlo Park, California.
- Ball, J. W., D. K. Nordstrom, and E. A. Jenne. 1980. Additional and Revised Thermochemical Data and Computer Code for WATEQ2-A Computerized Chemical Model for Trace and Major Element Speciation and Mineral Equilibria of Natural Waters. Water Resources Investigations, WRI 78-116, U.S. Geological Survey, Menlo Park, California.
- Bierschenk, W. H. 1959. Aquifer Characteristics and Ground-Water Movement at Hanford. HW-60601, Hanford Atomic Products Operation, General Electric Company, Richland, Washington.
- Cearlock, D. B., K. L. Kipp, and D. R. Friedrichs. 1975. The Transmissivity Iterative Calculation Routine - Theory and Numerical Implementation. BNWL-1706, Pacific Northwest Laboratory, Richland, Washington.
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). 1980. Public Law 96-150, December 11, 1980, 94 Stat 2767, Title 26.
- Cooley, R. L. 1977. "A Method of Estimating Parameters and Assessing Reliability for Models of Steady State Groundwater Flow, 1, Theory and Numerical Properties." Water Resour. Res. 13(2):318-324.
- Cooley, R. L. 1979. "A Method of Estimating Parameters and Assessing Reliability for Models of Steady State Groundwater Flow, 2, Application of Statistical Analysis." Water Resour. Res. 15(3):603-617.
- Cooley, R. L. 1982. "Incorporation of Prior Information on Parameters Into Nonlinear Regression Groundwater Flow Models, 1, Theory." Water Resour. Res. 18(4):965-976.
- Cooley, R. L. 1983. "Incorporation of Prior Information on Parameters Into Nonlinear Groundwater Flow Models, 2, Applications." Water Resour. Res. 19(3):662-676.
- Deju, R. A., and W. K. Summers. 1975. Transmissivity and Hydraulic Conductivity of Saturated Sedimentary Rocks in the Hanford Reservation. CA-168-RAD-5, Atlantic Richfield Hanford Company, Richland, Washington.

- Dillon, K. L. 1985. Separations Area Water-Use Balance, 1977 Through 1984. RHO-RE-SR-50, Rockwell Hanford Operations, Richland, Washington.
- Early, T. O., S. H. Hall, and V. G. Johnson. 1988. "Tritium, Carbon-14 and Iodine-129 as Indicators for Localized Vertical Recharge Along an Anticline in the Columbia River Basalts Using a Decay-Corrected Mixing Model." Proceedings of Ground Water, Geochemistry Conference, pp. 597-620. National Water Well Association, Dublin, Ohio.
- Early, T. O., G. D. Spice, and M. D. Mitchell. 1986. A Hydrochemical Data Base for the Hanford Site, Washington. SD-BWI-DP-061, Rockwell Hanford Operations, Richland, Washington.
- Eddy, P. A., D. A. Myers, and J. R. Raymond. 1978. Vertical Contamination in the Unconfined Groundwater at the Hanford Site, Washington. PNL-2724, Pacific Northwest Laboratory, Richland, Washington.
- EPA. 1982. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 2nd ed., SW-846, Washington, D.C.
- EPA. 1986. Ground-Water Monitoring Technical Enforcement Guidance Document. OWSER 9950.1, U.S. Environmental Protection Agency, Washington, D.C.
- Evans, J. C., P. J. Mitchell, and D. I. Dennison. 1988. Hanford Site Ground-Water Monitoring for April Through June 1987. PNL-6315-1, Pacific Northwest Laboratory, Richland, Washington.
- Felmy, A. R., S. M. Brown, Y. Onishi, S. B. Yabusaki, and R. S. Argo. 1984. MEXAMS--The Metals Exposure Analysis Modeling System. EPA-600/3-84-031 (PB84-157155), Prepared by Battelle, Pacific Northwest Laboratories for the U.S. Environmental Protection Agency, Athens, Georgia.
- Felmy, A. R., D. C. Girvin, and E. A. Jenne. 1984. MINTEQ--A Computer Program for Calculating Aqueous Geochemical Equilibria. EPA-600/3-84-032 (PB84-157148), Prepared by Battelle, Pacific Northwest Laboratories for the U.S. Environmental Protection Agency, Athens, Georgia.
- Fetter, C. W., Jr. 1980. Applied Hydrology. Charles E. Merrill Publishing Company, Columbus, Ohio.
- Freshley, M. D., and M. J. Graham. 1988. Estimation of Ground-Water Travel Time at the Hanford Site: Description, Past Work, and Future Needs. PNL-6328, Pacific Northwest Laboratory, Richland, Washington.
- Friedrichs, D. R., C. R. Cole, and R. C. Arnett. 1977. Hanford Pathline Computational Program - Theory, Error Analysis and Applications. ARH-ST-149, Atlantic Richfield Hanford Company, Richland, Washington.
- Graham, M. J., M. D. Hall, S. R. Strait, and W. R. Brown. 1981. Hydrology of the Separations Area. RHO-ST-42, Rockwell Hanford Operations, Richland, Washington.



- Gupta, S. K., C. T. Kincaid, P. R. Meyer, C. A. Newbill, and C. R. Cole. 1982. A Multi-Dimensional Finite Element Code for the Analysis of Coupled Fluid, Energy and Solute Transport (CFEST). PNL-4260, Pacific Northwest Laboratory, Richland, Washington.
- Hinman, N. W., K. M. Krupka, and L. J. Criscenti. 1987. "Chemical Speciation and Mineral Solubility Controls in Hanford Site Ground Water." Eos Transactions, American Geophysical Union 68(44):1291.
- Interagency Working Group. 1987. Data Compilation: Iodine-129 in Hanford Groundwater. WHC-EP-0037, Westinghouse Hanford Company, Richland, Washington.
- Jacobson, E. A. 1985. A Statistical Parameter Estimation Method Using Singular Value Decomposition With Application to Avra Valley Aquifer in Southern Arizona. Dissertation, Department of Hydrology and Water Resources, University of Arizona, Tucson, Arizona.
- Jaquish, R. E., and P. J. Mitchell, eds. 1988. Environmental Monitoring at Hanford for 1987. PNL-6464, Pacific Northwest Laboratory, Richland, Washington.
- Kipp, K. L., and R. D. Mudd. 1973. Collection and Analysis of Pump Test Data for Transmissivity Values. BNWL-1709, Pacific Northwest Laboratory, Richland, Washington.
- Kipp, K. L., A. E. Reisenauer, C. R. Cole, and C. A. Bryan. 1972. Variable Thickness Transient Groundwater Flow Model, Theory and Numerical Implementation. BNWL-1703, Pacific Northwest Laboratory, Richland, Washington.
- Krupka, K. M., and E. A. Jenne. 1982. WATEQ3 Geochemical Model: Thermodynamic Data for Several Additional Solids. PNL-4276, Pacific Northwest Laboratory, Richland, Washington.
- Law, A. G., J. A. Serkowski, and A. L. Schatz. 1987. Results of the Separations Area Ground-Water Monitoring Network for 1986. RHO-RE-SR-87-24P, Rockwell Hanford Operations, Richland, Washington.
- Lindsay, W. L. 1979. Chemical Equilibria in Soils. John Wiley & Sons, New York.
- Neuman, S. P. 1980. "A Statistical Approach to the Inverse Problem of Aquifer Hydrology: 3. Improved Solution Method and Added Perspective." Water Resour. Res. 16(2):331-346.
- Neuman, S. P., and S. Yakowitz. 1979. "A Statistical Approach to the Inverse Problem of Aquifer Hydrology, 1, Theory." Water Resour. Res., 15(4):845-860.

- Pacific Northwest Laboratory. 1987. Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period July 1 to September 30, 1987. PNL-6469, Pacific Northwest Laboratory, Richland, Washington.
- Peterson, S. R., C. J. Hostetler, W. J. Deutsch, and C. E. Cowan. 1987. MINTEQ User's Manual. NUREG/CR-4808 (PNL-6106), Prepared for the U.S. Nuclear Regulatory Commission by the Pacific Northwest Laboratory, Richland, Washington.
- Prater, L. S., J. T. Rieger, C. S. Cline, E. J. Jensen, T. L. Liikala, K. R. Oster, and P. A. Eddy. 1984. Ground-Water Surveillance at the Hanford Site for CY 1983. PNL-5041, Pacific Northwest Laboratory, Richland, Washington.
- Price, K. R. 1986. Environmental Monitoring at Hanford for 1985. PNL-5817, Pacific Northwest Laboratory, Richland, Washington.
- Resource Conservation and Recovery Act of 1976 (RCRA). 1976. Public Law 94-580, October 21, 1976, 90 Stat. 2795, Title 42.
- Schatz, A. L., J. J. Ammerman, and J. A. Serkowski. 1987. Hanford Site Water Table Map June 1987. WHC-EP-0054, Westinghouse Hanford Company, Richland, Washington.
- Serkowski, J. A., A. G. Law, J. J. Ammerman, and A. L. Schatz. 1988. Results of Ground-Water Monitoring for Radionuclides in the Separations Area 1987. WHC-EP-0152, Westinghouse Hanford Company, Richland, Washington.
- Simmons, C. S., C. T. Kincaid, and A. E. Reisenauer. 1986. A Simplified Model for Radioactive Contaminant Transport: The Transs Code. PNL-6029, Pacific Northwest Laboratory, Richland, Washington.
- Sliger, G. J. 1980. Radioactive Liquid Waste Discharged to Ground in the 200 Areas During 1979. RHO-CD-79-34 4Q, Rockwell Hanford Operations, Richland, Washington.
- Smith, R. M. 1980. 216-B-5 Reverse Well Characterization Study. RHO-ST-37, Rockwell Hanford Operations, Richland, Washington.
- Soldat, J. K. 1976. "Radiation Doses from Iodine-129 in the Environment." Health Physics 30:61-70.
- Truesdell, A. H., and B. F. Jones. 1974. "WATEQ, A Computer Program for Calculating Chemical Equilibria of Natural Waters." J. Res. U.S. Geol. Survey 2(2):233-248.
- DOE. 1981a. "Environmental Protection, Safety, and Health Protection Program for DOE Operations." DOE Order 5480.1A, U.S. Department of Energy, Washington, D.C.



- DOE. 1981b. "Environmental Protection, Safety, and Health Protection Information Reporting Requirements." DOE Order 5484.1, Department of Energy Washington, D.C.
- DOE. 1986. Draft Phase I Installation Assessment of Inactive Waste-Disposal Sites At Hanford. Vol 1. Prepared for the U.S. Department of Energy by the Pacific Northwest Laboratory, Richland, Washington.
- USGS. 1977. National Handbook of Recommended Methods for Water-Data Acquisition. Office of Water Data Coordination, U.S. Geological Survey, Reston, Virginia.
- Washington State Department of Ecology. 1986. "Dangerous Waste Regulations." Washington Administrative Code, Chapter 173-303, Olympia, Washington.
- Washington State Department of Ecology. 1986. "Minimum Functional Standards for Solid Waste Handling." Washington Administrative Code, Chapter 173-304, Olympia, Washington.
- Westall J. C., J. L. Zachary, and F. M. M. Morel. 1976. MINEQL, A Computer Program for the Calculation of Chemical Equilibrium Composition of Aqueous Systems. Technical Note 18, Department of Civil Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- Yeh, W. W-G., and Y. S. Yoon. 1976. "A Systematic Optimization Procedure for the Identification of Inhomogeneous Aquifer Parameters." In Advances in Groundwater Hydrology, pp. 72-82, American Water Resources Association, Minneapolis, Minnesota.
- Zimmerman, D. A., A. E. Reisenauer, G. D. Black, and M. A. Young. 1986. Hanford Site Water Table Changes 1950 Through 1980-Data Observations and Evaluation. PNL-5506, Prepared for Rockwell Hanford Operations by Pacific Northwest Laboratory, Richland, Washington.





APPENDIX A

WATER LEVELS MEASURED DURING DECEMBER 1987

## APPENDIX A

WATER LEVELS MEASURED DURING DECEMBER 1987

| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 199-B4-1               | 12/17/87                           | 63.42                         | 398.38                                      | 461.80  |
| 199-D2-5               | 12/09/87                           | 74.17                         | 386.70                                      | 460.87  |
| 199-F5-1               | 12/09/87                           | 36.96                         | 369.60                                      | 406.56  |
| 199-H3-1               | 12/02/87                           | 45.89                         | 375.59                                      | 421.48  |
| 199-H3-1               | 12/09/87                           | 45.87                         | 375.61                                      | 421.48  |
| 199-H3-1               | 12/16/87                           | 45.88                         | 375.60                                      | 421.48  |
| 199-H3-1               | 12/28/87                           | 45.73                         | 375.75                                      | 421.48  |
| 199-H3-1               | 12/30/87                           | 45.80                         | 375.68                                      | 421.48  |
| 199-H3-2A              | 12/02/87                           | 42.66                         | 375.17                                      | 417.83  |
| 199-H3-2A              | 12/16/87                           | 42.55                         | 375.28                                      | 417.83  |
| 199-H3-2A              | 12/30/87                           | 42.40                         | 375.43                                      | 417.83  |
| 199-H3-2B              | 12/02/87                           | 43.26                         | 375.16                                      | 418.42  |
| 199-H3-2B              | 12/16/87                           | 43.16                         | 375.26                                      | 418.42  |
| 199-H3-2B              | 12/30/87                           | 42.90                         | 375.52                                      | 418.42  |
| 199-H3-2C              | 12/02/87                           | 43.21                         | 375.01                                      | 418.22  |
| 199-H3-2C              | 12/16/87                           | 42.98                         | 375.24                                      | 418.22  |
| 199-H3-2C              | 12/30/87                           | 42.89                         | 375.33                                      | 418.22  |
| 199-H4-10              | 12/02/87                           | 30.98                         | 373.46                                      | 404.44  |
| 199-H4-10              | 12/16/87                           | 30.00                         | 374.44                                      | 404.44  |
| 199-H4-10              | 12/30/87                           | 30.03                         | 374.41                                      | 404.44  |
| 199-H4-11              | 12/02/87                           | 44.05                         | 372.79                                      | 416.84  |
| 199-H4-11              | 12/16/87                           | 42.68                         | 374.16                                      | 416.84  |
| 199-H4-11              | 12/16/87                           | 42.68                         | 374.16                                      | 416.84  |
| 199-H4-11              | 12/30/87                           | 42.90                         | 373.94                                      | 416.84  |
| 199-H4-12A             | 12/02/87                           | 40.25                         | 373.25                                      | 413.50  |
| 199-H4-12A             | 12/15/87                           | 39.80                         | 373.70                                      | 413.50  |
| 199-H4-12A             | 12/16/87                           | 39.25                         | 374.25                                      | 413.50  |
| 199-H4-12A             | 12/30/87                           | 39.20                         | 374.30                                      | 413.50  |
| 199-H4-12B             | 12/02/87                           | 40.27                         | 373.25                                      | 413.52  |
| 199-H4-12B             | 12/15/87                           | 39.78                         | 373.74                                      | 413.52  |
| 199-H4-12B             | 12/16/87                           | 39.27                         | 374.25                                      | 413.52  |
| 199-H4-12B             | 12/30/87                           | 39.21                         | 374.31                                      | 413.52  |
| 199-H4-12C             | 12/02/87                           | 40.52                         | 373.00                                      | 413.52  |
| 199-H4-12C             | 12/15/87                           | 39.55                         | 373.97                                      | 413.52  |
| 199-H4-12C             | 12/16/87                           | 38.85                         | 374.67                                      | 413.52  |
| 199-H4-12C             | 12/30/87                           | 39.74                         | 373.78                                      | 413.52  |
| 199-H4-13              | 12/02/87                           | 45.69                         | 372.51                                      | 418.20  |
| 199-H4-13              | 12/16/87                           | 44.05                         | 374.15                                      | 418.20  |
| 199-H4-13              | 12/16/87                           | 44.11                         | 374.09                                      | 418.20  |
| 199-H4-13              | 12/30/87                           | 44.51                         | 373.69                                      | 418.20  |
| 199-H4-14              | 12/02/87                           | 45.77                         | 374.82                                      | 420.59  |



| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 199-H4-14              | 12/16/87                           | 45.61                         | 374.98                                      | 420.59  |
| 199-H4-14              | 12/30/87                           | 45.44                         | 375.15                                      | 420.59  |
| 199-H4-15A             | 12/02/87                           | 33.82                         | 373.39                                      | 407.21  |
| 199-H4-15A             | 12/14/87                           | 33.28                         | 373.93                                      | 407.21  |
| 199-H4-15A             | 12/16/87                           | 32.74                         | 374.47                                      | 407.21  |
| 199-H4-15A             | 12/30/87                           | 32.86                         | 374.35                                      | 407.21  |
| 199-H4-15B             | 12/02/87                           | 33.52                         | 373.40                                      | 406.92  |
| 199-H4-15B             | 12/14/87                           | 32.94                         | 373.98                                      | 406.92  |
| 199-H4-15B             | 12/16/87                           | 32.45                         | 374.47                                      | 406.92  |
| 199-H4-15B             | 12/30/87                           | 32.58                         | 374.34                                      | 406.92  |
| 199-H4-15CQ            | 12/02/87                           | 18.46                         | 388.81                                      | 407.27  |
| 199-H4-15CQ            | 12/16/87                           | 17.81                         | 389.46                                      | 407.27  |
| 199-H4-15CQ            | 12/30/87                           | 18.15                         | 389.12                                      | 407.27  |
| 199-H4-15CR            | 12/02/87                           | 34.00                         | 373.37                                      | 407.37  |
| 199-H4-15CR            | 12/16/87                           | 33.79                         | 373.58                                      | 407.37  |
| 199-H4-15CR            | 12/30/87                           | 33.46                         | 373.91                                      | 407.37  |
| 199-H4-15CS            | 12/02/87                           | 34.20                         | 373.24                                      | 407.44  |
| 199-H4-15CS            | 12/16/87                           | 32.61                         | 374.83                                      | 407.44  |
| 199-H4-15CS            | 12/30/87                           | 33.42                         | 374.02                                      | 407.44  |
| 199-H4-16              | 12/02/87                           | 50.00                         | 374.23                                      | 424.23  |
| 199-H4-16              | 12/16/87                           | 49.79                         | 374.44                                      | 424.23  |
| 199-H4-16              | 12/23/87                           | 49.64                         | 374.59                                      | 424.23  |
| 199-H4-16              | 12/30/87                           | 49.59                         | 374.64                                      | 424.23  |
| 199-H4-17              | 12/02/87                           | 45.28                         | 373.81                                      | 419.09  |
| 199-H4-17              | 12/16/87                           | 44.89                         | 374.20                                      | 419.09  |
| 199-H4-17              | 12/28/87                           | 44.73                         | 374.36                                      | 419.09  |
| 199-H4-17              | 12/30/87                           | 44.53                         | 374.56                                      | 419.09  |
| 199-H4-18              | 12/02/87                           | 48.03                         | 373.79                                      | 421.82  |
| 199-H4-18              | 12/16/87                           | 47.65                         | 374.17                                      | 421.82  |
| 199-H4-18              | 12/23/87                           | 47.35                         | 374.47                                      | 421.82  |
| 199-H4-18              | 12/30/87                           | 47.37                         | 374.45                                      | 421.82  |
| 199-H4-3               | 12/02/87                           | 46.65                         | 373.70                                      | 420.35  |
| 199-H4-3               | 12/16/87                           | 46.21                         | 374.14                                      | 420.35  |
| 199-H4-3               | 12/30/87                           | 46.93                         | 373.42                                      | 420.35  |
| 199-H4-4               | 12/02/87                           | 40.61                         | 373.15                                      | 413.76  |
| 199-H4-4               | 12/16/87                           | 39.58                         | 374.18                                      | 413.76  |
| 199-H4-4               | 12/30/87                           | 39.51                         | 374.25                                      | 413.76  |
| 199-H4-5               | 12/02/87                           | 42.82                         | 373.44                                      | 416.26  |
| 199-H4-5               | 12/16/87                           | 42.28                         | 373.98                                      | 416.26  |
| 199-H4-5               | 12/17/87                           | 42.01                         | 374.25                                      | 416.26  |
| 199-H4-6               | 12/02/87                           | 44.41                         | 375.17                                      | 419.58  |
| 199-H4-6               | 12/16/87                           | 44.30                         | 375.28                                      | 419.58  |
| 199-H4-6               | 12/30/87                           | 44.14                         | 375.44                                      | 419.58  |
| 199-H4-7               | 12/02/87                           | 46.31                         | 374.28                                      | 420.59  |
| 199-H4-7               | 12/16/87                           | 46.06                         | 374.53                                      | 420.59  |
| 199-H4-7               | 12/30/87                           | 45.81                         | 374.78                                      | 420.59  |
| 199-H4-8               | 12/02/87                           | 46.13                         | 373.87                                      | 420.00  |
| 199-H4-8               | 12/16/87                           | 45.77                         | 374.23                                      | 420.00  |

| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 199-H4-8           | 12/30/87                   | 45.45                     | 374.55                              | 420.00                                |
| 199-H4-9           | 12/02/87                   | 44.50                     | 373.58                              | 418.08                                |
| 199-H4-9           | 12/16/87                   | 44.13                     | 373.95                              | 418.08                                |
| 199-H4-9           | 12/28/87                   | 43.85                     | 374.23                              | 418.08                                |
| 199-H4-9           | 12/30/87                   | 43.70                     | 374.38                              | 418.08                                |
| 199-K-11           | 12/17/87                   | 74.13                     | 393.53                              | 467.66                                |
| 199-N-14           | 12/16/87                   | 65.94                     | 387.21                              | 453.15                                |
| 199-N-27           | 12/14/87                   | 54.00                     | 395.08                              | 449.08                                |
| 199-N-4            | 12/16/87                   | 64.38                     | 394.35                              | 458.73                                |
| 299-E13-10         | 12/11/87                   | 333.91                    | 399.84                              | 733.75                                |
| 299-E13-12         | 12/12/87                   | 328.10                    | 403.24                              | 731.34                                |
| 299-E13-14         | 12/11/87                   | 340.09                    | 402.76                              | 742.85                                |
| 299-E17-5          | 12/28/87                   | 314.09                    | 404.56                              | 718.65                                |
| 299-E23-1          | 12/28/87                   | 304.28                    | 405.37                              | 709.65                                |
| 299-E23-20         | 12/28/87                   | 315.82                    | 405.44                              | 721.26                                |
| 299-E24-2          | 12/28/87                   | 312.59                    | 404.60                              | 717.19                                |
| 299-E24-4          | 12/09/87                   | 291.55                    | 405.45                              | 697.00                                |
| 299-E25-11         | 12/14/87                   | 275.76                    | 405.52                              | 681.28                                |
| 299-E25-19         | 12/14/87                   | 272.03                    | 405.17                              | 677.20                                |
| 299-E25-21         | 12/14/87                   | 271.61                    | 405.66                              | 677.27                                |
| 299-E25-25         | 12/10/87                   | 262.78                    | 406.64                              | 669.42                                |
| 299-E25-26         | 12/04/87                   | 262.38                    | 406.17                              | 668.55                                |
| 299-E25-27         | 12/14/87                   | 269.98                    | 404.08                              | 674.06                                |
| 299-E25-4          | 12/11/87                   | 252.99                    | 406.40                              | 659.39                                |
| 299-E26-1          | 12/08/87                   | 211.18                    | 406.07                              | 617.25                                |
| 299-E26-2          | 12/11/87                   | 227.64                    | 405.96                              | 633.60                                |
| 299-E26-4          | 12/11/87                   | 240.15                    | 405.67                              | 645.82                                |
| 299-E27-1          | 12/08/87                   | 275.52                    | 405.53                              | 681.05                                |
| 299-E27-10         | 12/02/87                   | 218.75                    | 405.72                              | 624.47                                |
| 299-E27-10         | 12/11/87                   | 218.84                    | 405.63                              | 624.47                                |
| 299-E27-8          | 12/02/87                   | 232.66                    | 405.17                              | 637.83                                |
| 299-E27-8          | 12/11/87                   | 232.78                    | 405.05                              | 637.83                                |
| 299-E27-9          | 12/02/87                   | 223.90                    | 405.31                              | 629.21                                |
| 299-E27-9          | 12/11/87                   | 223.98                    | 405.23                              | 629.21                                |
| 299-E28-12         | 12/28/87                   | 302.91                    | 405.69                              | 708.60                                |
| 299-E28-18         | 12/08/87                   | 287.38                    | 405.20                              | 692.58                                |
| 299-E28-26         | 12/02/87                   | 282.39                    | 404.87                              | 687.26                                |
| 299-E28-26         | 12/11/87                   | 282.39                    | 404.87                              | 687.26                                |
| 299-E28-27         | 12/02/87                   | 275.47                    | 404.90                              | 680.37                                |
| 299-E28-27         | 12/11/87                   | 275.61                    | 404.76                              | 680.37                                |
| 299-E28-7          | 12/08/87                   | 281.30                    | 404.61                              | 685.91                                |
| 299-E32-1          | 12/08/87                   | 251.07                    | 405.10                              | 656.17                                |
| 299-E32-2          | 12/02/87                   | 265.39                    | 404.67                              | 670.06                                |
| 299-E32-2          | 12/11/87                   | 265.45                    | 404.61                              | 670.06                                |
| 299-E32-3          | 12/02/87                   | 271.76                    | 404.75                              | 676.51                                |
| 299-E32-3          | 12/11/87                   | 271.84                    | 404.67                              | 676.51                                |
| 299-E32-4          | 12/02/87                   | 281.24                    | 404.64                              | 685.88                                |
| 299-E32-4          | 12/11/87                   | 281.33                    | 404.55                              | 685.88                                |



| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 299-E33-14             | 12/08/87                           | 214.98                        | 407.14                                      | 622.12  |
| 299-E33-17             | 12/11/87                           | 226.65                        | 405.00                                      | 631.65  |
| 299-E33-21             | 12/08/87                           | 263.13                        | 400.30                                      | 663.43  |
| 299-E33-28             | 12/02/87                           | 259.30                        | 404.93                                      | 664.23  |
| 299-E33-28             | 12/11/87                           | 259.36                        | 404.87                                      | 664.23  |
| 299-E33-29             | 12/02/87                           | 268.98                        | 404.79                                      | 673.77  |
| 299-E33-29             | 12/11/87                           | 268.99                        | 404.78                                      | 673.77  |
| 299-E33-30             | 12/02/87                           | 258.87                        | 404.83                                      | 663.70  |
| 299-E33-30             | 12/11/87                           | 258.89                        | 404.81                                      | 663.70  |
| 299-E33-7              | 12/11/87                           | 221.82                        | 404.76                                      | 626.58  |
| 299-E33-8              | 12/08/87                           | 245.76                        | 402.27                                      | 648.03  |
| 299-E34-1              | 12/08/87                           | 224.00                        | 405.42                                      | 629.42  |
| 299-E34-3              | 12/02/87                           | 205.73                        | 405.79                                      | 611.52  |
| 299-E34-3              | 12/11/87                           | 205.80                        | 405.72                                      | 611.52  |
| 299-E34-5              | 12/02/87                           | 184.60                        | 406.19                                      | 590.79  |
| 299-E34-5              | 12/11/87                           | 184.66                        | 406.13                                      | 590.79  |
| 299-E34-5              | 12/11/87                           | 184.67                        | 406.12                                      | 590.79  |
| 299-E34-6              | 12/02/87                           | 192.71                        | 405.12                                      | 597.83  |
| 299-E34-6              | 12/11/87                           | 192.80                        | 405.03                                      | 597.83  |
| 299-E34-6              | 12/11/87                           | 192.80                        | 405.03                                      | 597.83  |
| 299-W10-13             | 12/10/87                           | 232.11                        | 466.93                                      | 699.04  |
| 299-W10-14             | 12/10/87                           | 232.90                        | 466.53                                      | 699.43  |
| 299-W10-2              | 12/11/87                           | 207.63                        | 466.70                                      | 674.33  |
| 299-W10-5              | 12/11/87                           | 205.02                        | 467.29                                      | 672.31  |
| 299-W10-8              | 12/15/87                           | 213.39                        | 466.94                                      | 680.33  |
| 299-W11-10             | 12/11/87                           | 270.77                        | 458.12                                      | 728.89  |
| 299-W11-12             | 12/11/87                           | 213.03                        | 466.55                                      | 679.58  |
| 299-W11-13             | 12/11/87                           | 224.96                        | 467.05                                      | 692.01  |
| 299-W11-23             | 12/15/87                           | 219.52                        | 466.34                                      | 685.86  |
| 299-W11-7              | 12/15/87                           | 243.64                        | 465.47                                      | 709.11  |
| 299-W11-9              | 12/11/87                           | 262.22                        | 460.72                                      | 722.94  |
| 299-W12-1              | 12/11/87                           | 273.43                        | 453.03                                      | 726.46  |
| 299-W14-1              | 12/11/87                           | 200.94                        | 464.89                                      | 665.83  |
| 299-W15-15             | 12/10/87                           | 228.32                        | 469.64                                      | 697.96  |
| 299-W15-16             | 12/10/87                           | 214.51                        | 470.38                                      | 684.89  |
| 299-W15-17             | 12/10/87                           | 214.71                        | 469.93                                      | 684.64  |
| 299-W15-18             | 12/10/87                           | 214.81                        | 470.90                                      | 685.71  |
| 299-W15-2              | 12/15/87                           | 225.07                        | 465.64                                      | 690.71  |
| 299-W15-4              | 12/11/87                           | 192.25                        | 469.75                                      | 662.00  |
| 299-W15-5              | 12/11/87                           | 197.68                        | 473.00                                      | 670.68  |
| 299-W18-15             | 12/14/87                           | 188.44                        | 472.32                                      | 660.76  |
| 299-W18-21             | 12/10/87                           | 198.54                        | 470.08                                      | 668.62  |
| 299-W18-22             | 12/10/87                           | 199.17                        | 469.32                                      | 668.49  |
| 299-W18-23             | 12/10/87                           | 226.74                        | 470.07                                      | 696.81  |
| 299-W18-24             | 12/10/87                           | 213.14                        | 471.21                                      | 684.35  |
| 299-W19-1              | 12/14/87                           | 199.33                        | 474.44                                      | 673.77  |
| 299-W19-13             | 12/14/87                           | 227.58                        | 243.69                                      | 471.27  |
| 299-W19-14             | 12/14/87                           | 225.50                        | 246.03                                      | 471.53  |

| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 299-W19-15         | 12/14/87                   | 224.96                    | 468.32                              | 693.28                                |
| 299-W19-2          | 12/14/87                   | 231.32                    | 462.72                              | 694.04                                |
| 299-W19-3          | 12/15/87                   | 227.17                    | 467.95                              | 695.12                                |
| 299-W19-4          | 12/14/87                   | 252.94                    | 462.32                              | 715.26                                |
| 299-W21-1          | 12/09/87                   | 241.12                    | 458.14                              | 699.26                                |
| 299-W22-17         | 12/15/87                   | 204.30                    | 467.70                              | 672.00                                |
| 299-W22-22         | 12/14/87                   | 228.21                    | 462.17                              | 690.38                                |
| 299-W22-7          | 12/14/87                   | 224.94                    | 462.47                              | 687.41                                |
| 299-W23-11         | 12/11/87                   | 195.53                    | 468.61                              | 664.14                                |
| 299-W23-4          | 12/14/87                   | 190.49                    | 472.33                              | 662.82                                |
| 299-W6-2           | 12/10/87                   | 230.47                    | 461.98                              | 692.45                                |
| 299-W7-1           | 12/10/87                   | 228.61                    | 462.10                              | 690.71                                |
| 299-W7-2           | 12/10/87                   | 214.48                    | 461.11                              | 675.59                                |
| 299-W7-3           | 12/10/87                   | 216.28                    | 459.86                              | 676.14                                |
| 299-W7-4           | 12/10/87                   | 208.35                    | 463.34                              | 671.69                                |
| 299-W7-5           | 12/10/87                   | 210.51                    | 460.63                              | 671.14                                |
| 299-W7-6           | 12/10/87                   | 218.03                    | 460.61                              | 678.64                                |
| 299-W8-1           | 12/10/87                   | 238.82                    | 462.51                              | 701.33                                |
| 299-W9-1           | 12/10/87                   | 272.09                    | 465.64                              | 737.73                                |
| 399-1-1            | 12/29/87                   | 32.66                     | 343.24                              | 375.90                                |
| 399-1-10           | 12/29/87                   | 30.33                     | 343.32                              | 373.65                                |
| 399-1-11           | 12/03/87                   | 34.77                     | 343.02                              | 377.79                                |
| 399-1-11           | 12/09/87                   | 34.54                     | 343.25                              | 377.79                                |
| 399-1-11           | 12/18/87                   | 38.13                     | 339.66                              | 377.79                                |
| 399-1-11           | 12/29/87                   | 34.31                     | 343.48                              | 377.79                                |
| 399-1-11           | 12/30/87                   | 34.13                     | 343.66                              | 377.79                                |
| 399-1-12           | 12/29/87                   | 41.54                     | 342.91                              | 384.45                                |
| 399-1-13           | 12/29/87                   | 45.69                     | 342.93                              | 388.62                                |
| 399-1-14           | 12/29/87                   | 39.63                     | 343.60                              | 383.23                                |
| 399-1-15           | 12/29/87                   | 35.90                     | 343.69                              | 379.59                                |
| 399-1-16A          | 12/29/87                   | 38.66                     | 342.85                              | 381.51                                |
| 399-1-16B          | 12/29/87                   | 37.95                     | 343.19                              | 381.14                                |
| 399-1-16C          | 12/29/87                   | 39.06                     | 343.23                              | 382.29                                |
| 399-1-16D          | 12/29/87                   | 38.26                     | 343.79                              | 382.05                                |
| 399-1-17A          | 12/29/87                   | 34.69                     | 342.78                              | 377.47                                |
| 399-1-17B          | 12/29/87                   | 34.93                     | 342.94                              | 377.87                                |
| 399-1-17C          | 12/29/87                   | 2.67                      | 375.46                              | 378.13                                |
| 399-1-18A          | 12/29/87                   | 46.89                     | 343.94                              | 390.83                                |
| 399-1-18B          | 12/29/87                   | 45.89                     | 344.05                              | 389.94                                |
| 399-1-18C          | 12/29/87                   | 43.58                     | 344.47                              | 388.05                                |
| 399-1-19           | 12/03/87                   | 22.11                     | 352.53                              | 374.64                                |
| 399-1-19           | 12/09/87                   | 32.05                     | 342.59                              | 374.64                                |
| 399-1-19           | 12/18/87                   | 31.15                     | 343.49                              | 374.64                                |
| 399-1-19           | 12/29/87                   | 31.76                     | 342.88                              | 374.64                                |
| 399-1-19           | 12/30/87                   | 31.56                     | 343.08                              | 374.64                                |
| 399-1-2            | 12/29/87                   | 41.72                     | 342.80                              | 384.52                                |
| 399-1-3            | 12/29/87                   | 41.88                     | 342.85                              | 384.73                                |
| 399-1-4            | 12/29/87                   | 37.00                     | 344.11                              | 381.11                                |



| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 399-1-5                | 12/29/87                           | 36.69                         | 343.13                                      | 379.82  |
| 399-1-6                | 12/29/87                           | 30.25                         | 343.56                                      | 373.81  |
| 399-1-7                | 12/29/87                           | 42.71                         | 342.92                                      | 385.63  |
| 399-1-8                | 12/29/87                           | 42.11                         | 342.80                                      | 384.91  |
| 399-1-9                | 12/29/87                           | 10.26                         | 374.54                                      | 384.80  |
| 399-2-1                | 12/29/87                           | 32.53                         | 342.73                                      | 375.26  |
| 399-2-2                | 12/29/87                           | 32.72                         | 342.81                                      | 375.53  |
| 399-2-3                | 12/29/87                           | 32.52                         | 342.92                                      | 375.44  |
| 399-3-1                | 12/29/87                           | 41.80                         | 342.63                                      | 384.43  |
| 399-3-10               | 12/29/87                           | 42.83                         | 342.57                                      | 385.40  |
| 399-3-12               | 12/29/87                           | 43.70                         | 342.68                                      | 386.38  |
| 399-3-2                | 12/29/87                           | 49.87                         | 342.49                                      | 392.36  |
| 399-3-6                | 12/29/87                           | 50.31                         | 342.54                                      | 392.85  |
| 399-3-7                | 12/29/87                           | 51.66                         | 342.56                                      | 394.22  |
| 399-3-9                | 12/29/87                           | 44.64                         | 342.67                                      | 387.31  |
| 399-4-1                | 12/29/87                           | 52.60                         | 342.40                                      | 395.00  |
| 399-4-10               | 12/29/87                           | 35.00                         | 342.59                                      | 377.59  |
| 399-4-11               | 12/29/87                           | 62.08                         | 342.45                                      | 404.53  |
| 399-4-7                | 12/29/87                           | 34.46                         | 342.53                                      | 376.99  |
| 399-4-9                | 12/29/87                           | 38.80                         | 342.60                                      | 381.40  |
| 399-5-1                | 12/29/87                           | 53.12                         | 342.48                                      | 395.60  |
| 399-6-1                | 12/29/87                           | 44.17                         | 342.76                                      | 386.93  |
| 399-8-1                | 12/04/87                           | 52.39                         | 342.49                                      | 394.88  |
| 399-8-1                | 12/29/87                           | 52.00                         | 342.88                                      | 394.88  |
| 399-8-2                | 12/29/87                           | 52.75                         | 343.31                                      | 396.06  |
| 399-8-3                | 12/29/87                           | 49.91                         | 343.20                                      | 393.11  |
| 699-10-54A             | 12/16/87                           | 103.42                        | 412.98                                      | 516.40  |
| 699-10-E12             | 12/07/87                           | 73.65                         | 357.21                                      | 430.86  |
| 699-101-48B            | 12/21/87                           | 42.59                         | 347.56                                      | 390.15  |
| 699-11-45A             | 12/16/87                           | 167.44                        | 411.14                                      | 578.58  |
| 699-14-38              | 12/15/87                           | 110.96                        | 403.93                                      | 514.89  |
| 699-14-47              | 12/16/87                           | 175.73                        | 411.50                                      | 587.23  |
| 699-14-E6T             | 12/07/87                           | 93.09                         | 365.29                                      | 458.38  |
| 699-15-15A             | 12/11/87                           | 148.63                        | 398.51                                      | 547.14  |
| 699-15-26              | 12/16/87                           | 121.65                        | 402.18                                      | 523.83  |
| 699-17-5               | 12/08/87                           | 45.18                         | 388.01                                      | 433.19  |
| 699-17-70              | 12/21/87                           | 89.04                         | 474.14                                      | 563.18  |
| 699-19-43              | 12/16/87                           | 146.59                        | 404.99                                      | 551.58  |
| 699-2-3                | 12/04/87                           | 87.55                         | 389.59                                      | 477.14  |
| 699-20-20              | 12/16/87                           | 103.17                        | 402.41                                      | 505.58  |
| 699-20-39              | 12/15/87                           | 135.30                        | 404.68                                      | 539.98  |
| 699-20-E12             | 12/07/87                           | 79.71                         | 357.54                                      | 437.25  |
| 699-24-1T              | 12/07/87                           | 99.29                         | 376.25                                      | 475.54  |
| 699-24-33              | 12/07/87                           | 119.95                        | 404.26                                      | 524.21  |
| 699-25-55              | 12/11/87                           | 263.38                        | 413.17                                      | 676.55  |
| 699-25-70              | 12/11/87                           | 180.61                        | 449.17                                      | 629.78  |
| 699-25-70              | 12/14/87                           | 179.79                        | 449.99                                      | 629.78  |
| 699-25-70              | 12/21/87                           | 179.91                        | 449.87                                      | 629.78  |

| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 699-26-15A         | 12/07/87                   | 43.12                     | 399.52                              | 442.64                                |
| 699-27-8           | 12/08/87                   | 70.64                     | 395.03                              | 465.67                                |
| 699-28-40          | 12/07/87                   | 154.69                    | 404.75                              | 559.44                                |
| 699-28-52A         | 12/11/87                   | 278.76                    | 405.91                              | 684.67                                |
| 699-29-78          | 12/11/87                   | 182.01                    | 465.04                              | 647.05                                |
| 699-29-78          | 12/14/87                   | 181.07                    | 465.98                              | 647.05                                |
| 699-29-78          | 12/21/87                   | 181.41                    | 465.64                              | 647.05                                |
| 699-3-45           | 12/21/87                   | 93.46                     | 411.08                              | 504.54                                |
| 699-31-31          | 12/11/87                   | 125.04                    | 404.28                              | 529.32                                |
| 699-32-22          | 12/11/87                   | 115.45                    | 402.10                              | 517.55                                |
| 699-32-43          | 12/07/87                   | 111.68                    | 404.94                              | 516.62                                |
| 699-32-43          | 12/11/87                   | 111.68                    | 404.94                              | 516.62                                |
| 699-32-62          | 12/11/87                   | 276.95                    | 430.14                              | 707.09                                |
| 699-32-70B         | 12/10/87                   | 213.66                    | 453.02                              | 666.68                                |
| 699-32-70B         | 12/14/87                   | 213.45                    | 453.23                              | 666.68                                |
| 699-32-72          | 12/10/87                   | 212.69                    | 455.47                              | 668.16                                |
| 699-32-72          | 12/14/87                   | 212.50                    | 455.66                              | 668.16                                |
| 699-32-77          | 12/11/87                   | 190.16                    | 463.58                              | 653.74                                |
| 699-32-77          | 12/15/87                   | 189.27                    | 464.47                              | 653.74                                |
| 699-32-77          | 12/21/87                   | 189.44                    | 464.30                              | 653.74                                |
| 699-33-42          | 12/07/87                   | 110.99                    | 405.01                              | 516.00                                |
| 699-33-42          | 12/11/87                   | 110.99                    | 405.01                              | 516.00                                |
| 699-33-56          | 12/11/87                   | 311.33                    | 405.70                              | 717.03                                |
| 699-34-39A         | 12/07/87                   | 132.15                    | 404.92                              | 537.07                                |
| 699-34-39A         | 12/11/87                   | 132.18                    | 404.89                              | 537.07                                |
| 699-34-41B         | 12/07/87                   | 165.88                    | 405.01                              | 570.89                                |
| 699-34-41B         | 12/11/87                   | 165.88                    | 405.01                              | 570.89                                |
| 699-34-42          | 12/07/87                   | 135.18                    | 405.02                              | 540.20                                |
| 699-34-42          | 12/11/87                   | 135.18                    | 405.02                              | 540.20                                |
| 699-34-51          | 12/11/87                   | 331.38                    | 405.38                              | 736.76                                |
| 699-34-88          | 12/15/87                   | 161.49                    | 471.33                              | 632.82                                |
| 699-35-66          | 12/01/87                   | 284.13                    | 441.52                              | 725.65                                |
| 699-35-66          | 12/03/87                   | 285.23                    | 440.42                              | 725.65                                |
| 699-35-70          | 12/10/87                   | 240.77                    | 452.95                              | 693.72                                |
| 699-35-70          | 12/14/87                   | 240.54                    | 453.18                              | 693.72                                |
| 699-35-78A         | 12/11/87                   | 192.29                    | 468.36                              | 660.65                                |
| 699-35-78A         | 12/15/87                   | 191.49                    | 469.16                              | 660.65                                |
| 699-35-78A         | 12/21/87                   | 191.63                    | 469.02                              | 660.65                                |
| 699-35-9           | 12/07/87                   | 113.45                    | 386.38                              | 499.83                                |
| 699-36-61A         | 12/10/87                   | 339.07                    | 409.04                              | 748.11                                |
| 699-36-61A         | 12/28/87                   | 338.53                    | 409.58                              | 748.11                                |
| 699-36-93          | 12/21/87                   | 171.31                    | 473.46                              | 644.77                                |
| 699-37-43          | 12/11/87                   | 284.54                    | 405.63                              | 690.17                                |
| 699-37-82A         | 12/11/87                   | 168.09                    | 468.66                              | 636.75                                |
| 699-37-82A         | 12/15/87                   | 167.37                    | 469.38                              | 636.75                                |
| 699-37-82A         | 12/21/87                   | 167.52                    | 469.23                              | 636.75                                |
| 699-38-65          | 12/03/87                   | 322.10                    | 431.23                              | 753.33                                |
| 699-38-70          | 12/01/87                   | 253.47                    | 457.20                              | 710.67                                |



| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 699-38-70          | 12/10/87                   | 255.73                    | 454.94                              | 710.67                                |
| 699-38-70          | 12/14/87                   | 255.51                    | 455.16                              | 710.67                                |
| 699-39-39          | 12/08/87                   | 124.03                    | 412.62                              | 536.65                                |
| 699-39-79          | 12/14/87                   | 203.70                    | 469.82                              | 673.52                                |
| 699-40-1           | 12/07/87                   | 75.62                     | 363.09                              | 438.71                                |
| 699-40-33A         | 12/07/87                   | 107.03                    | 411.02                              | 518.05                                |
| 699-40-62          | 12/08/87                   | 340.30                    | 407.48                              | 747.78                                |
| 699-41-23          | 12/18/87                   | 67.51                     | 398.99                              | 466.50                                |
| 699-42-12A         | 12/07/87                   | 138.15                    | 376.12                              | 514.27                                |
| 699-42-40B         | 12/10/87                   | 123.40                    | 423.06                              | 546.46                                |
| 699-43-104         | 12/18/87                   | 262.91                    | 503.16                              | 766.07                                |
| 699-43-42A         | 12/10/87                   | 144.54                    | 419.94                              | 564.48                                |
| 699-43-89          | 12/15/87                   | 176.09                    | 468.06                              | 644.15                                |
| 699-44-64          | 12/10/87                   | 317.69                    | 407.91                              | 725.60                                |
| 699-45-42          | 12/08/87                   | 158.76                    | 418.57                              | 577.33                                |
| 699-45-69A         | 12/08/87                   | 275.69                    | 449.77                              | 725.46                                |
| 699-45-69A         | 12/15/87                   | 275.61                    | 449.85                              | 725.46                                |
| 699-46-21B         | 12/17/87                   | 130.73                    | 391.29                              | 522.02                                |
| 699-47-35B         | 12/08/87                   | 63.11                     | 413.54                              | 476.65                                |
| 699-47-46A         | 12/08/87                   | 173.56                    | 406.58                              | 580.14                                |
| 699-47-60          | 12/08/87                   | 245.21                    | 404.63                              | 649.84                                |
| 699-47-60          | 12/10/87                   | 245.21                    | 404.63                              | 649.84                                |
| 699-48-7           | 12/07/87                   | 30.42                     | 354.30                              | 384.72                                |
| 699-48-71          | 12/08/87                   | 240.59                    | 447.56                              | 688.15                                |
| 699-48-71          | 12/15/87                   | 240.56                    | 447.59                              | 688.15                                |
| 699-49-13E         | 12/07/87                   | 51.52                     | 361.20                              | 412.72                                |
| 699-49-28          | 12/07/87                   | 141.72                    | 393.68                              | 535.40                                |
| 699-49-55A         | 12/07/87                   | 125.24                    | 404.90                              | 530.14                                |
| 699-49-55A         | 12/10/87                   | 125.25                    | 404.89                              | 530.14                                |
| 699-49-57          | 12/07/87                   | 148.05                    | 404.76                              | 552.81                                |
| 699-49-57          | 12/10/87                   | 148.05                    | 404.76                              | 552.81                                |
| 699-49-79          | 12/08/87                   | 230.75                    | 458.45                              | 689.20                                |
| 699-49-79          | 12/14/87                   | 230.65                    | 458.55                              | 689.20                                |
| 699-50-28B         | 12/07/87                   | 144.03                    | 393.27                              | 537.30                                |
| 699-50-30          | 12/07/87                   | 135.41                    | 393.43                              | 528.84                                |
| 699-50-42          | 12/07/87                   | 55.67                     | 411.17                              | 466.84                                |
| 699-50-53          | 12/07/87                   | 151.63                    | 404.67                              | 556.30                                |
| 699-50-53          | 12/07/87                   | 151.50                    | 404.80                              | 556.30                                |
| 699-50-53          | 12/09/87                   | 151.45                    | 404.85                              | 556.30                                |
| 699-50-85          | 12/08/87                   | 282.56                    | 456.79                              | 739.35                                |
| 699-50-85          | 12/14/87                   | 282.36                    | 456.99                              | 739.35                                |
| 699-51-63          | 12/08/87                   | 165.16                    | 406.68                              | 571.84                                |
| 699-51-63          | 12/10/87                   | 165.16                    | 406.68                              | 571.84                                |
| 699-51-75          | 12/08/87                   | 190.63                    | 450.88                              | 641.51                                |
| 699-51-75          | 12/14/87                   | 190.55                    | 450.96                              | 641.51                                |
| 699-52-19          | 12/07/87                   | 49.62                     | 361.46                              | 411.08                                |
| 699-53-35          | 12/07/87                   | 134.44                    | 396.55                              | 530.99                                |
| 699-53-35          | 12/10/87                   | 134.47                    | 396.52                              | 530.99                                |

| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 699-53-47A         | 12/07/87                   | 31.71                     | 406.57                              | 438.28                                |
| 699-53-47A         | 12/10/87                   | 31.73                     | 406.55                              | 438.28                                |
| 699-53-478         | 12/07/87                   | 32.02                     | 406.56                              | 438.58                                |
| 699-53-47B         | 12/10/87                   | 32.04                     | 406.54                              | 438.58                                |
| 699-53-48A         | 12/07/87                   | 37.48                     | 404.97                              | 442.45                                |
| 699-53-48A         | 12/10/87                   | 37.54                     | 404.91                              | 442.45                                |
| 699-53-48B         | 12/07/87                   | 39.21                     | 403.50                              | 442.71                                |
| 699-53-48B         | 12/10/87                   | 38.17                     | 404.54                              | 442.71                                |
| 699-53-55B         | 12/07/87                   | 172.39                    | 403.77                              | 576.16                                |
| 699-53-55B         | 12/10/87                   | 172.42                    | 403.74                              | 576.16                                |
| 699-53-55C         | 12/07/87                   | 172.07                    | 404.01                              | 576.08                                |
| 699-53-55C         | 12/10/87                   | 172.14                    | 403.94                              | 576.08                                |
| 699-54-19          | 12/07/87                   | 22.08                     | 361.52                              | 383.60                                |
| 699-54-34          | 12/10/87                   | 141.97                    | 408.27                              | 550.24                                |
| 699-54-48          | 12/07/87                   | 53.04                     | 403.98                              | 457.02                                |
| 699-54-48          | 12/10/87                   | 53.06                     | 403.96                              | 457.02                                |
| 699-55-21          | 12/07/87                   | 35.67                     | 360.29                              | 395.96                                |
| 699-55-40          | 12/07/87                   | 133.39                    | 409.74                              | 543.13                                |
| 699-55-40          | 12/10/87                   | 133.41                    | 409.72                              | 543.13                                |
| 699-55-50C         | 12/07/87                   | 40.46                     | 403.97                              | 444.43                                |
| 699-55-50C         | 12/10/87                   | 40.48                     | 403.95                              | 444.43                                |
| 699-55-70          | 12/08/87                   | 136.14                    | 432.89                              | 569.03                                |
| 699-55-70          | 12/14/87                   | 136.33                    | 432.70                              | 569.03                                |
| 699-55-76          | 12/02/87                   | 142.86                    | 440.38                              | 583.24                                |
| 699-55-76          | 12/08/87                   | 138.29                    | 444.95                              | 583.24                                |
| 699-55-76          | 12/14/87                   | 138.20                    | 445.04                              | 583.24                                |
| 699-55-89          | 12/14/87                   | 162.29                    | 455.14                              | 617.43                                |
| 699-55-95          | 12/14/87                   | 310.64                    | 466.41                              | 777.05                                |
| 699-57-25A         | 12/08/87                   | 50.68                     | 363.89                              | 414.57                                |
| 699-57-29B         | 12/08/87                   | 53.84                     | 362.34                              | 416.18                                |
| 699-57-83A         | 12/08/87                   | 144.85                    | 433.11                              | 577.96                                |
| 699-57-83A         | 12/14/87                   | 144.73                    | 433.23                              | 577.96                                |
| 699-58-24          | 12/08/87                   | 57.26                     | 361.54                              | 418.80                                |
| 699-59-32          | 12/07/87                   | 62.34                     | 361.95                              | 424.29                                |
| 699-59-32          | 12/08/87                   | 62.34                     | 361.95                              | 424.29                                |
| 699-59-58          | 12/04/87                   | 92.62                     | 405.15                              | 497.77                                |
| 699-59-58          | 12/10/87                   | 94.64                     | 403.13                              | 497.77                                |
| 699-59-80B         | 12/08/87                   | 156.19                    | 427.06                              | 583.25                                |
| 699-59-80B         | 12/11/87                   | 156.34                    | 426.91                              | 583.25                                |
| 699-60-32          | 12/07/87                   | 63.54                     | 361.76                              | 425.30                                |
| 699-60-32          | 12/08/87                   | 63.54                     | 361.76                              | 425.30                                |
| 699-60-60          | 12/04/87                   | 108.24                    | 403.79                              | 512.03                                |
| 699-60-60          | 12/09/87                   | 108.25                    | 403.78                              | 512.03                                |
| 699-61-37          | 12/07/87                   | 60.67                     | 382.27                              | 442.94                                |
| 699-61-37          | 12/08/87                   | 60.67                     | 382.27                              | 442.94                                |
| 699-61-41          | 12/07/87                   | 32.40                     | 396.52                              | 428.92                                |
| 699-61-41          | 12/08/87                   | 32.41                     | 396.51                              | 428.92                                |
| 699-61-62          | 12/04/87                   | 93.81                     | 403.70                              | 497.51                                |



| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 699-61-62              | 12/09/87                           | 93.82                         | 403.69                                      | 497.51  |
| 699-61-66              | 12/04/87                           | 119.52                        | 402.66                                      | 522.18  |
| 699-61-66              | 12/10/87                           | 119.54                        | 402.64                                      | 522.18  |
| 699-62-31              | 12/07/87                           | 72.41                         | 361.71                                      | 434.12  |
| 699-62-31              | 12/08/87                           | 72.41                         | 361.71                                      | 434.12  |
| 699-62-43A             | 12/07/87                           | 35.41                         | 396.89                                      | 432.30  |
| 699-62-43A             | 12/08/87                           | 35.40                         | 396.90                                      | 432.30  |
| 699-63-25A             | 12/08/87                           | 33.91                         | 361.24                                      | 395.15  |
| 699-63-51              | 12/07/87                           | 23.69                         | 400.85                                      | 424.54  |
| 699-63-51              | 12/08/87                           | 23.70                         | 400.84                                      | 424.54  |
| 699-63-58              | 12/04/87                           | 89.61                         | 402.29                                      | 491.90  |
| 699-63-58              | 12/09/87                           | 89.61                         | 402.29                                      | 491.90  |
| 699-63-90              | 12/11/87                           | 113.24                        | 396.49                                      | 509.73  |
| 699-63-92              | 12/11/87                           | 100.19                        | 397.31                                      | 497.50  |
| 699-64-27              | 12/08/87                           | 52.62                         | 361.67                                      | 414.29  |
| 699-64-62              | 12/04/87                           | 98.33                         | 401.92                                      | 500.25  |
| 699-64-62              | 12/10/87                           | 98.36                         | 401.89                                      | 500.25  |
| 699-65-50              | 12/07/87                           | 66.24                         | 400.82                                      | 467.06  |
| 699-65-50              | 12/08/87                           | 66.20                         | 400.86                                      | 467.06  |
| 699-65-59A             | 12/04/87                           | 105.11                        | 401.85                                      | 506.96  |
| 699-65-59A             | 12/09/87                           | 105.12                        | 401.84                                      | 506.96  |
| 699-65-72              | 12/04/87                           | 140.85                        | 399.43                                      | 540.28  |
| 699-65-72              | 12/11/87                           | 140.86                        | 399.42                                      | 540.28  |
| 699-65-72              | 12/21/87                           | 145.27                        | 395.01                                      | 540.28  |
| 699-65-83              | 12/04/87                           | 87.49                         | 398.14                                      | 485.63  |
| 699-65-83              | 12/11/87                           | 87.49                         | 398.14                                      | 485.63  |
| 699-65-95              | 12/11/87                           | 55.49                         | 396.77                                      | 452.26  |
| 699-66-103             | 12/14/87                           | 66.15                         | 396.86                                      | 463.01  |
| 699-66-23              | 12/08/87                           | 28.76                         | 360.25                                      | 389.01  |
| 699-66-38              | 12/08/87                           | 32.74                         | 403.46                                      | 436.20  |
| 699-66-39              | 12/08/87                           | 47.17                         | 406.53                                      | 453.70  |
| 699-66-58              | 12/09/87                           | 101.64                        | 401.69                                      | 503.33  |
| 699-66-64              | 12/10/87                           | 104.79                        | 401.13                                      | 505.92  |
| 699-66-91              | 12/11/87                           | 69.57                         | 398.18                                      | 467.75  |
| 699-67-51              | 12/08/87                           | 123.67                        | 400.92                                      | 524.59  |
| 699-67-86              | 12/11/87                           | 74.65                         | 397.74                                      | 472.39  |
| 699-67-86              | 12/22/87                           | 74.48                         | 397.91                                      | 472.39  |
| 699-67-98              | 12/11/87                           | 58.50                         | 396.97                                      | 455.47  |
| 699-68-105             | 12/14/87                           | 56.56                         | 395.29                                      | 451.85  |
| 699-69-38              | 12/08/87                           | 20.95                         | 401.98                                      | 422.93  |
| 699-69-450             | 12/08/87                           | 86.75                         | 400.43                                      | 487.18  |
| 699-70-23              | 12/08/87                           | 30.38                         | 361.33                                      | 391.71  |
| 699-70-68              | 12/11/87                           | 126.36                        | 399.85                                      | 526.21  |
| 699-70-68              | 12/21/87                           | 137.53                        | 388.68                                      | 526.21  |
| 699-71-30              | 12/08/87                           | 29.82                         | 370.86                                      | 400.68  |
| 699-71-30              | 12/13/87                           | 29.83                         | 370.85                                      | 400.68  |
| 699-71-52              | 12/08/87                           | 122.69                        | 400.31                                      | 523.00  |
| 699-71-52              | 12/13/87                           | 122.55                        | 400.45                                      | 523.00  |

| <u>Well Number</u> | <u>Date of Measurement</u> | <u>Depth to Water, ft</u> | <u>Hydraulic Head, ft above MSL</u> | <u>Casing Elevation, ft above MSL</u> |
|--------------------|----------------------------|---------------------------|-------------------------------------|---------------------------------------|
| 699-71-77          | 12/11/87                   | 75.74                     | 396.54                              | 472.28                                |
| 699-71-77          | 12/13/87                   | 75.80                     | 396.48                              | 472.28                                |
| 699-72-73          | 12/11/87                   | 85.13                     | 397.44                              | 482.57                                |
| 699-72-88          | 12/11/87                   | 38.01                     | 399.36                              | 437.37                                |
| 699-72-92          | 12/11/87                   | 54.29                     | 397.93                              | 452.22                                |
| 699-73-61          | 12/13/87                   | 131.43                    | 400.10                              | 531.53                                |
| 699-74-44          | 12/08/87                   | 48.07                     | 397.11                              | 445.18                                |
| 699-74-44          | 12/13/87                   | 48.11                     | 397.07                              | 445.18                                |
| 699-74-48          | 12/08/87                   | 87.98                     | 399.20                              | 487.18                                |
| 699-77-36          | 12/09/87                   | 35.62                     | 376.66                              | 412.28                                |
| 699-77-36          | 12/13/87                   | 35.71                     | 376.57                              | 412.28                                |
| 699-77-54          | 12/09/87                   | 81.92                     | 398.67                              | 480.59                                |
| 699-78-62          | 12/09/87                   | 73.16                     | 396.72                              | 469.88                                |
| 699-8-17           | 12/15/87                   | 123.74                    | 398.70                              | 522.44                                |
| 699-8-25           | 12/15/87                   | 109.04                    | 400.26                              | 509.30                                |
| 699-81-38          | 12/09/87                   | 26.87                     | 379.60                              | 406.47                                |
| 699-82-45A         | 12/09/87                   | 24.23                     | 389.50                              | 413.73                                |
| 699-83-47          | 12/09/87                   | 45.72                     | 389.55                              | 435.27                                |
| 699-86-42          | 12/09/87                   | 24.91                     | 385.01                              | 409.92                                |
| 699-87-55          | 12/09/87                   | 70.42                     | 388.21                              | 458.63                                |
| 699-88-41          | 12/02/87                   | 33.54                     | 382.50                              | 416.04                                |
| 699-88-41          | 12/16/87                   | 33.51                     | 382.53                              | 416.04                                |
| 699-88-41          | 12/30/87                   | 33.54                     | 382.50                              | 416.04                                |
| 699-89-35          | 12/02/87                   | 27.11                     | 370.35                              | 397.46                                |
| 699-89-35          | 12/09/87                   | 26.75                     | 370.71                              | 397.46                                |
| 699-89-35          | 12/16/87                   | 26.51                     | 370.95                              | 397.46                                |
| 699-89-35          | 12/30/87                   | 26.44                     | 371.02                              | 397.46                                |
| 699-9-E2           | 12/08/87                   | 46.18                     | 371.91                              | 418.09                                |
| 699-90-34          | 12/30/87                   | 21.69                     | 370.70                              | 392.39                                |
| 699-90-45          | 12/02/87                   | 37.23                     | 384.92                              | 422.15                                |
| 699-90-45          | 12/09/87                   | 37.22                     | 384.93                              | 422.15                                |
| 699-90-45          | 12/16/87                   | 37.33                     | 384.82                              | 422.15                                |
| 699-90-45          | 12/30/87                   | 37.34                     | 384.81                              | 422.15                                |
| 699-91-37          | 12/02/87                   | 50.22                     | 372.71                              | 422.93                                |
| 699-91-37          | 12/09/87                   | 50.19                     | 372.74                              | 422.93                                |
| 699-91-37          | 12/16/87                   | 50.17                     | 372.76                              | 422.93                                |
| 699-91-37          | 12/30/87                   | 50.00                     | 372.93                              | 422.93                                |
| 699-92-49          | 12/09/87                   | 48.37                     | 383.63                              | 432.00                                |
| 699-96-49          | 12/13/87                   | 37.65                     | 381.64                              | 419.29                                |
| 699-97-43          | 12/02/87                   | 43.06                     | 378.75                              | 421.81                                |
| 699-97-43          | 12/09/87                   | 43.02                     | 378.79                              | 421.81                                |
| 699-97-43          | 12/13/87                   | 43.05                     | 378.76                              | 421.81                                |
| 699-97-43          | 12/16/87                   | 43.06                     | 378.75                              | 421.81                                |
| 699-97-43          | 12/30/87                   | 43.06                     | 378.75                              | 421.81                                |
| 699-97-51A         | 12/13/87                   | 21.15                     | 381.34                              | 402.49                                |
| 699-S12-29         | 12/18/87                   | 83.17                     | 404.51                              | 487.68                                |
| 699-S12-3          | 12/04/87                   | 55.72                     | 379.80                              | 435.52                                |
| 699-S14-20A        | 12/04/87                   | 92.10                     | 400.64                              | 492.74                                |



| <u>Well<br/>Number</u> | <u>Date<br/>of<br/>Measurement</u> | <u>Depth to<br/>Water, ft</u> | <u>Hydraulic<br/>Head,<br/>ft above MSL</u> | <u>Casing<br/>Elevation,<br/>ft above MSL</u> |
|------------------------|------------------------------------|-------------------------------|---|---|
| 699-S18-E2A            | 12/04/87                           | 75.58                         | 359.27                                      | 434.85  |
| 699-S19-E13            | 12/04/87                           | 50.77                         | 343.74                                      | 394.51  |
| 699-S19-E13            | 12/29/87                           | 50.23                         | 344.28                                      | 394.51  |
| 699-S27-E14            | 12/29/87                           | 57.40                         | 342.36                                      | 399.76  |
| 699-S29-E12            | 12/04/87                           | 42.24                         | 345.71                                      | 387.95  |
| 699-S29-E12            | 12/29/87                           | 42.26                         | 345.69                                      | 387.95  |
| 699-S3-25              | 12/15/87                           | 124.27                        | 399.23                                      | 523.50  |
| 699-S3-E12             | 12/04/87                           | 43.74                         | 354.16                                      | 397.90  |
| 699-S30E15A            | 12/04/87                           | 58.26                         | 341.88                                      | 400.14  |
| 699-S30E15A            | 12/29/87                           | 57.73                         | 342.41                                      | 400.14  |
| 699-S31-1              | 12/04/87                           | 81.23                         | 378.88                                      | 460.11  |
| 699-S6-E4D             | 12/04/87                           | 58.55                         | 371.92                                      | 430.47  |
| 699-S6E14A             | 12/04/87                           | 27.97                         | 350.32                                      | 378.29  |
| 699-S7-34              | 12/18/87                           | 119.59                        | 407.53                                      | 527.12  |
| 699-S8-19              | 12/04/87                           | 107.95                        | 395.86                                      | 503.81  |

MSL = Mean sea level.

APPENDIX B

SAMPLING SCHEDULE



## APPENDIX B

### SAMPLING SCHEDULE

This appendix lists those wells to be sampled in 1988, sampling frequency, and sampled constituents (Table B.1). It also lists those wells scheduled to be sampled for hazardous chemicals during the first two quarters of 1988 (Table B.2).

TABLE B.1. Wells to be Sampled for Radionuclide and Nitrate Analysis During 1988

| <u>Well Number</u> | <u>Fre-<br/>quency</u> | <u>Analyses</u>  |
|--------------------|------------------------|--|
| (199) B3-1         | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| B3-2 P             | SA                     | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$   |
| B3-2 Q             | SA                     | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$   |
| B4-1               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| B4-2               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| B4-3               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| B4-4               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| B5-1               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| B9-1               | Q                      | $\text{NO}_3$  |
| D2-5               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| D5-12              | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ , Gamma Scan |
|                    | SA                     | $^{99}\text{Tc}$   |
| D8-3               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| F5-1               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| F5-3               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| F5-4               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| F5-6               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| F7-1               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U  |
|                    | SA                     | $^{99}\text{Tc}$   |
| F8-1               | M                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| F8-2               | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                                      |
|                    | SA                     | $^{99}\text{Tc}$   |
| H3-1               | Q                      | $^3\text{H}$   |
| H4-3               | Q                      | $^3\text{H}$ , $^{14}\text{C}$ , $^{63}\text{Ni}$ , Alpha, Beta, Gamma Scan                                |
| H4-4               | Q                      | $^3\text{H}$ , Gamma Scan, Alpha, Beta   |
| H4-5               | Q                      | $^3\text{H}$ , Gamma Scan  |
| H4-6               | Q                      | $^3\text{H}$ , Gamma Scan  |
| H4-7               | Q                      | $^3\text{H}$   |



TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (199) H4-9  | Q         | $^3\text{H}$  |
| H4-10       | Q         | $^3\text{H}$  |
| H4-11       | Q         | $^3\text{H}$  |
| H4-14       | Q         | $^3\text{H}$  |
| H4-16       | Q         | $^3\text{H}$  |
| H4-17       | Q         | $^3\text{H}$  |
| H4-18       | Q         | $^3\text{H}$  |
| K-11        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-19        | M         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-20        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| K-22        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-27        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-28        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-29        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| K-30        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-2         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ , Gamma Scan, DSHS <sup>(a)</sup> |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | 289   |
| N-3(0)      | Q         | Beta, $^3\text{H}$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{129}\text{I}$  |
| N-4         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-5         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-6         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-14        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ , Gamma Scan                      |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| N-15        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-16        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U   |
|             | SA        | $^{99}\text{Tc}$  |

TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (199) N-18  | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-19        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                                      |
|             | SA        | $^{99}\text{Tc}$  |
| N-20        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-21        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U   |
|             | SA        | $^{99}\text{Tc}$  |
| N-22        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-23        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-24        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U   |
|             | SA        | $^{99}\text{Tc}$  |
| N-25        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-27        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-28        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-29        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ , Gamma Scan        |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| N-30        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-31        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan   |
|             | SA        | $^{99}\text{Tc}$  |
| N-32        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, DSHS <sup>(a)</sup>                        |
|             | SA        | $^{99}\text{Tc}$  |
| N-33        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ , Gamma Scan, Alpha |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| N-36        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                                      |
|             | SA        | $^{99}\text{Tc}$  |
| N-37        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                                      |
|             | SA        | $^{99}\text{Tc}$  |
| N-39        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                                      |
|             | SA        | $^{99}\text{Tc}$  |
| N-45        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                                      |
|             | SA        | $^{99}\text{Tc}$  |
| N-49        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U   |
|             | SA        | $^{99}\text{Tc}$  |



TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (199) N-50  | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U |
|             | SA        | $^{99}\text{Tc}$  |
| N-51        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U |
|             | SA        | $^{99}\text{Tc}$  |
| N-52        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U |
|             | SA        | $^{99}\text{Tc}$  |

2.0 200-AREA WELLS

| Well Number            | Frequency | Analyses   |
|------------------------|-----------|--|
| <u>Sampled for PNL</u> |           |  |
| (299) E13-5            | SA        | $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ , Gamma Scan                |
| E13-8                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$              |
|                        | A         | $^{129}\text{I}$   |
| E13-14                 | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ , Gamma Scan |
|                        | A         | $^{129}\text{I}$   |
| E13-19                 | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ , Gamma Scan |
|                        | A         | $^{129}\text{I}$   |
| E16-2                  | A         | $^{129}\text{I}$   |
| E17-1                  | SA        | U  |
| E17-5                  | Q         | $^{14}\text{C}$  |
|                        | A         | $^{129}\text{I}$   |
| E17-6                  | SA        | $^{90}\text{Sr}$ , $^{14}\text{C}$   |
|                        | A         | $^{129}\text{I}$   |
| E17-8                  | Q         | $^{14}\text{C}$  |
|                        | A         | $^{129}\text{I}$   |
| E17-12                 | SA        | $^{99}\text{Tc}$   |
| E23-1                  | SA        | $^3\text{H}$ , $\text{NO}_3$   |
|                        | A         | $^{129}\text{I}$   |
| E23-2                  | SA        | U  |
| E24-1                  | Q         | Alpha, $^{14}\text{C}$   |
|                        | A         | $^{129}\text{I}$   |
| E24-2                  | SA        | U  |
| E24-7                  | SA        | $^3\text{H}$ , $\text{NO}_3$   |
|                        | A         | $^{129}\text{I}$   |
| E24-8                  | SA        | $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$   |
| E24-13                 | SA        | $^3\text{H}$ , $^{90}\text{Sr}$ , Gamma Scan                                       |
|                        | A         | $^{129}\text{I}$   |
| E25-2                  | SA        | $^{90}\text{Sr}$ , Gamma Scan  |

(a) Duplicate samples sent to the Washington State Department of Social and Health Services.

TABLE B.1. (contd)

| Well Number            | Frequency | Analyses  |
|------------------------|-----------|---|
| <u>Sampled for PNL</u> |           |   |
| E25-3                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$                       |
|                        | A         | $^{129}\text{I}$  |
| E25-9                  | A         | $^{129}\text{I}$  |
| E25-11                 | A         | $^{129}\text{I}$  |
| E25-19                 | A         | $^{129}\text{I}$  |
| E25-22                 | A         | $^{129}\text{I}$  |
| E25-23                 | A         | $^{129}\text{I}$  |
| E25-24                 | A         | $^{129}\text{I}$  |
| E26-1                  | SA        | $^3\text{H}$ , $\text{NO}_3$  |
|                        | A         | $^{129}\text{I}$  |
| E26-2                  | SA        | $^{90}\text{Sr}$  |
|                        | A         | $^{129}\text{I}$  |
| E26-3                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$                       |
|                        | A         | $^{129}\text{I}$  |
| E26-4                  | SA        | $^{90}\text{Sr}$  |
|                        | A         | $^{129}\text{I}$  |
| E26-8                  | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|                        | SA        | $^{99}\text{Tc}$ ,  |
|                        | A         | $^{129}\text{I}$ -LDL   |
| E27-1                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                   |
|                        | A         | $^{129}\text{I}$  |
| E27-5                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ |
|                        | A         | $^{129}\text{I}$  |
| E28-1                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , Gamma Scan          |
|                        | A         | $^{129}\text{I}$  |
| E28-5                  | SA        | $^3\text{H}$ , $\text{NO}_3$  |
|                        | A         | $^{129}\text{I}$  |
| E28-7                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                       |
|                        | A         | $^{129}\text{I}$  |
| E28-23                 | SA        | $^{99}\text{Tc}$  |
|                        | Q         | Alpha, Beta, Gamma Scan, $^3\text{H}$                                 |
| E33-1                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|                        | A         | $^{129}\text{I}$  |
| E33-3                  | SA        | $\text{NO}_3$ , U   |
| E33-5                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|                        | A         | $^{129}\text{I}$  |
| E33-7                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|                        | A         | $^{129}\text{I}$  |
| E33-8                  | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|                        | A         | $^{129}\text{I}$  |
| E33-9                  | SA        | U   |
| E33-10                 | SA        | U   |

TABLE B.1. (contd)

| Well Number  | Frequency | Analyses  |
|--------------|-----------|---|
| (299) E33-12 | SA        | Beta, $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ , Gamma Scan             |
|              | A         | $^{129}\text{I}$ -LDL   |
| E33-14       | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                   |
| E33-18       | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|              | A         | $^{129}\text{I}$  |
| E33-20       | SA        | $^3\text{H}$ , U, $^{99}\text{Tc}$                                    |
|              | A         | $^{129}\text{I}$  |
| E33-21       | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ |
|              | A         | $^{129}\text{I}$  |
| E33-24       | SA        | $^3\text{H}$ , $\text{NO}_3$ , U                                      |
|              | A         | $^{129}\text{I}$  |
| E33-27       | SA        | $^3\text{H}$ , U  |
| W6-1         | SA        | $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                             |
|              | A         | $^{129}\text{I}$  |
| W10-1        | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, $^{99}\text{Tc}$                    |
|              | A         | $^{129}\text{I}$  |
| W10-3        | SA        | $^3\text{H}$ , $\text{NO}_3$ , U                                      |
|              | A         | $^{129}\text{I}$  |
| W10-4        | SA        | $^3\text{H}$ , $\text{NO}_3$ , U                                      |
|              | A         | $^{129}\text{I}$  |
| W10-5        | SA        | $^3\text{H}$ , $\text{NO}_3$  |
|              | A         | $^{129}\text{I}$  |
| W10-8        | SA        | $^3\text{H}$ , U  |
|              | A         | $^{129}\text{I}$  |
| W10-9        | SA        | $^3\text{H}$ , U  |
|              | A         | $^{129}\text{I}$  |
| W11-3        | SA        | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                   |
| W11-9        | A         | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                   |
| W11-18       | SA        | $^{99}\text{Tc}$  |
| W12-1        | SA        | $^3\text{H}$ , $\text{NO}_3$  |
|              | A         | $^{129}\text{I}$  |
| W14-2        | SA        | $\text{NO}_3$ , U, $^{99}\text{Tc}$                                   |
| W14-5        | SA        | $^{90}\text{Sr}$ , U, Gamma Scan                                      |
| W14-6        | SA        | $^{90}\text{Sr}$ , U, Gamma Scan                                      |
| W15-2        | SA        | $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                             |
|              | A         | $^{129}\text{I}$  |
| W15-4        | SA        | $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$                                |
| W15-6        | SA        | $^{99}\text{Tc}$  |
| W15-7        | SA        | $^3\text{H}$  |
|              | A         | $^{129}\text{I}$  |
| W15-10       | SA        | $^3\text{H}$  |
|              | A         | $^{129}\text{I}$  |



TABLE B.1. (contd)

| <u>Well Number</u>     | <u>Fre-</u><br><u>quency</u> | <u>Analyses</u>  |
|------------------------|------------------------------|--|
| <u>Sampled for PNL</u> |                              |  |
| (299) W15-11           | SA                           | $^3\text{H}$   |
|                        | A                            | $^{129}\text{I}$   |
| W18-3                  | SA                           | $^3\text{H}$ , $\text{NO}_3^-$ , $^{90}\text{Sr}$ , $^{99}\text{Tc}$ |
|                        | A                            | $^{129}\text{I}$   |
| W19-1                  | SA                           | $^{90}\text{Sr}$ , $^{99}\text{Tc}$                                  |
| W19-3                  | Q                            | $^{14}\text{C}$ , Gamma Scan, $^3\text{H}$ , Alpha, Beta             |
|                        | A                            | $^{129}\text{I}$   |
| W19-5                  | SA                           | U, $^{99}\text{Tc}$  |
| W19-9                  | SA                           | $^{14}\text{C}$  |
|                        | A                            | $^{129}\text{I}$   |
| W19-11                 | Q                            | $^{14}\text{C}$  |
|                        | A                            | $^{129}\text{I}$   |
| W19-12                 | SA                           | $^{99}\text{Tc}$   |
| W19-15                 | SA                           | $^{14}\text{C}$  |
|                        | A                            | $^{129}\text{I}$   |
| W19-16                 | SA                           | $^{14}\text{C}$  |
|                        | A                            | $^{129}\text{I}$   |
| W19-19                 | Q                            | Alpha, Beta, Gamma Scan, $^3\text{H}$                                |
| W21-1                  | SA                           | $^3\text{H}$ , $\text{NO}_3^-$ , U                                   |
|                        | A                            | $^{129}\text{I}$   |
| W22-1                  | SA                           | U  |
| W22-2                  | SA                           | U  |
| W22-7                  | SA                           | $^3\text{H}$ , $\text{NO}_3^-$ , $^{90}\text{Sr}$ , U                |
|                        | A                            | $^{129}\text{I}$   |
| W22-9                  | SA                           | $^3\text{H}$ , $\text{NO}_3^-$ , $^{90}\text{Sr}$ , U                |
|                        | A                            | $^{129}\text{I}$   |
| W22-10                 | SA                           | $^3\text{H}$ , U   |
|                        | A                            | $^{129}\text{I}$   |
| W22-12                 | SA                           | U  |
| W22-18                 | SA                           | $^{99}\text{Tc}$   |
| W22-20                 | SA                           | $\text{NO}_3^-$ , U, $^{14}\text{C}$                                 |
|                        | A                            | $^{129}\text{I}$   |
| W22-21                 | SA                           | $^{14}\text{C}$  |
|                        | A                            | $^{129}\text{I}$   |
| W22-26                 | SA                           | $\text{NO}_3^-$ , U  |
| W23-1                  | SA                           | $^3\text{H}$ , U   |
|                        | A                            | $^{129}\text{I}$   |
| W23-2                  | SA                           | U  |
| W23-4                  | SA                           | $^{90}\text{Sr}$   |
|                        | A                            | $^{129}\text{I}$   |
| W23-9                  | SA                           | $^{99}\text{Tc}$   |
| W23-10                 | SA                           | $^{99}\text{Tc}$   |
| W23-11                 | SA                           | $^{90}\text{Sr}$ , $^{99}\text{Tc}$                                  |

TABLE B.1. (contd)

3.0 300-Area Wells

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (399) 1-1   | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |
| 1-2         | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |
| 1-3         | Q         | $^3\text{H}$ , U, DSHS <sup>(a)</sup>           |
|             | SA        | $^{99}\text{Tc}$                                |
| 1-4         | Q         | U   |
| 1-5         | Q         | $^3\text{H}$ , U                                |
| 1-6         | Q         | $^3\text{H}$ , U                                |
| 1-7         | Q         | $^3\text{H}$ , U                                |
| 1-8         | Q         | $^3\text{H}$ , U                                |
| 1-9         | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |
| 1-10        | Q         | $^3\text{H}$ , U                                |
| 1-11        | Q         | $^3\text{H}$                                    |
| 1-12        | Q         | $^3\text{H}$ , U                                |
| 1-13        | Q         | $^3\text{H}$ , U                                |
| 1-14        | Q         | $^3\text{H}$ , U                                |
| 1-15        | Q         | $^3\text{H}$ , U                                |
| 1-16 A      | Q         | $^3\text{H}$ , U                                |
| 1-16 B      | Q         | $^3\text{H}$ , U, $^{90}\text{Sr}$ , Gamma Scan |
| 1-16 C      | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |
| 1-16 D      | Q         | $^3\text{H}$ , U                                |
| 1-17 A      | Q         | $^3\text{H}$                                    |
| 1-17 B      | Q         | $^3\text{H}$ , U, $^{90}\text{Sr}$ , Gamma Scan |
| 1-17 C      | Q         | $^3\text{H}$ , U                                |
| 1-18 B      | Q         | $^3\text{H}$ , U, $^{90}\text{Sr}$ , Gamma Scan |
| 1-18 C      | Q         | $^3\text{H}$ , U                                |
| 1-19        | Q         | $^3\text{H}$                                    |
| 2-1         | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |
| 2-2         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U          |
|             | SA        | $^{99}\text{Tc}$                                |
| 2-3         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U          |
|             | SA        | $^{99}\text{Tc}$                                |
| 3-3         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U          |
|             | SA        | $^{99}\text{Tc}$                                |
| 3-6         | Q         | $^3\text{H}$ , U, Gamma Scan                    |
| 3-7         | Q         | $^3\text{H}$ , U                                |
|             | SA        | $^{99}\text{Tc}$                                |

TABLE B.1. (contd)

| <u>Well Number</u> | <u>Fre-</u><br><u>quency</u> | <u>Analyses</u>   |
|--------------------|------------------------------|---|
| (399) 3-9          | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{90}\text{Sr}$              |
|                    | SA                           | $^{99}\text{Tc}$  |
| 3-10               | Q                            | $^3\text{H}$ , U, $^{90}\text{Sr}$                                    |
| 3-11               | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{90}\text{Sr}$ , Gamma Scan |
|                    | SA                           | $^{99}\text{Tc}$  |
| 3-12               | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{90}\text{Sr}$              |
|                    | SA                           | $^{99}\text{Tc}$  |
| 4-1                | Q                            | $^3\text{H}$ , U, Gamma Scan  |
| 4-7                | Q                            | $^3\text{H}$ , U  |
|                    | SA                           | $^{99}\text{Tc}$  |
| 4-9                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{90}\text{Sr}$ , Gamma Scan |
|                    | SA                           | $^{99}\text{Tc}$  |
| 4-10               | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{90}\text{Sr}$ , Gamma Scan |
|                    | SA                           | $^{99}\text{Tc}$  |
| 4-11               | Q                            | $^3\text{H}$ , U  |
| 5-1                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|                    | SA                           | $^{99}\text{Tc}$  |
| 6-1                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                    |
|                    | SA                           | $^{99}\text{Tc}$  |
| 8-1                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                    |
|                    | SA                           | $^{99}\text{Tc}$  |
| 8-2                | Q                            | $^3\text{H}$ , U  |
| 8-3                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                    |
|                    | SA                           | $^{99}\text{Tc}$  |
| 8-4                | Q                            | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|                    | SA                           | $^{99}\text{Tc}$  |

4.0 400-Area Wells

| <u>Well Number</u> | <u>Fre-</u><br><u>quency</u> | <u>Analyses</u>                           |
|--------------------|------------------------------|---|
| (499) S0-7         | Q                            | $^3\text{H}$ , Gamma Scan                 |
| S0-8               | Q                            | Alpha, Beta, $^3\text{H}$ , Gamma Scan    |
|                    | A                            | $^{129}\text{I}$                          |
| S1-7 B             | Q                            | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ |
|                    | A                            | $^{129}\text{I}$                          |
| S1-7 C             | Q                            | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ |
|                    | A                            | $^{129}\text{I}$                          |
| S1-8 A             | Q                            | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ |
|                    | A                            | $^{129}\text{I}$                          |
| S1-8 B             | Q                            | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ |
|                    | A                            | $^{129}\text{I}$                          |
| S1-8 C             | Q                            | Alpha, Beta, $^3\text{H}$                 |
|                    | A                            | $^{129}\text{I}$                          |

(a) Duplicate samples sent to the Washington State Department of Social and Health Services.



TABLE B.1. (contd)

5.0 600-Area Wells

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (699) S3-25 | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
|             | A         | $^{129}\text{I}$  |
| S3-E12      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
|             | A         | $^{129}\text{I}$  |
| S6-E4 B     | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                              |
|             | A         | $^{129}\text{I}$  |
| S6-E4 D     | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                              |
|             | A         | $^{129}\text{I}$  |
| S6-E14 A    | SA        | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                           |
| S7-34       | SA        | $^3\text{H}$ , $\text{NO}_3$  |
| S8-19       | Q         | Alpha, Beta, $^3\text{H}$   |
|             | A         | $^{129}\text{I}$  |
| S11-E12A(0) | A         | $^3\text{H}$ , $\text{NO}_3$  |
| S11-E12A P  | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
| S12-3       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
|             | SA        | U, Gamma Scan   |
|             | A         | $^{129}\text{I}$  |
| S12-29      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
| S14-20 A    | SA        | $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                                    |
| S18-51      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                    |
| S19-11      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , $^{99}\text{Tc}$ |
| S19-E13     | Q         | Beta, $^3\text{H}$ , U, Gamma Scan  |
| S24-19      | SA        | $^3\text{H}$ , $\text{NO}_3$ , U  |
| S27-E14     | M         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U  |
| S28-E0      | Q         | U   |
| S29-E12     | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U  |
|             | SA        | $^{99}\text{Tc}$  |
| S30-E15 A   | Q         | Beta, $^3\text{H}$ , U  |
|             | SA        | $^{99}\text{Tc}$  |
| S31-1P      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                    |
| 1-18        | Q         | $^3\text{H}$ , $\text{NO}_3$  |
|             | A         | $^{129}\text{I}$  |
| 2-3         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>                 |
|             | A         | $^{129}\text{I}$  |
| 2-7         | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 2-33 A      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
|             | A         | $^{129}\text{I}$  |
| 3-45        | SA        | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$     |
|             | A         | $^{129}\text{I}$  |
| 8-17        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                       |
|             | A         | $^{129}\text{I}$  |

TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (699) 8-25  | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 8-32        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 10-E12      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 10-54 A     | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 13-64       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 14-E6 T     | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 14-38       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 14-47       | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 15-15 B     | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 15-26       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                    |
|             | A         | $^{129}\text{I}$  |
| 17-5        | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>           |
| 17-47       | Q         | $^3\text{H}$ , $\text{NO}_3$  |
|             | A         | $^{129}\text{I}$  |
| 17-70       | Q         | $^3\text{H}$ , $\text{NO}_3$  |
| 19-43       | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 19-58       | Q         | $\text{NO}_3$   |
| 19-88       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 20-E5 A     | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 20-E5 AP    | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 20-E5 A Q   | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 20-E5 AR    | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 20-E12(O)   | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                    |
|             | A         | $^{129}\text{I}$  |
| 20-E12 P    | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 20-20       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                    |
|             | A         | $^{129}\text{I}$  |
| 20-39       | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$ , Gamma Scan |
| 20-82       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 21-6        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
|             | A         | $^{129}\text{I}$  |
| 22-70       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                 |
| 24-1 P      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 24-1 Q      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 24-1 R      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |
| 24-1 S      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$              |

TABLE B.1. (contd)

| Well Number  | Frequency | Analyses  |
|--------------|-----------|---|
| (699) 24-1 T | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | A         | $^{129}\text{I}$  |
| (699) 24-33  | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>             |
|              | A         | $^{129}\text{I}$  |
| 24-46        | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{129}\text{I}$                |
| 25-55        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
| 25-70        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | A         | $^{129}\text{I}$  |
| 26-15 A      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                      |
|              | A         | $^{129}\text{I}$  |
| 26-89        | SA        | $\text{NO}_3$   |
| 27-8         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | SA        | $^{99}\text{Tc}$  |
|              | A         | $^{129}\text{I}$  |
| 28-40        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
| 28-40 P      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$ , Gamma Scan   |
| 28-52 A      | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
| 29-4         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | A         | $^{129}\text{I}$  |
| 29-78        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | A         | $^{129}\text{I}$  |
| 31-31        | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>             |
| 31-31 P      | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                |
| 31-53 B      | SA        | Gamma Scan  |
| 32-22        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
|              | SA        | $^{99}\text{Tc}$  |
|              | A         | $^{129}\text{I}$  |
| 32-43        | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{14}\text{C}$ , Gamma Scan           |
|              | SA        | $^{99}\text{Tc}$  |
|              | A         | $^{129}\text{I}$  |
| 32-62        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>             |
|              | A         | $^{129}\text{I}$  |
| 32-70 B      | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                   |
|              | SA        | $^{99}\text{Tc}$  |
|              | A         | $^{129}\text{I}$  |
| 32-72        | Q         | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan             |
|              | SA        | $^{99}\text{Tc}$  |
|              | A         | $^{129}\text{I}$  |
| 32-77        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan, DSHS <sup>(a)</sup> |
|              | A         | $^{129}\text{I}$  |
| 33-42        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
| 33-56        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                                   |
| 34-39 A      | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                      |



TABLE B.1. (contd)

| Well Number   | Frequency | Analyses  |
|---------------|-----------|---|
| (699) 34-41 B | Q         | $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan   |
| 34-42         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 34-51         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan  |
|               | A         | $^{129}\text{I}$  |
| 35-9          | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 35-66         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 35-70         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , DSHS <sup>(a)</sup>              |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 36-46 P       | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$  |
| 36-46 Q       | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$  |
| 36-61 A       | Q         | $\text{NO}_3$   |
| 36-61 B       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 36-93         | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , $^{99}\text{Tc}$                               |
| 37-E4         | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 37-43         | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$ , $^{14}\text{C}$ , Gamma Scan, $^{129}\text{I}$ |
| 37-82 A       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>   |
| 38-15         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan  |
|               | A         | $^{129}\text{I}$  |
| 38-65         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan, DSHS <sup>(a)</sup>                                       |
|               | A         | $^{129}\text{I}$  |
| 38-70         | Q         | $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , $^{14}\text{C}$ , $^{63}\text{Ni}$                          |
|               | A         | $^{129}\text{I}$  |
| 39-0          | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan  |
| 39-39         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan  |
|               | A         | $^{129}\text{I}$  |
| 39-79         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan  |
|               | A         | $^{129}\text{I}$  |
| 40-1          | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan, DSHS <sup>(a)</sup> , $^{90}\text{Sr}$                |
|               | SA        | $^{99}\text{Tc}$  |
| 40-33 A       | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan, DSHS <sup>(a)</sup>                                   |
| 40-62         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 41-1          | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , Gamma Scan, U, Alpha                                  |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |

TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (699) 41-23 | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 42-2        | A         | $^3\text{H}$ , $\text{NO}_3$ , DSHS <sup>(a)</sup>  |
| 42-12 A     | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                       |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 42-40 C     | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$ -LDL   |
| 43-3        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan, DSHS <sup>(a)</sup>                 |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 43-88       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 44-4        | A         | $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan, DSHS <sup>(a)</sup>                              |
| 44-64       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | A         | $^{129}\text{I}$  |
| 45-2        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                                      |
|             | A         | $^{129}\text{I}$  |
| 45-69 A     | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | A         | $^{129}\text{I}$  |
| 46-4        | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 46-21 B     | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | A         | $^{129}\text{I}$  |
| 47-5        | M         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | Q         | U, $^{90}\text{Sr}$ , Gamma Scan  |
| 47-35 A     | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{129}\text{I}$                                |
| 47-46 A     | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan  |
|             | A         | $^{129}\text{I}$  |
| 47-50       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , $^{14}\text{C}$ , Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$ -LDL   |
| 47-60       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan  |
|             | A         | $^{129}\text{I}$  |
| 48-7        | O         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 48-18       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | A         | $^{129}\text{I}$  |
| 48-71       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|             | A         | $^{129}\text{I}$  |

TABLE B.1. (contd)

| Well Number   | Frequency | Analyses  |
|---------------|-----------|---|
| (699) 49-13 E | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 49-28         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 49-55 A       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan, Alpha                |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 49-55 B       | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$ -LDL   |
| 49-57         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{14}\text{C}$ , Gamma Scan     |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 49-79         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 50-30         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$                                |
| 50-42         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 50-45         | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$ -LDL   |
| 50-48 B       | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 50-53         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , $^{14}\text{C}$ , Gamma Scan |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |
| 50-85         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 51-46         | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$ -LDL   |
| 51-63         | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U  |
|               | A         | $^{129}\text{I}$  |
| 51-75         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 52-19         | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
|               | A         | $^{129}\text{I}$  |
| 52-46A        | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$ -LDL   |
| 52-48         | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$ -LDL   |
| 53-50         | Q         | Alpha, Beta, $^{90}\text{Sr}$   |
|               | SA        | $^{99}\text{Tc}$  |
|               | A         | $^{129}\text{I}$  |



TABLE B.1. (contd)

| <u>Well Number</u> | <u>Fre-<br/>quency</u> | <u>Analyses</u>  |
|--------------------|------------------------|--|
| (699) 53-55A       | A                      | $^{129}\text{I}$   |
| 53-103             | SA                     | Alpha, Beta, $^3\text{H}$ , $^{99}\text{Tc}$ , $\text{NO}_3$                             |
|                    | A                      | $^{129}\text{I}$ -LDL  |
| 54-34              | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
| 54-45 A            | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
| 54-57              | Q                      | Alpha, Beta, $^{90}\text{Sr}$  |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$ -LDL  |
| 55-40              | SA                     | $^3\text{H}$ , $\text{NO}_3$   |
| 55-44              | SA                     | $^3\text{H}$ , $\text{NO}_3$   |
| 55-50 A(0)         | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                    |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$   |
| 55-50 C            | Q                      | $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan   |
|                    | A                      | $^{129}\text{I}$   |
| 55-50 D            | Q                      | $^3\text{H}$ , $\text{NO}_3$ , U   |
|                    | A                      | $^{129}\text{I}$   |
| 55-70              | A                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , U   |
| 55-76              | Q                      | $\text{NO}_3$  |
| 55-89              | SA                     | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                    |
| 56-43              | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
|                    | A                      | $^{129}\text{I}$   |
| 56-53              | Q                      | Alpha, Beta, $^{90}\text{Sr}$  |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$ -LDL  |
| 57-29 A            | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
| 59-58              | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U                                |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$   |
| 59-80 B            | Q                      | $\text{NO}_3$  |
| 60-57              | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , U   |
|                    | A                      | $^{129}\text{I}$   |
| 60-60              | SA                     | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, $^{99}\text{Tc}$ , Gamma Scan |
|                    | A                      | $^{129}\text{I}$   |
| 61-37              | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
| 61-41              | Q                      | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$  |
| 61-62              | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                    |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$   |
| 61-66              | Q                      | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan                    |
|                    | SA                     | $^{99}\text{Tc}$   |
|                    | A                      | $^{129}\text{I}$   |
| 62-31              | Q                      | $\text{NO}_3$  |

TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (699) 63-25 | A         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 63-55       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
| 63-58       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U, Gamma Scan                    |
|             | A         | $^{129}\text{I}$  |
| 63-90       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 64-27       | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 64-62       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 65-23       | SA        | $^3\text{H}$ , $\text{NO}_3$  |
| 65-50       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|             | A         | $^{129}\text{I}$  |
| 65-59       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 65-72       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|             | A         | $^{129}\text{I}$  |
| 65-83       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 66-23       | Q         | $\text{NO}_3$   |
| 66-38       | Q         | $\text{NO}_3$   |
| 66-39       | Q         | $\text{NO}_3$   |
| 66-58       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 66-64       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 66-103      | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , Gamma Scan                |
| 67-51       | Q         | $^3\text{H}$ , $\text{NO}_3$ , U                                      |
| 67-86       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 67-98       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 68-105      | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 69-38       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 70-68       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$ , U, Gamma Scan |
|             | SA        | $^{99}\text{Tc}$  |
|             | A         | $^{129}\text{I}$  |
| 71-30       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
| 71-52       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|             | A         | $^{129}\text{I}$  |
| 71-77       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U                                |
|             | A         | $^{129}\text{I}$  |
| 72-73       | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$                             |
|             | A         | $^{129}\text{I}$  |

TABLE B.1. (contd)

| Well Number | Frequency | Analyses  |
|-------------|-----------|---|
| (699) 72-88 | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 72-92       | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 73-61       | Q         | Beta, $^3\text{H}$ , $\text{NO}_3$ , U  |
|             | A         | $^{129}\text{I}$  |
| 74-44       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 77-36       | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 77-54       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 78-62       | SA        | $\text{NO}_3$   |
| 80-43 P     | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                      |
| 80-43 Q     | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                      |
| 80-43 R     | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                      |
| 80-43 S     | SA        | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{99}\text{Tc}$                      |
| 81-58       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 83-47       | SA        | $^3\text{H}$ , $^{90}\text{Sr}$ , $^{99}\text{Tc}$                                |
| 84-35 A(0)  | A         | $^3\text{H}$ , $\text{NO}_3$  |
| 87-55       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 89-35       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 90-45       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 96-49       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ |
| 97-43       | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$   |
| 97-51 A     | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , U, $^{14}\text{C}$ , $^{63}\text{Ni}$ |
| 101-48 B    | Q         | Alpha, Beta, $^3\text{H}$ , $\text{NO}_3$ , $^{90}\text{Sr}$                      |
|             | SA        | $^{99}\text{Tc}$  |



TABLE B.2. Wells to Be Sampled for Hazardous Chemicals During the First Two Quarters of 1988

| <u>Well Number</u> | <u>Well Number</u> |
|--------------------|--------------------|
| 199-B3-1           | 699-39-39          |
| 199-F5-4           | 699-39-79          |
| 199-F7-1           | 699-40-62          |
| 199-N-28           | 699-41-1           |
| 199-N-29(a)        | 699-42-2           |
| 299-E13-5          | 699-43-3           |
| 299-E13-14         | 699-44-64          |
| 299-E17-1          | 699-45-2           |
| 299-E17-6          | 699-45-42(b)       |
| 299-E25-19         | 699-46-4           |
| 299-E25-21         | 699-47-46A         |
| 299-E25-23         | 699-47-5           |
| 299-E25-24         | 699-47-50          |
| 299-E28-21         | 699-47-60          |
| 299-W14-6          | 699-49-55A         |
| 299-W19-9          | 699-49-57          |
| 299-W19-15         | 699-49-79          |
| 299-W19-16         | 699-50-53          |
| 299-W23-10         | 699-50-85          |
| 499-S1-7C          | 699-55-50C         |
| 499-S1-8A          | 699-55-76          |
| 499-S1-8B          | 699-65-72          |
| 699-S3-E12         | 699-65-83          |
| 699-10-E12         | 699-67-86          |
| 699-12-4D          | 699-70-68          |
| 699-14-38          | 699-71-30          |
| 699-19-43          | 699-71-52          |
| 699-20-39          | 699-71-77          |
| 699-24-33          | 699-72-73          |
| 699-24-46          | 699-73-61          |
| 699-29-78          | 699-74-44          |
| 699-32-70B         | 699-77-36          |
| 699-32-72          | 699-78-62          |
| 699-32-77          | 699-81-58(a)       |
| 699-35-66          | 699-83-47          |
| 699-36-61A         | 699-96-49          |
| 699-37-E4          | 699-97-51A         |
| 699-37-43          | 699-97-43          |
| 699-38-70          | 699-101-48B        |

- 
- (a) Sampled during second quarter by project other than the Site-Wide Ground-Water Monitoring Project.
- (b) Sampled for Westinghouse during first quarter.

APPENDIX C

DATA LISTINGS

## APPENDIX C

### DATA LISTINGS

This appendix contains tables listing the constituents for which samples taken during the period July through December 1987 had been analyzed and reported by United States Testing Company, Inc. (UST). Table C.1 is a key to the constituent and constituent group names used throughout the remaining tables. Some constituents appear more than once in the list in different forms (e.g., NITRATE and HNITRATE are both nitrate ion, but HNITRATE has a higher detection limit). The constituents U and U-CHEM are both total uranium, but in units of pCi/L and ppb<sup>(a)</sup>, respectively. The constituent names CHRDMUM and FCHROMI represent chromium analyses done on unfiltered and filtered samples, respectively.

Each monitoring well sampled on the Hanford Site from July through December 1987 was placed into one of three groups: 1) Site-wide chemical monitoring wells (Tables C.2 and C.3), 2) compliance monitoring wells (Tables C.4 and C.5), and 3) additional Site-wide radiological and nitrate monitoring wells that were not in either of the other two networks (Tables C.6 and C.7).

Most wells were sampled once during each quarter. Some exceptions included a few wells that were sampled monthly, wells that were dropped from the chemical network after three sampling periods, and wells that were sampled semiannually for radiological constituents. Compliance monitoring in the 100-H and 300 Areas is conducted monthly and quarterly, respectively.

Tables C.3, C.5, and C.7 contain all chemical results (above detection levels) and radiochemical results (for which the result is at least as large as the counting error). Blank spaces in the tables or constituents missing from the first column indicate that the results did not meet these criteria.

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(a) The conversion from ppb uranium to pCi/L uranium is approximately 0.699 for natural uranium. Other conversion factors may be calculated where the isotopic composition has been measured [e.g., Law, Serkowski, and Schatz (1987) report a conversion factor of 0.679 for their data].



The letters "NR" in the tables indicate that the analysis was not requested or the results had not yet been reported by the laboratory at the time of writing.

Analyses were performed by UST following approved procedures (EPA 1982) or other standard methods. Specific conductance, pH, and temperature were measured in the field at the time of collection, in accordance with documented procedures. The analytical procedures have been described elsewhere (Jaquish and Mitchell 1988, Appendix D).

#### REFERENCES

- EPA. 1982. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 2nd ed., SW-846, Washington, D.C.
- Jaquish, R. E., and P. J. Mitchell, eds. 1988. Environmental Monitoring at Hanford for 1987. PNL-6464, Pacific Northwest Laboratory, Richland, Washington.
- Law, A. G., J. A. Serkowski, and A. L. Schatz. 1987. Results of the Separations Area Ground-Water Monitoring Network for 1986. RHO-RE-SR-87-24P, Rockwell Hanford Operations, Richland, Washington.

TABLE C.1. Key to Constituent and Constituent Group Names Used in Tables C.2, C.3, C.4, C.5, C.6, and C.7

Individual Constituents

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>                           |
|-----------------------|--------------|--|
| ALKALIN               | ppb          | Total alkalinity in ppb CaCO <sub>3</sub>  |
| ALPHA                 | pCi/L        | Gross alpha                                |
| AM-241                | pCi/L        | Americium-241                              |
| AMMONIU               | ppb          | Ammonium ion                               |
| BETA                  | pCi/L        | Gross beta                                 |
| BISMUTH               | ppb          | Bismuth                                    |
| CI4                   | pCi/L        | Carbon-14                                  |
| CI3DCCA               | pCi/L        | Cis-1,3-dichloro-cyclohexane               |
| CITRUSR               | ppb          | Citrus red                                 |
| COLIFRM               | mpn(a)       | Coliform bacteria                          |
| CDNDFLD               | µmho         | Specific conductance                       |
| CDNDLAB               | µmho         | Specific conductance, Laboratory           |
| CYANIDE               | ppb          | Cyanide                                    |
| DIOXIN                | ppb          | Dioxin                                     |
| ETHYGLY               | ppb          | Ethylene glycol                            |
| HNITRAT               | ppb          | Nitrate, high detection limit              |
| HYPEPRA               | ppb          | 2-Hydroxy-2-methylpropanoic acid           |
| I-129                 | pCi/L        | Iodine-129                                 |
| LFLUORD               | ppb          | Fluoride, low DL                           |
| LHYDRAZ               | ppb          | Hydrazine, low detection limit             |
| LPHENOL               | ppb          | Phenol, low detection limit                |
| NC23HC                | ppb          | Tricosane                                  |
| NC24HC                | ppb          | Tetracosane                                |
| NC25HC                | ppb          | Pentacosane                                |
| NC26HC                | ppb          | Hexacosane                                 |
| NC27HC                | ppb          | Heptacosane                                |
| NC28HC                | ppb          | Octacosane                                 |
| NI-63                 | pCi/L        | Nickel-63                                  |
| PERCHLO               | ppb          | Perchlorate                                |
| PHFIELD               |              | pH (measured in field)                     |
| PH-LAB                |              | pH, laboratory                             |
| RADIUM                | pCi/L        | Radium-226                                 |
| SR 90                 | pCi/L        | Strontium-90                               |
| STYRENE               | ppb          | Styrene                                    |
| SULFIDE               | ppb          | Sulfide                                    |
| T4CLCHL               | ppb          | Trans-4-chloro-cyclohexanol                |
| TC                    | ppb          | Total carbon                               |
| TC-99                 | pCi/L        | Technetium-99                              |
| TDS                   | ppb          | Total dissolved solids                     |
| TOC                   | ppb          | Total organic carbon                       |
| TOX                   | ppb          | Total organic halogen                      |
| TOXLDL                | ppb          | Total organic halogen, low detection limit |

(a) mpn = most probable number.

TABLE C.1. (contd)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>      |
|-----------------------|--------------|-----------------------|
| TRITIUM               | pCi/L        | Tritium               |
| U                     | pCi/L        | Total uranium         |
| U-CHEM                | µg/L (a)     | Natural uranium       |
| U-236                 | pCi/L        | Uranium-236           |
| UNKNOWN               | ppb          | Unknown               |
| 24DCPEN               | ppb          | 2,3-Dichlorophethan   |
| 3BRCYEN               | ppb          | 3-Bromocyclohexene    |
| 3CLCYHE               | ppb          | 3-Chloro-cyclohexanol |
| 4ME2POL               | ppb          | 4-Methyl-2-pentanol   |
| 5ME3HOL               | ppb          | 5-Methyl-3-hexanol    |

Group: ANIONS = Ion Chromatography

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| CHLORID               | ppb          | Chloride         |
| FLUORID               | ppb          | Fluoride         |
| NITRATE               | ppb          | Nitrate          |
| PHOSPHA               | ppb          | Phosphate        |
| SULFATE               | ppb          | Sulfate          |

Group: ANIONSE = Anions Enhanced (ANIONS plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| BROMIDE               | ppb          | Bromide          |
| NITRITE               | ppb          | Nitrite          |

(a) µg/L = ppb.



TABLE C.1. (contd)

Group: DIRAQIN = Direct Aqueous Injection

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>      |
|-----------------------|--------------|-----------------------|
| 1,1-DIM               | ppb          | 1,1-dimethylhydrazine |
| 1,2-DIM               | ppb          | 1,2-dimethylhydrazine |
| ACETILE               | ppb          | Acetonitrile          |
| ACRYIDE               | ppb          | Acrylamide            |
| ALLYLAL               | ppb          | Allyl alcohol         |
| CHLACET               | ppb          | Chloroacetaldehyde    |
| CHLORAL               | ppb          | Chloral               |
| CHLPROP               | ppb          | 3-chloropropionitrile |
| CYANBRO               | ppb          | Cyanogen bromide      |
| CYANCHL               | ppb          | Cyanogen chloride     |
| CYANOGN               | ppb          | Cyanogen              |
| DICPROP               | ppb          | Dichloropropanol      |
| ETHCARB               | ppb          | Ethyl carbamate       |
| ETHCYAN               | ppb          | Ethyl cyanide         |
| ETHOXID               | ppb          | Ethylene oxide        |
| FLUOROA               | ppb          | Fluoroacetic acid     |
| GLYCIDY               | ppb          | Glycidylaldehyde      |
| HYORAZI               | ppb          | Hydrazine             |
| ISOBUTY               | ppb          | Isobutyl alcohol      |
| METZINE               | ppb          | Methyl hydrazine      |
| PARALDE               | ppb          | Paraldehyde           |
| PROPYLA               | ppb          | N-propylamine         |
| PROPYNO               | ppb          | 2-propyn-1-ol         |

Group: GAMMA = Gamma Scan

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| CO-60                 | pCi/L        | Cobalt-60        |
| CS-137                | pCi/L        | Cesium-137       |
| RU-103                | pCi/L        | Ruthenium-103    |
| RU-106                | pCi/L        | Ruthenium-106    |
| SB-125                | pCi/L        | Antimony-125     |

Group: HERB = Herbicides

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| 2,4,5TP               | ppb          | 2,4,5-TP silvex  |
| 2,4-D                 | ppb          | 2,4-D            |

TABLE C.1. (contd)

Group: HERBE = Herbicides, enhanced (HERB plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| 2,4,5-T               | ppb          | 2,4,5-T          |

Group: ICPMT = ICP Metals

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>      |
|-----------------------|--------------|-----------------------|
| ALUMNUM               | ppb          | Aluminum, unfiltered  |
| BARIUM                | ppb          | Barium, unfiltered    |
| CADMIUM               | ppb          | Cadmium, unfiltered   |
| CALCIUM               | ppb          | Calcium, unfiltered   |
| CHROMIUM              | ppb          | Chromium, unfiltered  |
| COPPER                | ppb          | Copper, unfiltered    |
| IRON                  | ppb          | Iron, unfiltered      |
| MAGNES                | ppb          | Magnesium, unfiltered |
| MANGESE               | ppb          | Manganese, unfiltered |
| NICKEL                | ppb          | Nickel, unfiltered    |
| POTASUM               | ppb          | Potassium, unfiltered |
| SILVER                | ppb          | Silver, unfiltered    |
| SODIUM                | ppb          | Sodium, unfiltered    |
| VANADIUM              | ppb          | Vanadium, unfiltered  |
| ZINC                  | ppb          | Zinc, unfiltered      |

Group: ICPMTE = ICP Metals, enhanced (ICPMT plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>      |
|-----------------------|--------------|-----------------------|
| ANTIONY               | ppb          | Antimony, unfiltered  |
| BERYLUM               | ppb          | Beryllium, unfiltered |
| OSMIUM                | ppb          | Osmium, unfiltered    |
| STRONIUM              | ppb          | Strontium, unfiltered |

Group: ICPMTF = ICP Metals, filtered

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>    |
|-----------------------|--------------|---------------------|
| FALUMIN               | ppb          | Aluminum, filtered  |
| FBIUM                 | ppb          | Barium, filtered    |
| FCADMIUM              | ppb          | Cadmium, filtered   |
| FCALCIUM              | ppb          | Calcium, filtered   |
| FCHROMIUM             | ppb          | Chromium, filtered  |
| FCOPPER               | ppb          | Copper, filtered    |
| FIRON                 | ppb          | Iron, filtered      |
| FMAGNES               | ppb          | Magnesium, filtered |
| FMANGANESE            | ppb          | Manganese, filtered |
| FNICKEL               | ppb          | Nickel, filtered    |
| FPOTASSIUM            | ppb          | Potassium, filtered |

TABLE C.1. (contd)

Group: ICPMTF = ICP Metals, filtered (continued)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>   |
|-----------------------|--------------|--------------------|
| FSILVER               | ppb          | Silver, filtered   |
| FSODIUM               | ppb          | Sodium, filtered   |
| FVANADI               | ppb          | Vanadium, filtered |
| FZINC                 | ppb          | Zinc, filtered     |

Group: ICPMTE = ICP Metals, filtered, enhanced (ICPMTF plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>    |
|-----------------------|--------------|---------------------|
| FANTIMO               | ppb          | Antimony, filtered  |
| FBERYLL               | ppb          | Beryllium, filtered |
| FOSMIUM               | ppb          | Osmium, filtered    |
| FSTRONT               | ppb          | Strontium, filtered |

Group: OMET = Other metals

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>        |
|-----------------------|--------------|-------------------------|
| ARSENIC               | ppb          | Arsenic                 |
| LEADGF                | ppb          | Lead (graphite furnace) |
| MERCURY               | ppb          | Mercury                 |
| SELENUM               | ppb          | Selenium                |

Group: OMETE = Other metals (OMET plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| THALIUM               | ppb          | Thallium         |

Group: OMEFE = Other metals, filtered

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>   |
|-----------------------|--------------|--------------------|
| FARSENI               | ppb          | Arsenic, filtered  |
| FLEAD                 | ppb          | Lead, filtered     |
| FMERCUR               | ppb          | Mercury, filtered  |
| FSELENI               | ppb          | Selenium, filtered |

Group: OMETFE = Other metals (OMETF plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>   |
|-----------------------|--------------|--------------------|
| FTHALLI               | ppb          | Thallium, filtered |



TABLE C.1. (contd)

Group: PCBS = Polychlorinated Biphenyls

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| AR1016                | ppb          | Arochlor 1016    |
| AR1221                | ppb          | Arochlor 1221    |
| AR1232                | ppb          | Arochlor 1232    |
| AR1242                | ppb          | Arochlor 1242    |
| AR1248                | ppb          | Arochlor 1248    |
| AR1254                | ppb          | Arochlor 1254    |
| AR1260                | ppb          | Arochlor 1260    |

Group: PEST = Pesticides

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| ENDRIN                | ppb          | Endrin           |
| METHLOR               | ppb          | Methoxychlor     |
| TOXAENE               | ppb          | Toxaphene        |
| a-BHC                 | ppb          | Alpha-BHC        |
| b-BHC                 | ppb          | Beta-BHC         |
| d-BHC                 | ppb          | Delta-BHC        |
| g-BHC                 | ppb          | Gamma-BHC        |

Group: PESTE = Pesticides, enhanced (PEST plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>  |
|-----------------------|--------------|-------------------|
| ALDRIN                | ppb          | Aldrin            |
| CHLLATE               | ppb          | Chlorobenzilate   |
| CHLOANE               | ppb          | Chlordane         |
| DDD                   | ppb          | DDD               |
| DDE                   | ppb          | DDE               |
| DDT                   | ppb          | DDT               |
| DIELRIN               | ppb          | Diieldrin         |
| ENDO1                 | ppb          | Endosulfan I      |
| ENDO2                 | ppb          | Endosulfan II     |
| HEPTIDE               | ppb          | Heptchlor epoxide |
| HEPTLOR               | ppb          | Heptachlor        |

Group: PHOSPST = Phosphorus Pesticides

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>        |
|-----------------------|--------------|-------------------------|
| CARBPHT               | ppb          | Carbophenothion         |
| DIMETHO               | ppb          | Dimethoate              |
| DISULFO               | ppb          | Disulfoton              |
| METHPAR               | ppb          | Methyl parathion        |
| PARATHI               | ppb          | Parathion               |
| TETEPYR               | ppb          | Tetraethylpyrophosphate |

TABLE C.1. (contd)

Group: PU-ISO = Plutonium Isotopes

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>             |
|-----------------------|--------------|------------------------------|
| PU-238                | pCi/L        | Plutonium-238                |
| PU39-40               | pCi/L        | Plutonium-239, Plutonium-240 |

Group: SEMVOL = Semivolatile Organics

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>           |
|-----------------------|--------------|----------------------------|
| 12-dben               | ppb          | 1,2-dichlorobenzene        |
| 1234TE                | ppb          | 1,2,3,4-tetrachlorobenzene |
| 1235TE                | ppb          | 1,2,3,5-tetrachlorobenzene |
| 123TRI                | ppb          | 1,2,3-trichlorobenzene     |
| 13-dben               | ppb          | 1,3-dichlorobenzene        |
| 135TRI                | ppb          | 1,3,5-trichlorobenzene     |
| 14-dben               | ppb          | 1,4-dichlorobenzene        |
| HEXACHL               | ppb          | Hexachlorophene            |
| HEXCBEN               | ppb          | Hexachlorobenzene          |
| KEROSEN               | ppb          | Kerosene                   |
| NAPHTHA               | ppb          | Naphthalene                |
| PENTCHB               | ppb          | Pentachlorobenzene         |
| PHENOL                | ppb          | Phenol                     |
| TETRCHB               | ppb          | 1,2,4,5-tetrachlorobenzene |
| TRIBUPH               | ppb          | Tributylphosphoric acid    |
| TRICHLB               | ppb          | 1,2,4-trichlorobenzene     |

Group: SEMVOLE = Semivolatile Organics, enhanced (SEMVOL plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>             |
|-----------------------|--------------|------------------------------|
| 1-napha               | ppb          | 1-naphthylamine              |
| 2-napha               | ppb          | 2-naphthylamine              |
| 24-dchp               | ppb          | 2,4-dichlorophenol           |
| 24-dint               | ppb          | 2,4-dinitrotoluene           |
| 245-trp               | ppb          | 2,4,5-trichlorophenol        |
| 246-trp               | ppb          | 2,4,6-trichlorophenol        |
| 26-dchp               | ppb          | 2,6-dichlorophenol           |
| 26-dint               | ppb          | 2,6-dinitrotoluene           |
| ACEFENE               | ppb          | 2-acetylaminofluorene        |
| ACETOPH               | ppb          | Acetophenone                 |
| AMIISOX               | ppb          | 5-(aminomethyl)-3-isoxazolol |
| AMINOYL               | ppb          | 4-aminobyphenyl              |
| AMITROL               | ppb          | Amitrole                     |
| ANILINE               | ppb          | Aniline                      |
| ARAMITE               | ppb          | Aramite                      |
| AURAMIN               | ppb          | Auramine                     |

TABLE C.1. (contd)

Group: SEMVOLE = Semivolatile Organics, enhanced (SEMVOL plus the following) (continued)

|         |     |                                     |
|---------|-----|-------------------------------------|
| BENDICM | ppb | Benzene, dichloromethyl             |
| BENDINE | ppb | Benzidine                           |
| BENTHOL | ppb | Benzenethiol                        |
| BENZAAN | ppb | Benz[a]anthracene                   |
| BENZBFL | ppb | Benzo[b]fluoranthene                |
| BENZCAC | ppb | Benz[c]acridine                     |
| BENZCHL | ppb | Benzyl chloride                     |
| BENZJFL | ppb | Benzo[j]fluoranthene                |
| BENZOPY | ppb | Benzo[a]pyrene                      |
| BIS2CHE | ppb | Bis(2-chloroethyl) ether            |
| BIS2CHM | ppb | Bis(2-chloroethoxy) methane         |
| BIS2EPH | ppb | Bis(2-ethylhexyl) phthalate         |
| BIS2ETH | ppb | Bis(2-chloroisopropyl) ether        |
| BROPHEN | ppb | 4-bromophenyl phenyl ether          |
| BUTBENP | ppb | Butyl benzyl phthalate              |
| BUTDINP | ppb | 2-sec-butyl-4,6-dinitrophenol       |
| CHALETH | ppb | Chloroalkyl ethers                  |
| CHLANIL | ppb | p-chloroaniline                     |
| CHLCRES | ppb | p-chloro-m-cresol                   |
| CHLEPOX | ppb | 1-chloro-2,3-epoxypropane           |
| CHLNAPH | ppb | 2-chloronaphthalene                 |
| CHLNAPZ | ppb | Chlornaphazine                      |
| CHLPHEN | ppb | 2-chlorophenol                      |
| CHRYSEN | ppb | Chrysene                            |
| CRESOLS | ppb | Cresols                             |
| CYCHDIN | ppb | 2-cyclohexyl-4,6-dinitrophenol      |
| DIBAEPY | ppb | Dibenzo[a,e]pyrene                  |
| DIBAHAC | ppb | Dibenz[a,h]acridine                 |
| DIBAHAN | ppb | Dibenz[a,h]anthracene               |
| DIBAHPY | ppb | Dibenzo[a,h]pyrene                  |
| DIBAIPY | ppb | Dibenzo[a,i]pyrene                  |
| DIBAJAC | ppb | Dibenz[a,j]acridine                 |
| DIBCGCA | ppb | 7H-dibenzo[c,g]carbazole            |
| DIBPHTH | ppb | Di-n-butyl phthalate                |
| DICHBEN | ppb | 3,3'-dichlorobenzidine              |
| DIEPHTH | ppb | Diethyl phthalate                   |
| DIHYSAF | ppb | Dihydrosafrole                      |
| DIMBENZ | ppb | 7,12-dimethylbenz[a]anthracene      |
| DIMEAMB | ppb | p-dimethylaminoazobenzene           |
| DIMETHB | ppb | 3,3'-dimethoxybenzidine             |
| DIMEYLB | ppb | 3,3'-dimethylbenzidine              |
| DIMPHAM | ppb | Alpha, alpha-dimethylphenethylamine |
| DIMPHEN | ppb | 2,4-dimethylphenol                  |
| DIMPHTH | ppb | Dimethyl phthalate                  |
| DINBENZ | ppb | Dinitrobenzene                      |
| DINCREC | ppb | 4,6-dinitro-o-cresol and salts      |



TABLE C.1. (contd)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>                         |
|-----------------------|--------------|--|
| DINPHEN               | ppb          | 2,4-dinitrophenol                        |
| DIOPHTH               | ppb          | Di-n-octyl phthalate                     |
| DIPHAMI               | ppb          | Diphenylamine                            |
| DIPHHYD               | ppb          | 1,2-diphenylhydrazine                    |
| DIPRNIT               | ppb          | Di-n-propylnitrosamine                   |
| ETHMETS               | ppb          | Ethyl methanesulfonate                   |
| ETHMINE               | ppb          | Ethyleneimine                            |
| FLUORAN               | ppb          | Fluoranthene                             |
| HEXAENE               | ppb          | Hexachloropropene                        |
| HEXCBUT               | ppb          | Hexachlorobutadiene                      |
| HEXCCYC               | ppb          | Hexachlorocyclopentadiene                |
| HEXCETH               | ppb          | Hexachloroethane                         |
| INDENOP               | ppb          | Indeno(1,2,3-cd)pyrene                   |
| ISOSOLE               | ppb          | Isosafrole                               |
| MALHYDR               | ppb          | Maleic hydrizide                         |
| MALOILE               | ppb          | Malononitrile                            |
| MELPHAL               | ppb          | Melphalan                                |
| METACTO               | ppb          | 2-methylactonitrile                      |
| METAZIR               | ppb          | 2-methylaziridine                        |
| METBISC               | ppb          | 4,4'-methylenebis(2-chloroaniline)       |
| METCHAN               | ppb          | 3-methylcholanthrene                     |
| METHAPY               | ppb          | Methapyrilene                            |
| METHIOU               | ppb          | Methylthiouracil                         |
| METHNYL               | ppb          | Metholonyl                               |
| METMSUL               | ppb          | Methyl methanesulfonate                  |
| METPROP               | ppb          | 2-methyl-2-(methylthio) propionaldehyde- |
| NAPHQUI               | ppb          | 1,4-naphthoquinone                       |
| NICOTIN               | ppb          | Nicotinic acid                           |
| NITBENZ               | ppb          | Nitrobenzine                             |
| NITPHEN               | ppb          | 4-nitrophenol                            |
| NITRANI               | ppb          | P-nitroaniline                           |
| NITRPYR               | ppb          | Nitrosopyrrolidine                       |
| NITRTOL               | ppb          | 5-nitro-o-toluidine                      |
| NNIBUTY               | ppb          | N-nitrosodi-n-butylamine                 |
| NNIDIEA               | ppb          | N-nitrosodiethanolamine                  |
| NNIDIEY               | ppb          | N-nitrosodiethylamine                    |
| NNIDIME               | ppb          | N-nitrosodimethylamine                   |
| NNIMETH               | ppb          | N-nitrosomethylethylamine                |
| NNIMORP               | ppb          | N-nitrosomorpholine                      |
| NNINICO               | ppb          | N-nitrosornnicotine                      |
| NNIPIPE               | ppb          | N-nitrosopiperidine                      |
| NNIURET               | ppb          | N-nitroso-N-methylurethane               |
| NNIVINY               | ppb          | N-nitrosomethylvinylamine                |
| OTOLHYD               | ppb          | O-toluidine hydrochloride                |
| PBENZQU               | ppb          | P benzoquinone                           |
| PENTCHN               | ppb          | Pentachloronitrobenzene                  |
| PENTCHP               | ppb          | Pentachlorophenol                        |

TABLE C.1. (contd)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>                  |
|-----------------------|--------------|-----------------------------------|
| PHENINE               | ppb          | Phenylenediamine                  |
| PHENTIN               | ppb          | Phenacetin                        |
| PHTHEST               | ppb          | Phthalic acid esters              |
| PICOLIN               | ppb          | 2-picoline                        |
| PRONIDE               | ppb          | Pronamide                         |
| RESERPI               | ppb          | Reserpine                         |
| RESORCI               | ppb          | Resorcinol                        |
| SAFROL                | ppb          | Safrol                            |
| STRYCHN               | ppb          | Strychnine                        |
| SYMTRIN               | ppb          | Sym-trinitrobenzene               |
| TETRCHP               | ppb          | 2,3,4,6-tetrachlorophenol         |
| THIONOX               | ppb          | Thiofanox                         |
| THIURAM               | ppb          | Thiuram                           |
| TOLUDIA               | ppb          | Toluenediamine                    |
| TRIPHOS               | ppb          | 0,0,0-triethyl phosphorothioate   |
| TRISPHO               | ppb          | Tris(2,3-dibromopropyl) phosphate |
| WARFRIN               | ppb          | Warfarin                          |

Group: THIOE = Thiourea, enhanced

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>            |
|-----------------------|--------------|-----------------------------|
| ACETREA               | ppb          | 1-acetyl-2-thiourea         |
| CHLOREA               | ppb          | 1-(o-chlorophenyl) thiourea |
| DIETRO                | ppb          | Diethylstilbesterol         |
| ETHYREA               | ppb          | Ethylenethiourea            |
| NAPHREA               | ppb          | 1-naphthyl-2-thiourea       |
| PHENREA               | ppb          | N-phenylthiourea            |
| THIOURA               | ppb          | Thiourea                    |

Group: U-ISO = Uranium Isotopes

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u> |
|-----------------------|--------------|------------------|
| U 234                 | pCi/L        | Uranium-234      |
| U 235                 | pCi/L        | Uranium-235      |
| U 238                 | pCi/L        | Uranium-238      |

Group: VOLORG = Volatile Organics

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>                          |
|-----------------------|--------------|---|
| 1,1,1-T               | ppb          | 1,1,1-trichloroethane                     |
| 1,1,2-T               | ppb          | 1,1,2-trichloroethane                     |
| CHLFORM               | ppb          | Chloroform                                |
| HEXONE                | ppb          | Hexone                                    |
| M-XYLE                | ppb          | Xylene-m                                  |
| METHONE               | ppb          | Methyl ethyl ketone                       |
| METHYCH               | ppb          | Methylene chloride                        |
| OPXYLE                | ppb          | Xylene-o,p                                |
| PERCENE               | ppb          | Perchloroethylene                         |
| TETRANE               | ppb          | Tetrachloromethane (carbon tetrachloride) |
| TRICENE               | ppb          | Trichloroethylene (1,2-trichloroethene)   |

Group: VOLORGE = Volatile Organics, enhanced (VOLORG plus the following)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>            |
|-----------------------|--------------|-----------------------------|
| 1,1-OIC               | ppb          | 1,1-dichloroethane          |
| 1,2-DIC               | ppb          | 1,2-dichloroethane          |
| 1112-tc               | ppb          | 1,1,1,2-tetrachloroethane   |
| 1122-tc               | ppb          | 1,1,2,2-tetrachloroethane   |
| 123-trp               | ppb          | 1,2,3-trichloropropane      |
| ACROLIN               | ppb          | Acrolein                    |
| ACRYILE               | ppb          | Acrylonitrile               |
| BENZENE               | ppb          | Benzene                     |
| BISTHER               | ppb          | Bis(chloromethyl) ether     |
| BROMONE               | ppb          | Bromoacetone                |
| BROMORM               | ppb          | Bromoform                   |
| CARBIDE               | ppb          | Carbon disulfide            |
| CHLBENZ               | ppb          | Chlorobenzene               |
| CHLTER                | ppb          | 2-chloroethyl vinyl ether   |
| CHMTER                | ppb          | Chloromethyl methyl ether   |
| CROTONA               | ppb          | Crotonaldehyde              |
| DIBRCHL               | ppb          | 1,2-dibromo-3-chloropropane |
| DIBRETH               | ppb          | 1,2-dibromoethane           |
| DIBRMET               | ppb          | Dibromomethane              |
| DIBUTEN               | ppb          | 1,4-dichloro-2-butene       |
| DICDIFM               | ppb          | Dichlorodifluoromethane     |
| DICETHY               | ppb          | 1,1-dichloroethylene        |
| DICPANE               | ppb          | 1,2-dichloropropane         |
| DICPENE               | ppb          | 1,3-dichloropropene         |
| DIETHY                | ppb          | Diethylarsine               |
| DIOXANE               | ppb          | Dioxane                     |
| ETHMETH               | ppb          | Ethyl methacrylate          |
| FORMALN               | ppb          | Formalin                    |
| HYDRSUL               | ppb          | Hydrogen sulfide            |
| IODOMET               | ppb          | Iodomethane                 |
| METACRY               | ppb          | Methyl methacrylate         |



TABLE C.1. (contd)

| <u>Name in Tables</u> | <u>Units</u> | <u>Full Name</u>           |
|-----------------------|--------------|----------------------------|
| METHACR               | ppb          | Methacrylonitrile          |
| METHBRO               | ppb          | Methyl bromide             |
| METHCHL               | ppb          | Methyl chloride            |
| METHTHI               | ppb          | Methanethiol               |
| NNDIEHY               | ppb          | N,N-diethylhydrazine       |
| PENTACH               | ppb          | Pentachloroethane          |
| PYRIDIN               | ppb          | Pyridine                   |
| TOLUENE               | ppb          | Toluene                    |
| TRANDCE               | ppb          | Trans-1,2-dichloroethene   |
| TRCMEOL               | ppb          | Trichloromethanethiol      |
| TRCMFLM               | ppb          | Trichloromonofluoromethane |
| TRCPANE               | ppb          | Trichloropropane           |
| VINYIDE               | ppb          | Vinyl chloride             |

TABLE C.2. Constituents Analyzed for in Ground-Water Samples from Site-Wide Chemical Monitoring Wells

| WELL NAME  | A L K A L I N I T Y | A M M O N I U M | B I S M U T H | C D N F L D E | C Y A N I D E | H N I T R A T E | L F L U O R A Z | L H Y D R A Z | P H P H | P H L A T C | T O X I C | T O X I C | T O X I C | A N I O N S | A N I O N S | D I R A Q I N | I C P M T F | I C P M T F | O M E T | O M E T | S E M V O L | S E M V O L | V O L O R G | V O L O R G | A L P H A | B E T A | G A M M A | R A D I U M | T R I U M | C | N I | S R | T C | I | U C H E M | U I S O | U I S O | P U I S O |  |  |   |   |
|------------|---------------------|-----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------|-------------|-----------|-----------|-----------|-------------|-------------|---------------|-------------|-------------|---------|---------|-------------|-------------|-------------|-------------|-----------|---------|-----------|-------------|-----------|---|-----|-----|-----|---|-----------|---------|---------|-----------|--|--|---|---|
| 199-B3-1   | X                   | X               |               | X             | X             | X               | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         |   | X   |     |     |   |           |         |         |           |  |  |   |   |
| 199-B4-1   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-B4-4   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   | X   |   |           |         |         |           |  |  |   |   |
| 199-B9-1   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-D2-5   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-D5-12  | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   | X   |   | X         |         |         |           |  |  | X |   |
| 199-D8-3   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-F5-1   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-F5-4   | X                   | X               |               | X             | X             | X               | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-F5-6   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-F7-1   | X                   | X               |               | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-F8-1   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   | X   |   |           |         |         |           |  |  |   |   |
| 199-K-11   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-19   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-20   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-22   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-27   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-28   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-29   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-K-30   | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-N-6    | X                   | X               | X             | X             |               |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-N-28   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   |   |
| 199-N-29   | X                   | X               | X             | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X | X   |     | X   | X | X         | X       |         |           |  |  |   |   |
| 299-E13-5  | X                   | X               |               | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   | X |
| 299-E13-14 | X                   | X               |               | X             | X             |                 | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   |     |   |           |         |         |           |  |  |   | X |
| 299-E17-1  | X                   | X               | X             | X             | X             | X               | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X |     | X   | X   | X | X         |         |         |           |  |  |   |   |
| 299-E17-5  | X                   | X               | X             | X             | X             | X               | X               | X             | X       | X           | X         | X         | X         | X           | X           | X             | X           | X           | X       | X       | X           | X           | X           | X           | X         | X       | X         | X           | X         | X | X   |     | X   | X | X         | X       |         | X         |  |  |   |   |

TABLE C.2. (contd)

| WELL NAME  | A L K A L I N | A M M O N I U M | B I S M U T H | C O N D U C T I V I T Y | C Y A N I D E | H N I T R A T E | L F L U O R I D E | L H Y D R A Z I D E | P H | P H L A T C | T O X I C | T O X I C | T O X I C | A N I O N S | A N I O N S | D I R A Q I N | I C P M T F | I C P M T F | I C P M T F | S E M V O L | S E M V O L | S E M V O L | V O L D R G E | V O L D R G E | A L P H A | G B E T A | R A M M A | T R I D I U M | T I U M | N C | S I | T R | I C | 1 2 9 | U C H E M | U I S O | U 2 3 8 | P U I S O |   |   |
|------------|---------------|-----------------|---------------|-------------------------|---------------|-----------------|-------------------|---------------------|-----|-------------|-----------|-----------|-----------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------|-----------|-----------|---------------|---------|-----|-----|-----|-----|-------|-----------|---------|---------|-----------|---|---|
| 299-E17-6  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X | X |
| 299-E17-9  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X | X |
| 299-E24-2  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E24-8  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E24-12 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-18 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-19 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-20 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-21 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-22 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-23 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E25-24 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E27-5  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E28-21 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E32-1  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-1  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-3  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-5  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-8  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-10 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-18 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-21 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E33-24 | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-E34-1  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-W10-4  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-W10-8  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |
| 299-W10-9  | X             | X               | X             | X                       | X             | X               | X                 | X                   | X   | X           | X         | X         | X         | X           | X           | X             | X           | X           | X           | X           | X           | X           | X             | X             | X         | X         | X         | X             | X       | X   | X   | X   | X   | X     | X         | X       | X       | X         | X |   |

C.16



TABLE C.2. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | A<br>L<br>K<br>A<br>L<br>I<br>N | A<br>M<br>M<br>O<br>N<br>I<br>U | B<br>I<br>S<br>M<br>U<br>T<br>H | C<br>O<br>N<br>D<br>F<br>L<br>D | C<br>Y<br>A<br>N<br>I<br>D<br>E | H<br>N<br>I<br>T<br>R<br>A<br>T | L<br>F<br>L<br>U<br>R<br>D | L<br>H<br>Y<br>D<br>R<br>A<br>Z | P<br>H<br>F<br>I<br>E<br>L<br>D | P<br>H<br>L<br>A<br>B | T<br>O<br>C | T<br>O<br>C | T<br>O<br>X | T<br>O<br>X | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S | D<br>I<br>R<br>A<br>Q<br>I<br>N | I<br>C<br>P<br>M<br>T | I<br>C<br>P<br>M<br>T<br>F | I<br>C<br>P<br>M<br>T<br>F<br>E | O<br>M<br>E<br>T | O<br>M<br>E<br>T<br>F | S<br>E<br>M<br>V<br>O<br>L | S<br>E<br>M<br>V<br>O<br>L<br>E | V<br>O<br>L<br>O<br>R<br>G | V<br>O<br>L<br>O<br>R<br>G<br>E | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | R<br>A<br>D<br>I<br>U<br>M | T<br>R<br>I<br>T<br>I<br>U<br>M | C | N<br>I | S<br>R | T<br>C | I<br>1<br>2<br>9 | U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>D | U<br>2<br>3<br>8 | P<br>U<br>I<br>S<br>O |   |   |   |   |
|--------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------------|---------------------------------|-----------------------|-------------|-------------|-------------|-------------|----------------------------|----------------------------|---------------------------------|-----------------------|----------------------------|---------------------------------|------------------|-----------------------|----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------|------------------|-----------------------|----------------------------|---------------------------------|---|--------|--------|--------|------------------|-----------------------|------------------|------------------|-----------------------|---|---|---|---|
| 299-W14-2                            | X                               | X                               | X                               | X                               | X                               |                                 | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                |                       | X                          |                                 | X |        | X      |        |                  |                       |                  |                  |                       | X |   |   |   |
| 299-W14-5                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  |                       |                  |                  |                       |   | X |   |   |
| 299-W14-8                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  |                       |                  |                  |                       |   | X |   |   |
| 299-W15-4                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  |                       |                  |                  |                       |   | X |   |   |
| 299-W15-10                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          | X                               | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  |                       |                  |                  |                       |   | X |   |   |
| 299-W15-11                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          | X                               | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  |                       |                  |                  |                       |   | X |   |   |
| 299-W18-15                           | X                               | X                               |                                 | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                | X                     |   | X |   |   |
| 299-W19-3                            | X                               | X                               |                                 | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          | X                               | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X | X      | X      | X      | X                | X                     | X                | X                | X                     | X | X |   |   |
| 299-W19-5                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-9                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-11                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-13                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-15                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          | X                               | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-16                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           | X                          | X                          | X                               | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W19-20                           | X                               | X                               |                                 | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          | X                               | X                     | X                          | X                               | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X | X      | X      | X      | X                | X                     | X                | X                | X                     | X | X | X |   |
| 299-W19-24                           | X                               | X                               |                                 | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          | X                               | X                     | X                          | X                               | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X | X      | X      | X      | X                | X                     | X                | X                | X                     | X | X | X |   |
| 299-W22-12                           | X                               | X                               |                                 | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W22-20                           | X                               | X                               |                                 | X                               | X                               |                                 | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W22-22                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          | X                               | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W22-26                           | X                               | X                               | X                               | X                               | X                               |                                 | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W23-10                           | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          | X                               | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 299-W27-1                            | X                               | X                               | X                               | X                               | X                               | X                               | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          | X                               | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 499-S1-7C                            | X                               | X                               |                                 | X                               | X                               |                                 | X                          | X                               | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                |                       | X                          |                                 | X |        | X      |        | X                |                       | X                |                  | X                     |   | X |   |   |
| 499-S1-8A                            | X                               | X                               | X                               | X                               | X                               |                                 | X                          | X                               | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 499-S1-8B                            | X                               | X                               |                                 | X                               | X                               | X                               |                            |                                 | X                               | X                     | X           | X           |             | X           | X                          |                            | X                               |                       | X                          | X                               |                  | X                     | X                          |                                 | X                          | X                               | X                     | X                | X                     |                            | X                               |   | X      |        | X      |                  | X                     |                  | X                |                       | X |   | X |   |
| 699-2-3                              | X                               | X                               | X                               | X                               | X                               |                                 | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                |                       | X                          |                                 | X |        | X      |        | X                |                       | X                |                  | X                     |   | X |   | X |
| 699-2-33A                            | X                               | X                               | X                               | X                               |                                 |                                 | X                          |                                 | X                               | X                     | X           | X           |             | X           |                            | X                          |                                 | X                     | X                          |                                 | X                | X                     |                            | X                               | X                          | X                               | X                     | X                |                       | X                          |                                 | X |        | X      |        | X                |                       | X                |                  | X                     |   | X |   | X |

C.17



TABLE C.2. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | A<br>L<br>K<br>A<br>L<br>I<br>N | A<br>M<br>M<br>O<br>N<br>I<br>U<br>M | B<br>I<br>S<br>M<br>U<br>T<br>H | C<br>O<br>N<br>D<br>U<br>L<br>D | C<br>Y<br>A<br>N<br>I<br>D<br>E | H<br>N<br>T<br>R<br>A<br>T | L<br>F<br>L<br>U<br>O<br>R<br>D | L<br>H<br>Y<br>D<br>R<br>A<br>Z | P<br>H<br>F<br>I<br>E<br>L<br>D | P<br>H<br>L<br>A<br>B<br>C | T<br>O<br>C<br>C | T<br>O<br>X<br>I<br>C<br>T<br>O<br>X<br>I<br>C | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E | D<br>I<br>R<br>A<br>Q<br>I<br>N | I<br>C<br>P<br>M<br>T<br>F | I<br>C<br>P<br>M<br>T<br>F<br>E | O<br>M<br>E<br>T<br>F | O<br>M<br>E<br>T<br>F | S<br>E<br>M<br>V<br>O<br>L | S<br>E<br>M<br>V<br>O<br>L<br>E | V<br>O<br>L<br>O<br>R<br>G | V<br>D<br>L<br>O<br>R<br>G<br>E | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | R<br>A<br>D<br>I<br>U<br>M | T<br>R<br>I<br>T<br>I<br>U<br>M | C<br>1<br>4 | N<br>I<br>3 | S<br>R<br>0 | T<br>C<br>9 | I<br>1<br>2<br>9<br>U | U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>O | U<br>2<br>3<br>8 | P<br>U<br>I<br>S<br>D |   |   |   |   |  |  |  |  |
|--------------------------------------|---------------------------------|--------------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|------------------|--|----------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------|-----------------------|----------------------------|---------------------------------|----------------------------|---------------------------------|-----------------------|------------------|-----------------------|----------------------------|---------------------------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|------------------|------------------|-----------------------|---|---|---|---|--|--|--|--|
| 699-37-E4                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               |             |             | X           |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-37-43                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             | X                     | X                     |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-37-82A                           | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               |                                 | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-38-65                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               |                                 | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  | X                |                       |   |   |   |   |  |  |  |  |
| 699-38-78                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               | X                               | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           | X           | X           | X                     | X                     | X                | X                | X                     | X | X | X | X |  |  |  |  |
| 699-39-79                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               | X                               | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           | X           |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-46-1                             | X                               | X                                    | X                               | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             | X                     | X                     |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-46-33A                           | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               |                                 | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-46-62                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-41-1                             | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             | X                     | X                     | X                | X                |                       |   |   |   |   |  |  |  |  |
| 699-42-2                             | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-43-3                             | X                               | X                                    |                                 | X                               | X                               | X                          |                                 |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-43-88                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               | X                               | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-44-64                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-45-2                             | X                               | X                                    |                                 | X                               | X                               | X                          |                                 |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-45-42                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           | X           |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-45-69A                           | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-46-4                             | X                               | X                                    |                                 | X                               | X                               | X                          |                                 |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-47-5                             | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-47-46A                           | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-47-58                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           | X           |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-47-68                            | X                               | X                                    |                                 | X                               | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-48-7                             | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-48-18                            | X                               | X                                    | X                               |                                 | X                               | X                          | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-48-71                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-49-55A                           | X                               | X                                    | X                               | X                               | X                               |                            | X                               | X                               | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |
| 699-49-57                            | X                               | X                                    | X                               | X                               | X                               |                            | X                               |                                 | X                               | X                          | X                | X  | X                          | X                               | X                               | X                          | X                               | X                     | X                     | X                          | X                               | X                          | X                               | X                     | X                | X                     | X                          | X                               | X           | X           |             |             |                       |                       |                  |                  |                       |   |   |   |   |  |  |  |  |







TABLE C.3. Results for Site-Wide Chemical Monitoring Wells

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                      | SAMPLE DATE |                    | SAMPLE DATE |                    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|-------------|--------------------|-------------|--------------------|
|                  |       |                             |                         | 1-B3-1      | 1-B3-1               | 1-B4-1      | 1-B4-1             | 1-B4-4      | 1-B4-4             |
| ALKALIN          |       |                             |                         | 10/19/87    | 105000.00 0          | 07/30/87    | 100000.00 0        | 07/30/87    | 105000.00 0        |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 10/19/87    | 2.24<br>{ 1.34}      | 07/30/87    |                    | 07/30/87    |                    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 10/19/87    | 147.00 +<br>{ 11.20} | 07/30/87    | 58.60 +<br>{ 7.88} | 07/30/87    | 92.80 +<br>{ 9.15} |
| CHLORID          | PPB   | 500.00                      |                         | 10/19/87    | 9430.00              | 07/30/87    | 9250.00            | 07/30/87    | 8500.00            |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/02/87    | 7.32<br>{ 5.97}      | 07/30/87    |                    | 07/30/87    |                    |
|                  |       |                             |                         | 10/19/87    | 6.08<br>{ 5.43}      | 10/19/87    |                    | 10/19/87    | 5.00<br>{ 4.54}    |
| CONDFLD          | UMHO  | 1.00                        |                         | 10/19/87    | 318.00               | 07/30/87    | 307.00             | 07/30/87    | 289.00             |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/02/87    | 9.07<br>{ 5.24}      | 07/30/87    |                    | 07/30/87    |                    |
|                  |       |                             |                         | 10/19/87    |                      | 10/19/87    |                    | 10/19/87    |                    |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 10/19/87    | 40.00                | 07/30/87    | 33.00              | 07/30/87    | 22.00              |
| FCALCIU          | PPB   | 50.00                       |                         | 10/19/87    | 51600.00             | 07/30/87    | 30500.00           | 07/30/87    | 30200.00           |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 10/19/87    | 47.00                | 07/30/87    | 13.00              | 07/30/87    | 12.00              |
| FMAGNES          | PPB   | 0.00                        |                         | 10/19/87    | 8330.00              | 07/30/87    | 5570.00            | 07/30/87    | 6810.00            |
| FMANGAN          | PPB   | 5.00                        |                         | 10/19/87    |                      | 07/30/87    |                    | 07/30/87    | 5.00               |
| FPOTASS          | PPB   | 100.00                      |                         | 10/19/87    | 1930.00              | 07/30/87    | 4170.00            | 07/30/87    | 4750.00            |
| FSODIUM          | PPB   | 100.00                      |                         | 10/19/87    | 9470.00              | 07/30/87    | 10900.00           | 07/30/87    | 11000.00           |
| FVANADI          | PPB   | 5.00                        |                         | 10/19/87    |                      | 07/30/87    | 6.00               | 07/30/87    | 7.00               |
| FZINC            | PPB   | 5.00                        |                         | 10/19/87    | 33.00                | 07/30/87    |                    | 07/30/87    |                    |

C.22

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-B3-1     |    | SAMPLE DATE | 1-B4-1     |                     |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|----|-------------|------------|---------------------|
|                  |       |                             |                         |             |            |    |             |            |                     |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/02/87    | 55000.00 * |    | 07/30/87    | NR         | NR                  |
|                  |       |                             |                         | 10/19/87    | 30300.00   | NR |             | NR         |                     |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 10/19/87    | 184.00     |    | 07/30/87    | 241.00     | 07/30/87 263.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/19/87    | 30400.00   |    | 07/30/87    | 11200.00   | 07/30/87 9300.00    |
| PH-LAB           |       | 0.01                        |                         | 10/19/87    | 7.74       |    | 07/30/87    | 7.69       | 07/30/87 7.76       |
| PHFIELD          |       | 0.10                        |                         | 10/19/87    | 7.10       |    | 07/30/87    | 7.00       | 07/30/87 7.00       |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/02/87    |            |    | 07/30/87    |            | 07/30/87 53.00 *    |
|                  |       |                             |                         | 10/19/87    |            |    | 10/19/87    |            | { 53.00 }           |
| SR 90            | PCI/L | 5.00                        | 0.00                    | 10/19/87    | 55.20 *    |    | 10/19/87    | 27.30 *    | 07/30/87 31.00 *    |
|                  |       |                             |                         |             | { 3.61 }   |    |             | { 2.66 }   | { 2.86 }            |
|                  |       |                             |                         |             | NR         |    |             | NR         | 10/19/87 35.40 *    |
|                  |       |                             |                         |             |            |    |             | { 2.54 }   |                     |
| SULFATE          | PPB   | 500.00                      |                         | 10/19/87    | 44400.00   |    | 07/30/87    | 40500.00   | 07/30/87 36300.00   |
| TC               | PPB   |                             |                         | 10/19/87    | 24600.00 0 |    | 07/30/87    | 25000.00 0 | 07/30/87 25000.00 0 |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         |    |             | NR         | 07/30/87 66.00      |
|                  |       |                             |                         |             |            |    |             |            | { 1.72 }            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/02/87    | 2500.00    |    | 07/30/87    | 8000.00    | 07/30/87 1730.00    |
|                  |       |                             |                         |             | { 228.00 } |    |             | { 394.00 } | { 210.00 }          |
|                  |       |                             |                         | 10/19/87    | 3830.00    |    | 10/19/87    | 38800.00 * | 10/19/87 2300.00    |
|                  |       |                             |                         |             | { 290.00 } |    |             | { 272.00 } |                     |

C.23

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE       |          | SAMPLE DATE       |          |                   |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|----------|-------------------|----------|-------------------|
|                  |       |                             |                         |             | 1-09-1            | 1-02-5   | 1-05-12           | 1-05-12  |                   |
| ALKALIN          |       |                             |                         | 07/31/87    | 112000.00 0       | 07/29/87 | 102000.00 0       | 07/30/87 | 94000.00 0        |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/31/87    | { 1.00<br>1.40 }  | 07/29/87 |                   | 07/30/87 | { 1.40<br>1.31 }  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/31/87    | { 20.10<br>5.17 } | 07/29/87 | { 10.00<br>4.57 } | 07/30/87 | { 91.00<br>9.35 } |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/31/87    |                   | 07/29/87 |                   | 07/30/87 | 14.00             |
| CHLDRID          | PPB   | 500.00                      |                         | 07/31/87    | 13000.00          | 07/29/87 | 20000.00          | 07/30/87 | 21300.00          |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/31/87    | 320.00            | 07/29/87 | 502.00            | 07/30/87 | 610.00            |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 07/31/87    | 10.00             | 07/29/87 | 100.00            | 07/30/87 | 110.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 07/31/87    | 40500.00          | 07/29/87 | 74300.00          | 07/30/87 | 68200.00          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/31/87    | 10.00             | 07/29/87 | 205.00 *          | 07/30/87 | 1590.00 *         |
| FMAGNES          | PPB   | 0.00                        |                         | 07/31/87    | 10000.00          | 07/29/87 | 27000.00          | 07/30/87 | 17500.00          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/31/87    | 7050.00           | 07/29/87 | 6290.00           | 07/30/87 | 4930.00           |
| FSODIUM          | PPB   | 100.00                      |                         | 07/31/87    | 13000.00          | 07/29/87 | 15500.00          | 07/30/87 | 15000.00          |
| FSTRONT          | PPB   | 300.00                      |                         | 07/31/87    |                   | 07/29/87 | 630.00            | 07/30/87 |                   |
| FVANADI          | PPB   | 5.00                        |                         | 07/31/87    | 13.00             | 07/29/87 | 10.00             | 07/30/87 | 9.00              |
| FZINC            | PPB   | 5.00                        |                         | 07/31/87    |                   | 07/29/87 |                   | 07/30/87 | 14.00             |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/31/87    | 300.00            | 07/29/87 | 177.00            | 07/30/87 | 170.00            |
| MITRATE          | PPB   | 500.00                      | 45000.00                | 07/31/87    | 21100.00          | 07/29/87 | 82000.00 *        | 07/30/87 | 66000.00 *        |
| PH-LAB           |       | 0.01                        |                         | 07/31/87    | 7.77              | 07/29/87 | 7.72              | 07/30/87 | 7.68              |
| PHFIELD          |       | 0.10                        |                         | 07/31/87    | 6.80              | 07/29/87 | 7.20              | 07/30/87 | 7.20              |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.24

TABLE C.3. (contd)

| CONSTITUENT NAME | UMITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-B9-1                | SAMPLE DATE | 1-D2-5                   | SAMPLE DATE | 1-D5-12               |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------------|-------------|--------------------------|-------------|-----------------------|
| SR 98            | PCI/L | 5.00                        | 8.00                    |             | NR                    | 10/14/87    |                          | 10/14/87    | 45.90 *<br>{ 3.37 }   |
| SULFATE          | PPB   | 500.00                      |                         | 07/31/87    | 70400.00              | 07/29/87    | 103000.00                | 07/30/87    | 139000.00             |
| TC               | PPB   |                             |                         | 07/31/87    | 24700.00 0            | 07/29/87    | 25100.00 0               | 07/30/87    | 24300.00 0            |
| TDC              | PPB   | 1000.00                     |                         | 07/31/87    |                       | 07/29/87    | 1450.00                  | 07/30/87    | 1810.00               |
| TOXLDL           | PPB   | 20.00                       |                         | 07/31/87    |                       | 07/29/87    |                          | 07/30/87    | 24.40                 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 1450.00<br>{ 200.00 } | 07/29/87    | 30500.00 *<br>{ 800.00 } | 07/30/87    | 5200.00<br>{ 290.00 } |
|                  |       |                             |                         | 10/19/87    | 1770.00<br>{ 250.00 } | 10/14/87    | 32400.00 *<br>{ 701.00 } | 10/14/87    | 7760.00<br>{ 388.00 } |
| U                | PCI/L | 0.50                        | 800.00                  |             | NR                    |             | NR                       | 07/30/87    | 1.80                  |
|                  |       |                             |                         |             | NR                    |             | NR                       | 10/14/87    | 3.54                  |

C.25

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | SAMPLE DATE            |                      | SAMPLE DATE                                | SAMPLE DATE          |                        |
|------------------|-------|-----------------------------|-------------------------|----------------------|------------------------|----------------------|--|----------------------|------------------------|
|                  |       |                             |                         |                      | 1-D8-3                 | 1-F5-1               |  |                      |                        |
| ALKALIN          |       |                             |                         | 07/30/87             | 54100.00 0<br>NR       | 07/27/87<br>10/15/87 | 97200.00 0<br>93700.00 0                   | 10/15/87             | 199000.00 0<br>NR      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/30/87             | { 1.44<br>1.11 }<br>NR | 07/27/87<br>10/15/87 |  | 10/15/87             | { 7.30<br>2.87 }<br>NR |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/30/87             | { 9.51<br>4.23 }<br>NR | 07/27/87<br>10/15/87 | { 64.00 +<br>7.80 }<br>{ 73.90 +<br>8.07 } | 10/15/87             | { 8.51<br>4.30 }<br>NR |
| CHLORID          | PPB   | 500.00                      |                         | 07/30/87             | 17400.00<br>NR         | 07/27/87<br>10/15/87 | 2400.00<br>2580.00                         | 10/15/87             | 40000.00<br>NR         |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/30/87<br>10/14/87 |                        | 07/27/87<br>10/15/87 | { 6.00<br>4.96 }                           | 07/02/87<br>10/15/87 |                        |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/30/87             | 335.00<br>NR           | 07/27/87<br>10/15/87 | 230.00<br>261.00                           | 10/15/87             | 704.00<br>NR           |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/30/87             | 62.00<br>NR            | 07/27/87<br>10/15/87 | 47.00<br>39.00                             | 10/15/87             | 60.00<br>NR            |
| FCALCIU          | PPB   | 50.00                       |                         | 07/30/87             | 38900.00<br>NR         | 07/27/87<br>10/15/87 | 38200.00<br>36300.00                       | 10/15/87             | 97600.00<br>NR         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/30/87             | 151.00 *<br>NR         | 07/27/87<br>10/15/87 |  | 10/15/87             | NR                     |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/30/87             | NR                     | 07/27/87<br>10/15/87 |  | 10/15/87             | 611.00<br>NR           |
| FMAGNES          | PPB   | 0.00                        |                         | 07/30/87             | 8080.00<br>NR          | 07/27/87<br>10/15/87 | 5960.00<br>6640.00                         | 10/15/87             | 26000.00<br>NR         |
| FPOTASS          | PPB   | 100.00                      |                         | 07/30/87             | 4380.00                | 07/27/87             | 2080.00                                    | 10/15/87             | 6190.00                |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.26

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | SAMPLE DATE      |                      | SAMPLE DATE              |  |
|------------------|-------|-----------------------------|-------------------------|----------------------|------------------|----------------------|--------------------------|--|
|                  |       |                             |                         |                      | 1-D8-3           | 1-F5-1               | 1-F5-1                   | 1-F5-4   |
| FPOTASS          | PPB   | 100.00                      |                         |                      | NR               | 10/15/87             | 2600.00                  | NR   |
| FSODIUM          | PPB   | 100.00                      |                         | 07/30/87             | 5950.00<br>NR    | 07/27/87<br>10/15/87 | 3500.00<br>4240.00       | 10/15/87<br>23200.00<br>NR                       |
| FSTRONT          | PPB   | 300.00                      |                         | 07/30/87             | NR               | 07/27/87<br>10/15/87 |                          | 10/15/87<br>787.00<br>NR                         |
| FVANADI          | PPB   | 5.00                        |                         | 07/30/87             | NR               | 07/27/87<br>10/15/87 | 7.00                     | 10/15/87<br>10.00<br>NR                          |
| FZINC            | PPB   | 5.00                        |                         | 07/30/87             | NR               | 07/27/87<br>10/15/87 |                          | 10/15/87<br>8.00<br>NR                           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |                      | NR<br>NR         |                      | NR<br>NR                 | 07/02/87<br>10/15/87<br>84000.00 *<br>88100.00 * |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/30/87             | 130.00<br>NR     | 07/27/87<br>10/15/87 | 115.00<br>100.00         | 10/15/87<br>165.00<br>NR                         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/30/87             | 27300.00<br>NR   | 07/27/87<br>10/15/87 | 7800.00<br>14300.00      | 10/15/87<br>88000.00 *<br>NR                     |
| PH-LAB           |       | 0.01                        |                         | 07/30/87             | 7.59<br>NR       | 07/27/87<br>10/15/87 | 7.40<br>7.49             | 10/15/87<br>7.79<br>NR                           |
| PHFIELD          |       | 0.10                        |                         | 07/30/87             | 7.10<br>NR       | 07/27/87<br>10/15/87 | 6.20<br>7.00             | 10/15/87<br>7.40<br>NR                           |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/30/87<br>10/14/87 |                  | 07/27/87<br>10/15/87 |                          | 07/02/87<br>10/15/87<br>50.00 *<br>{ 30.20 }     |
| SULFATE          | PPB   | 500.00                      |                         | 07/30/87             | 68000.00<br>NR   | 07/27/87<br>10/15/87 | 24500.00<br>29900.00     | 10/15/87<br>125000.00<br>NR                      |
| TC               | PPB   |                             |                         | 07/30/87             | 13900.00 0<br>NR | 07/27/87<br>10/15/87 | 24300.00 0<br>23000.00 0 | 10/15/87<br>47500.00 0<br>NR                     |
| TOC              | PPB   | 1000.00                     |                         | 07/30/87             |                  | 07/27/87             | 1090.00                  | 10/15/87<br>1000.00                              |

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 \* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.27

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-D8-3      |            |  | 1-F5-1      |            |          | 1-F5-4      |       |  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|-------------|------------|----------|-------------|-------|--|
|                  |       |                             |                         | SAMPLE DATE |            |  | SAMPLE DATE |            |          | SAMPLE DATE |       |  |
| TOC              | PPB   | 1000.00                     |                         |             | NR         |  | 10/15/87    |            |          |             | NR    |  |
| TOXLDL           | PPB   | 20.00                       |                         | 07/30/87    |            |  | 07/27/87    |            | 10/15/87 |             | 22.90 |  |
|                  |       |                             |                         |             | NR         |  | 10/15/87    |            |          |             | NR    |  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 4130.00    |  | 07/27/87    | 641.00     | 07/02/87 | 16800.00    |       |  |
|                  |       |                             |                         | 10/14/87    | { 270.00 } |  | 10/15/87    | { 177.00 } | 10/15/87 | { 451.00 }  |       |  |
|                  |       |                             |                         |             | 4300.00    |  |             |            |          | 10200.00    |       |  |
|                  |       |                             |                         |             | { 320.00 } |  |             |            |          | { 519.00 }  |       |  |
| U                | PCI/L | 0.50                        | 000.00                  |             | NR         |  | 07/27/87    | 0.75       | 07/02/87 |             | 0.44  |  |
|                  |       |                             |                         |             | NR         |  | 10/15/87    | 0.68       | 10/15/87 |             | 7.12  |  |

C.28

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                   | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 1-F6-0      | 1-F7-1            | 1-F6-1      | 1-F7-1      | 1-F8-1      |             |
| ALKALIN          |       |                             |                         | 07/27/87    | 92700.00 0<br>NR  | 07/27/87    | 200000.00 0 | 07/27/87    | 300000.00 0 |
|                  |       |                             |                         |             |                   | 10/15/87    | 209000.00 0 | 10/13/87    | 304000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/27/87    |                   | 07/27/87    | 6.87        | 07/27/87    | 203.00 *    |
|                  |       |                             |                         |             |                   |             | { 2.79 }    |             | { 10.10 }   |
|                  |       |                             |                         |             |                   | 10/15/87    | 7.00        | 10/13/87    | 219.00 *    |
|                  |       |                             |                         |             |                   |             | { 3.22 }    |             | { 17.90 }   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/27/87    | 11.50<br>{ 4.25 } | 07/27/87    | 11.70       | 07/27/87    | 117.00 *    |
|                  |       |                             |                         |             | NR                | 10/15/87    | 13.10       | 10/13/87    | 93.70 *     |
|                  |       |                             |                         |             |                   |             | { 4.05 }    |             | { 10.50 }   |
| CHLORID          | PPB   | 500.00                      |                         | 07/27/87    | 8500.00<br>NR     | 07/27/87    | 32200.00    | 07/27/87    | 32800.00    |
|                  |       |                             |                         |             |                   | 10/15/87    | 31100.00    | 10/13/87    | 30700.00    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/27/87    |                   | 07/27/87    | 8.10        | 07/27/87    |             |
|                  |       |                             |                         |             |                   | 10/15/87    | { 5.73 }    |             |             |
|                  |       |                             |                         |             |                   |             | 6.00        | 08/11/87    |             |
|                  |       |                             |                         |             |                   |             | { 5.44 }    |             |             |
|                  |       |                             |                         |             | NR                |             | NR          | 09/08/87    |             |
|                  |       |                             |                         |             | NR                |             | NR          | 10/13/87    |             |
|                  |       |                             |                         |             | NR                |             | NR          | 11/08/87    | 5.64        |
|                  |       |                             |                         |             | NR                |             | NR          | 12/03/87    | { 5.05 }    |
|                  |       |                             |                         |             |                   |             |             |             | { 5.08 }    |
|                  |       |                             |                         |             |                   |             |             |             | { 5.00 }    |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/27/87    | 220.00<br>NR      | 07/27/87    | 656.00      | 07/27/87    | 975.00      |
|                  |       |                             |                         |             |                   | 10/15/87    | 711.00      | 10/13/87    | 1085.00     |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/27/87    |                   | 07/27/87    |             | 07/27/87    |             |
|                  |       |                             |                         |             |                   | 10/15/87    |             | 09/11/87    |             |
|                  |       |                             |                         |             | 6.89<br>{ 4.35 }  |             |             |             |             |
|                  |       |                             |                         |             | NR                |             | NR          | 09/08/87    |             |
|                  |       |                             |                         |             | NR                |             | NR          | 10/13/87    |             |
|                  |       |                             |                         |             | NR                |             | NR          | 11/08/87    |             |
|                  |       |                             |                         |             | NR                |             | NR          | 12/03/87    |             |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/27/87    |                   | 10/15/87    | 8.00        | 07/27/87    |             |

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 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.29

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 1-F6-6         |                | 1-F7-1               |                   | 1-F8-1               |                        |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|----------------------|-------------------|----------------------|------------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE | 1-F6-6         | SAMPLE<br>DATE       | 1-F7-1            | SAMPLE<br>DATE       | 1-F8-1                 |
| FARSENI             | PPB   | 5.00                              | 50.00                         |                | NR             |                      | NR                | 10/13/87             |                        |
| FBARIUM             | PPB   | 6.00                              | 1000.00                       | 07/27/87       | 14.00<br>NR    | 10/15/87             | 58.00<br>NR       | 07/27/87<br>10/13/87 | 110.00<br>133.00       |
| FCALCIU             | PPB   | 50.00                             |                               | 07/27/87       | 21000.00<br>NR | 10/15/87             | 74100.00<br>NR    | 07/27/87<br>10/13/87 | 125000.00<br>152000.00 |
| FCHROMI             | PPB   | 10.00                             | 50.00                         | 07/27/87       | NR             | 10/15/87             | NR                | 07/27/87<br>10/13/87 | 10.00                  |
| FIRON               | PPB   | 50.00                             |                               | 07/27/87       | 611.00<br>NR   | 10/15/87             | NR                | 07/27/87<br>10/13/87 |                        |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 07/27/87       | NR             | 07/27/87<br>10/15/87 | 881.00<br>1030.00 | 07/27/87<br>10/13/87 | 808.00                 |
| FMAGNES             | PPB   | 0.00                              |                               | 07/27/87       | 6170.00<br>NR  | 10/15/87             | 24000.00<br>NR    | 07/27/87<br>10/13/87 | 34100.00<br>41100.00   |
| FMANGAN             | PPB   | 5.00                              |                               | 07/27/87       | 23.00<br>NR    | 10/15/87             | NR                | 07/27/87<br>10/13/87 |                        |
| FPOTASS             | PPB   | 100.00                            |                               | 07/27/87       | 3630.00<br>NR  | 10/15/87             | 8070.00<br>NR     | 07/27/87<br>10/13/87 | 5690.00<br>8310.00     |
| FSODIUM             | PPB   | 100.00                            |                               | 07/27/87       | 17900.00<br>NR | 10/15/87             | 60400.00<br>NR    | 07/27/87<br>10/13/87 | 40700.00<br>60000.00   |
| FSTRONT             | PPB   | 300.00                            |                               | 07/27/87       | NR             | 10/15/87             | 532.00<br>NR      | 07/27/87<br>10/13/87 | 1110.00<br>1290.00     |
| FVANADI             | PPB   | 5.00                              |                               | 07/27/87       | NR             | 10/15/87             | 20.00<br>NR       | 07/27/87<br>10/13/87 | 5.00                   |
| FZINC               | PPB   | 5.00                              |                               | 07/27/87       | NR             | 10/15/87             | 31.00<br>NR       | 07/27/87<br>10/13/87 | 0.00                   |
| LFLUORD             | PPB   | 20.00                             | 4000.00                       | 07/27/87       | 275.00         | 07/27/87             | 575.00            | 07/27/87             | 187.00                 |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.30

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |                 |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|-----------------|
|                  |       |                             |                         | 1-F5-6      | 1-F7-1     | 1-F8-1      | 1-F8-1     | 1-F8-1      |                 |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | NR          | 10/15/87   | 800.00      | 10/13/87   | 197.00      |                 |
| METHYCH          | PPB   | 10.00                       |                         | 07/27/87    | 07/27/87   | 07/27/87    | 07/27/87   | 07/27/87    |                 |
|                  |       |                             |                         |             | 10/15/87   | 34.00       | 10/13/87   |             |                 |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/27/87    | 07/27/87   | 95100.00 *  | 07/27/87   | 184000.00 * |                 |
|                  |       |                             |                         |             | 10/15/87   | 104000.00 * | 10/13/87   | 218000.00 * |                 |
| PH-LAB           |       | 0.01                        |                         | 07/27/87    | 7.88       | 07/27/87    | 7.90       | 07/27/87    | 7.51            |
|                  |       |                             |                         |             | NR         | 10/15/87    | 7.57       | 10/13/87    | 7.57            |
| PHFIELD          |       | 0.10                        |                         | 07/27/87    | 0.50       | 07/27/87    | 0.50       | 07/27/87    | 7.00            |
|                  |       |                             |                         |             | NR         | 10/15/87    | 7.20       | 10/13/87    | 7.70            |
| SULFATE          | PPB   | 500.00                      |                         | 07/27/87    | 23500.00   | 07/27/87    | 87400.00   | 07/27/87    | 01200.00        |
|                  |       |                             |                         |             | NR         | 10/15/87    | 86000.00   | 10/13/87    | 09300.00        |
| TC               | PPB   |                             |                         | 07/27/87    | 22000.00 0 | 07/27/87    | 51000.00 0 | 07/27/87    | 02800.00 0      |
|                  |       |                             |                         |             | NR         | 10/15/87    | 52400.00 0 | 10/13/87    | 09500.00 0      |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         |             | NR         | 07/27/87    | 4.95<br>( 1.00) |
| TDC              | PPB   | 1000.00                     |                         | 07/27/87    |            | 07/27/87    | 2300.00    | 07/27/87    | 3030.00         |
|                  |       |                             |                         |             | NR         | 10/15/87    | 1700.00    | 10/13/87    | 3660.00         |
| TOXLDL           | PPB   | 20.00                       |                         | 07/27/87    |            | 07/27/87    |            | 07/27/87    | 70.10           |
|                  |       |                             |                         |             | NR         | 10/15/87    | 22.30      | 10/13/87    | 71.70           |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 07/27/87    |            | 07/27/87    | 10.30 *    | 07/27/87    |                 |
|                  |       |                             |                         |             | NR         | 10/15/87    | 12.00 *    | 10/13/87    |                 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/27/87    | 990.00     | 07/27/87    | 414.00     | 07/27/87    | 13000.00        |
|                  |       |                             |                         |             | { 180.00}  |             | { 170.00}  |             | { 470.00}       |
|                  |       |                             |                         | 10/15/87    | 602.00     | 10/15/87    |            | 08/11/87    | 12000.00        |
|                  |       |                             |                         |             | { 225.00}  |             |            |             | { 400.00}       |
|                  |       |                             |                         |             | NR         |             | NR         | 09/00/87    | 12000.00        |
|                  |       |                             |                         |             | NR         |             | NR         | 10/13/87    | { 450.00}       |
|                  |       |                             |                         |             |            |             |            |             | 11800.00        |
|                  |       |                             |                         |             |            |             |            |             | { 451.00}       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |        | SAMPLE DATE |        |          |                                      |  |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|-------------|--------|----------|--------------------------------------|--|
|                  |       |                             |                         | 1-F6-6      | 1-F7-1 | 1-F6-1      | 1-F8-1 |          |                                      |  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR     |             | NR     | 11/00/87 | 10200.00                             |  |
|                  |       |                             |                         |             | NR     |             | NR     | 12/03/87 | { 432.00 }<br>10000.00<br>{ 428.00 } |  |
| U                | PCI/L | 0.50                        | 500.00                  |             |        |             |        |          |                                      |  |
|                  |       |                             |                         |             |        |             |        |          |                                      |  |
|                  |       |                             |                         | 07/27/87    |        | 07/27/87    | 4.60   | 07/27/87 | 321.00                               |  |
|                  |       |                             |                         | 10/15/87    |        | 10/15/87    | 5.11   | 08/11/87 | 343.00                               |  |
|                  |       |                             |                         |             | NR     |             | NR     | 09/08/87 | 362.00                               |  |
|                  |       |                             |                         |             | NR     |             | NR     | 10/13/87 | 334.00                               |  |
|                  | NR    |                             | NR                      | 11/08/87    | 320.00 |             |        |          |                                      |  |
|                  | NR    |                             | NR                      | 12/03/87    | 336.00 |             |        |          |                                      |  |
| UNKNOWN          | PPB   | 0.00                        |                         |             | NR     |             | NR     | 10/13/87 | 20.00                                |  |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-K-11          | SAMPLE DATE | 1-K-10           | SAMPLE DATE | 1-K-20           |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|-------------|------------------|-------------|------------------|
| ALKALIN          |       |                             |                         | 07/20/87    | 128000.00 #     | 07/20/87    | 91700.00 #       | 07/20/87    | 80300.00 #       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/20/87    | { 2.90<br>1.46} | 07/20/87    |                  | 07/20/87    |                  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/20/87    | { 8.02<br>4.02} | 07/20/87    | { 43.20<br>6.65} | 07/20/87    | { 39.80<br>6.23} |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/20/87    | 11.30           | 07/20/87    |                  | 07/20/87    |                  |
| CHLORID          | PPB   | 500.00                      |                         | 07/20/87    | 7790.00         | 07/20/87    | 7530.00          | 07/20/87    | 4990.00          |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/20/87    |                 | 07/20/87    |                  | 07/20/87    | { 7.02<br>6.28}  |
|                  |       |                             |                         | 10/16/87    |                 | 08/11/87    |                  | 10/20/87    |                  |
|                  |       |                             |                         |             | NR              | 09/08/87    | { 6.12<br>5.47}  |             | NR               |
|                  |       |                             |                         |             | NR              | 10/13/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR              | 11/08/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR              | 12/03/87    | { 8.76<br>5.52}  |             | NR               |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/20/87    | 310.00          | 07/20/87    | 312.00           | 07/20/87    | 234.00           |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/20/87    | { 5.98<br>4.62} | 07/20/87    |                  | 07/20/87    |                  |
|                  |       |                             |                         | 10/16/87    |                 | 08/11/87    | { 4.64<br>3.71}  | 10/20/87    |                  |
|                  |       |                             |                         |             | NR              | 09/08/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR              | 10/13/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR              | 11/08/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR              | 12/03/87    |                  |             | NR               |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/20/87    | 31.00           | 07/20/87    | 30.00            | 07/20/87    | 21.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 07/20/87    | 35200.00        | 07/20/87    | 58000.00         | 07/20/87    | 42200.00         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/20/87    |                 | 07/20/87    | 101.00 *         | 07/20/87    | 141.00 *         |

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WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-K-11     | SAMPLE DATE | 1-K-10     | SAMPLE DATE | 1-K-20     |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/20/87    | 671.00     | 07/20/87    |            | 07/20/87    |            |
| FMAGNES          | PPB   | 0.00                        |                         | 07/20/87    | 10500.00   | 07/20/87    | 8160.00    | 07/20/87    | 7430.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 07/20/87    | 5440.00    | 07/20/87    | 2270.00    | 07/20/87    | 2610.00    |
| FSODIUM          | PPB   | 100.00                      |                         | 07/20/87    | 32100.00   | 07/20/87    | 4000.00    | 07/20/87    | 3700.00    |
| FVANADI          | PPB   | 5.00                        |                         | 07/20/87    | 20.00      | 07/20/87    |            | 07/20/87    |            |
| FZINC            | PPB   | 5.00                        |                         | 07/20/87    |            | 07/20/87    | 117.00     | 07/20/87    |            |
| LFLUORID         | PPB   | 20.00                       | 4000.00                 | 07/20/87    | 446.00     | 07/20/87    | 103.00     | 07/20/87    | 112.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/20/87    | 48200.00 * | 07/20/87    | 58000.00 * | 07/20/87    | 20700.00   |
| PH-LAB           |       | 0.01                        |                         | 07/20/87    | 7.80       | 07/20/87    | 7.80       | 07/20/87    | 8.00       |
| PHFIELD          |       | 0.10                        |                         | 07/20/87    | 7.10       | 07/20/87    | 7.10       | 07/20/87    | 7.30       |
| SULFATE          | PPB   | 500.00                      |                         | 07/20/87    | 42000.00   | 07/20/87    | 50100.00   | 07/20/87    | 50800.00   |
| TC               | PPB   |                             |                         | 07/20/87    | 30300.00 # | 07/20/87    | 18200.00 # | 07/20/87    | 18700.00 # |
| TDC              | PPB   | 1000.00                     |                         | 07/20/87    | 1700.00    | 07/20/87    |            | 07/20/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/20/87    | 1370.00    | 07/20/87    | 4790.00    | 07/20/87    | 885.00     |
|                  |       |                             |                         |             | { 198.00 } |             | { 275.00 } |             | { 105.00 } |
|                  |       |                             |                         | 10/10/87    | 515.00     | 00/11/87    | 8370.00    | 10/20/87    | 1020.00    |
|                  |       |                             |                         |             | { 222.00 } |             | { 358.00 } |             | { 238.00 } |
|                  |       |                             |                         |             | NR         | 09/08/87    | 2500.00    |             | NR         |
|                  |       |                             |                         |             | NR         |             | { 272.00 } |             |            |
|                  |       |                             |                         |             | NR         | 10/13/87    | 4400.00    |             | NR         |
|                  |       |                             |                         |             | NR         |             | { 323.00 } |             |            |
|                  |       |                             |                         |             | NR         | 11/08/87    | 5100.00    |             | NR         |
|                  |       |                             |                         |             | NR         |             | { 333.00 } |             |            |
|                  |       |                             |                         |             | NR         | 12/03/87    | 5250.00    |             | NR         |
|                  |       |                             |                         |             |            |             | { 337.00 } |             |            |

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# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
. - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
@ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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C.34



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 1-K-11 | SAMPLE<br>DATE | 1-K-19 | SAMPLE<br>DATE | 1-K-20 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--------|----------------|--------|----------------|--------|
| U                   | PCI/L | 0.50                              | 000.00                        | 07/28/87       | 3.16   | 07/28/87       | 0.09   | 07/28/87       | 0.98   |
|                     |       |                                   |                               | 10/16/87       | 3.74   | 08/11/87       | 1.09   | 10/20/87       | 0.97   |
|                     |       |                                   |                               |                | NR     | 09/08/87       | 0.77   |                | NR     |
|                     |       |                                   |                               |                | NR     | 10/13/87       | 0.66   |                | NR     |
|                     |       |                                   |                               |                | NR     | 11/08/87       | 0.78   |                | NR     |
|                     |       |                                   |                               |                | NR     | 12/03/87       | 0.62   |                | NR     |

C.35

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-K-22     | SAMPLE DATE | 1-K-27      | SAMPLE DATE | 1-K-26      |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-------------|-------------|-------------|
| ALKALIN          |       |                             |                         | 07/20/87    | 92700.00 0 | 07/29/87    | 117000.00 0 | 07/29/87    | 162000.00 0 |
|                  |       |                             |                         | 10/20/87    | 91700.00 0 | 10/16/87    | 122000.00 0 |             | NR          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/28/87    | 1.47       | 07/29/87    | 4.20        | 07/29/87    | 3.35        |
|                  |       |                             |                         | 10/20/87    | { 1.08 }   | 10/16/87    | { 1.72 }    |             | { 1.51 }    |
|                  |       |                             |                         |             |            |             | { 3.11 }    |             | NR          |
|                  |       |                             |                         |             |            |             | { 1.52 }    |             |             |
| AMMONIU          | PPB   | 50.00                       |                         | 07/28/87    |            | 07/29/87    | 65.00       | 07/29/87    |             |
|                  |       |                             |                         | 10/20/87    |            | 10/16/87    |             |             | NR          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/28/87    | 14.20      | 07/29/87    | 21.00       | 07/29/87    | 19.50       |
|                  |       |                             |                         | 10/20/87    | { 4.41 }   | 10/16/87    | { 5.10 }    |             | { 4.76 }    |
|                  |       |                             |                         |             | { 14.10 }  |             | { 35.70 }   |             | NR          |
|                  |       |                             |                         |             | { 4.39 }   |             | { 6.10 }    |             |             |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/28/87    |            | 07/29/87    | 13.00       | 07/29/87    |             |
|                  |       |                             |                         | 10/20/87    |            | 10/16/87    | 14.00       |             | NR          |
| CHLORID          | PPB   | 500.00                      |                         | 07/28/87    | 3900.00    | 07/29/87    | 5500.00     | 07/29/87    | 11400.00    |
|                  |       |                             |                         | 10/20/87    | 4100.00    | 10/16/87    | 8030.00     |             | NR          |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/28/87    |            | 07/29/87    |             | 07/29/87    |             |
|                  |       |                             |                         | 07/28/87    |            | 10/16/87    |             | 10/16/87    |             |
|                  |       |                             |                         | 10/20/87    | 6.09       |             | NR          |             | NR          |
|                  |       |                             |                         | 10/20/87    | { 5.45 }   |             | NR          |             | NR          |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/28/87    | 209.00     | 07/29/87    | 207.00      | 07/29/87    | 292.00      |
|                  |       |                             |                         | 10/20/87    | 277.00     | 10/16/87    | 350.00      |             | NR          |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/28/87    | 0.05       | 07/29/87    |             | 07/29/87    |             |
|                  |       |                             |                         | 07/28/87    | { 4.20 }   | 10/16/87    |             | 10/16/87    |             |
|                  |       |                             |                         | 10/20/87    | { 4.02 }   |             |             |             |             |
|                  |       |                             |                         | 10/20/87    | { 3.04 }   |             |             |             |             |
|                  |       |                             |                         | 10/20/87    | 0.29       |             | NR          |             | NR          |
|                  |       |                             |                         | 10/20/87    | { 5.70 }   |             | NR          |             | NR          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-K-22   | SAMPLE DATE | 1-K-27   | SAMPLE DATE | 1-K-28   |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/28/87    | 20.00    | 07/29/87    | 22.00    | 07/29/87    | 38.00    |
|                  |       |                             |                         | 10/20/87    | 20.00    | 10/16/87    | 24.00    | NR          |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/28/87    | 37000.00 | 07/29/87    | 36600.00 | 07/29/87    | 46400.00 |
|                  |       |                             |                         | 10/20/87    | 41000.00 | 10/16/87    | 43000.00 | NR          |          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/28/87    | 100.00 * | 07/29/87    |          | 07/29/87    |          |
|                  |       |                             |                         | 10/20/87    | 231.00 * | 10/16/87    |          | NR          |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/28/87    | 6810.00  | 07/29/87    | 8170.00  | 07/29/87    | 12200.00 |
|                  |       |                             |                         | 10/20/87    | 6770.00  | 10/16/87    | 9500.00  | NR          |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/28/87    | 2000.00  | 07/29/87    | 4700.00  | 07/29/87    | 6210.00  |
|                  |       |                             |                         | 10/20/87    | 2000.00  | 10/16/87    | 4810.00  | NR          |          |
| FSODIUM          | PPB   | 100.00                      |                         | 07/28/87    | 4110.00  | 07/29/87    | 7950.00  | 07/29/87    | 12000.00 |
|                  |       |                             |                         | 10/20/87    | 4040.00  | 10/16/87    | 7950.00  | NR          |          |
| FVANADI          | PPB   | 5.00                        |                         | 07/28/87    |          | 07/29/87    | 7.00     | 07/29/87    | 10.00    |
|                  |       |                             |                         | 10/20/87    |          | 10/16/87    | 11.00    | NR          |          |
| FZINC            | PPB   | 5.00                        |                         | 07/28/87    | 320.00   | 07/29/87    |          | 07/29/87    | 11.00    |
|                  |       |                             |                         | 10/20/87    | 289.00   | 10/16/87    | 5.00     | NR          |          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/28/87    | 112.00   | 07/29/87    | 187.00   | 07/29/87    | 205.00   |
|                  |       |                             |                         | 10/20/87    | 147.00   | 10/16/87    | 197.00   | NR          |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/28/87    | 3610.00  | 07/29/87    | 7000.00  | 07/29/87    | 22000.00 |
|                  |       |                             |                         | 10/20/87    | 3910.00  | 10/16/87    | 7520.00  | NR          |          |
| PH-LAB           |       | 0.01                        |                         | 07/28/87    | 7.06     | 07/29/87    | 7.61     | 07/29/87    | 7.50     |
|                  |       |                             |                         | 10/20/87    | 7.82     | 10/16/87    | 7.79     | NR          |          |
| PHFIELD          |       | 0.10                        |                         | 07/28/87    | 7.10     | 07/29/87    | 7.00     | 07/29/87    | 6.90     |
|                  |       |                             |                         | 10/20/87    | 7.10     | 10/16/87    | 7.50     | NR          |          |
| RU-100           | PCI/L | 172.00                      | 30.00                   | 07/28/87    |          | 07/29/87    |          | 07/29/87    | 32.30 *  |

{ 26.30 }

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-K-22     | SAMPLE DATE | 1-K-27      | SAMPLE DATE | 1-K-28              |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-------------|-------------|---------------------|
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/20/87    |            | 10/16/87    |             | 10/16/87    | 66.70 *<br>( 56.10) |
|                  |       |                             |                         | 10/20/87    |            |             | NR          |             | NR                  |
|                  |       |                             |                         | 10/20/87    |            |             | NR          |             | NR                  |
| SULFATE          | PPB   | 500.00                      |                         | 07/20/87    | 40100.00   | 07/29/87    | 22400.00    | 07/29/87    | 25000.00            |
|                  |       |                             |                         | 10/20/87    | 42900.00   | 10/16/87    | 25700.00    |             | NR                  |
| TC               | PPB   |                             |                         | 07/20/87    | 21400.00 0 | 07/29/87    | 39200.00 0  | 07/29/87    | 29200.00 0          |
|                  |       |                             |                         | 10/20/87    | 21100.00 0 | 10/16/87    | 28800.00 0  |             | NR                  |
| TOC              | PPB   | 1000.00                     |                         | 07/20/87    |            | 07/29/87    |             | 07/29/87    | 1750.00             |
|                  |       |                             |                         | 10/20/87    |            | 10/16/87    |             |             | NR                  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/20/87    | 552.00     | 07/29/87    | 1350.00     | 07/29/87    | 4000.00             |
|                  |       |                             |                         | 07/20/87    | { 176.00 } | 10/16/87    | { 206.00 }  | 10/16/87    | { 288.00 }          |
|                  |       |                             |                         | 07/20/87    | { 602.00 } |             | { 1670.00 } |             | { 2980.00 }         |
|                  |       |                             |                         | 10/20/87    | { 179.00 } |             | { 255.00 }  |             | { 288.00 }          |
|                  |       |                             |                         | 10/20/87    | 720.00     |             | NR          |             | NR                  |
|                  |       |                             |                         | 10/20/87    | { 230.00 } |             |             |             |                     |
|                  |       |                             |                         | 10/20/87    | 590.00     |             | NR          |             | NR                  |
|                  |       |                             |                         | 10/20/87    | { 226.00 } |             |             |             |                     |
| U                | PCI/L | 0.50                        | 500.00                  | 07/20/87    | 0.00       | 07/29/87    | 3.05        | 07/29/87    | 4.00                |
|                  |       |                             |                         | 07/20/87    | 0.00       | 10/16/87    | 3.10        | 10/16/87    | 3.55                |
|                  |       |                             |                         | 10/20/87    | 0.99       |             | NR          |             | NR                  |
|                  |       |                             |                         | 10/20/87    | 1.00       |             | NR          |             | NR                  |

C.38

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                                      | SAMPLE DATE          |                        | SAMPLE DATE |                             |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------------------------|----------------------|------------------------|-------------|-----------------------------|
|                  |       |                             |                         | 1-K-29               | 1-K-30                               | 1-K-29               | 1-K-30                 | 1-N-6       |                             |
| ALKALIN          |       |                             |                         | 07/31/87<br>10/16/87 | 99200.00 0<br>104000.00 0            | 07/31/87             | 90000.00 0<br>NR       | 08/03/87    | 49400.00 0<br>NR            |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/31/87<br>10/16/87 | 1.67<br>{ 1.08 }<br>2.26<br>{ 1.19 } | 07/31/87             | 2.33<br>{ 1.35 }<br>NR | 08/03/87    | NR                          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/31/87<br>10/16/87 | 5.40<br>{ 3.02 }<br>4.10<br>{ 3.32 } | 07/31/87             | 5.75<br>{ 3.01 }<br>NR | 08/03/87    | 395.00 *<br>{ 17.20 }<br>NR |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/31/87<br>10/16/87 | 17.00<br>15.00                       | 07/31/87             | 14.00<br>NR            | 08/03/87    | NR                          |
| CHLORID          | PPB   | 500.00                      |                         | 07/31/87<br>10/16/87 | 2850.00<br>2870.00                   | 07/31/87             | 3970.00<br>NR          | 08/03/87    | 725.00<br>NR                |
| CO-80            | PCI/L | 22.50                       | 100.00                  | 07/29/87<br>10/16/87 | 9.82<br>{ 7.42 }<br>5.35<br>{ 4.73 } | 07/29/87<br>10/16/87 | 5.65<br>{ 5.05 }       |             | NR<br>NR                    |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/31/87<br>10/16/87 | 207.00<br>283.00                     | 07/31/87             | 297.00<br>NR           | 08/03/87    | 135.00<br>NR                |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/29/87<br>10/16/87 |                                      | 07/29/87<br>10/16/87 | 3.44<br>{ 3.08 }       |             | NR<br>NR                    |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/31/87<br>10/16/87 | 20.00<br>15.00                       | 07/31/87             | 20.00<br>NR            | 08/03/87    | 14.00<br>NR                 |
| FCALCIU          | PPB   | 50.00                       |                         | 07/31/87<br>10/16/87 | 25400.00<br>30500.00                 | 07/31/87             | 37000.00<br>NR         | 08/03/87    | 17700.00<br>NR              |
| FMAGNES          | PPB   | 0.00                        |                         | 07/31/87             | 7710.00                              | 07/31/87             | 10100.00               | 08/03/87    | 3520.00                     |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.39

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                          | SAMPLE DATE |                  | SAMPLE DATE |                  |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------------|-------------|------------------|-------------|------------------|
|                  |       |                             |                         | 1-K-29               | 1-K-30                   | 1-K-29      | 1-K-30           | 1-N-0       |                  |
| FMAGNES          | PPB   | 0.00                        |                         | 10/10/87             | 8220.00                  |             | NR               |             | NR               |
| FMANGAN          | PPB   | 5.00                        |                         | 07/31/87<br>10/10/87 | 7.00                     | 07/31/87    | NR               | 08/03/87    | NR               |
| FPTASS           | PPB   | 100.00                      |                         | 07/31/87<br>10/10/87 | 4150.00<br>4100.00       | 07/31/87    | 5100.00<br>NR    | 08/03/87    | 2600.00<br>NR    |
| FSODIUM          | PPB   | 100.00                      |                         | 07/31/87<br>10/10/87 | 7770.00<br>7490.00       | 07/31/87    | 11300.00<br>NR   | 08/03/87    | 2970.00<br>NR    |
| FVANADI          | PPB   | 5.00                        |                         | 07/31/87<br>10/10/87 | 10.00<br>8.00            | 07/31/87    | 8.00<br>NR       | 08/03/87    | 15.00<br>NR      |
| FZINC            | PPB   | 5.00                        |                         | 07/31/87<br>10/10/87 |                          | 07/31/87    | 8.00<br>NR       | 08/03/87    | 5.00<br>NR       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/31/87<br>10/10/87 | 270.00<br>255.00         | 07/31/87    | 273.00<br>NR     | 08/03/87    | 177.00<br>NR     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/31/87<br>10/10/87 | 8450.00<br>8970.00       | 07/31/87    | 49000.00 *<br>NR | 08/03/87    | 23000.00<br>NR   |
| PH-LAB           |       | 0.01                        |                         | 07/31/87<br>10/10/87 | 7.70<br>7.85             | 07/31/87    | 7.00<br>NR       | 08/03/87    | 8.00<br>NR       |
| PHFIELD          |       | 0.10                        |                         | 07/31/87<br>10/10/87 | 8.00<br>7.00             | 07/31/87    | 7.50<br>NR       | 08/03/87    | 6.70<br>NR       |
| SULFATE          | PPB   | 500.00                      |                         | 07/31/87<br>10/10/87 | 21500.00<br>23900.00     | 07/31/87    | 20100.00<br>NR   | 08/03/87    | 7700.00<br>NR    |
| TC               | PPB   |                             |                         | 07/31/87<br>10/10/87 | 22700.00 0<br>23700.00 0 | 07/31/87    | 23800.00 0<br>NR | 08/03/87    | 11400.00 0<br>NR |
| TDC              | PPB   | 1000.00                     |                         | 07/31/87<br>10/10/87 | 1200.00                  | 07/31/87    | NR               | 08/03/87    | NR               |
| TOLUENE          | PPB   | 10.00                       | (2000.0)                | 07/31/87             |                          | 07/31/87    | 12.00            | 08/03/87    |                  |

C.40

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 1-K-29   | SAMPLE DATE          | 1-K-30  | SAMPLE DATE | 1-N-6    |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|----------------------|---|-------------|----------|
| TOLUENE          | PPB   | 10.00                       | (2000.0)                | 10/10/87             |  |                      | NR  |             | NR       |
| TOXLDL           | PPB   | 20.00                       |                         | 07/31/87<br>10/10/87 | 20.10<br>20.00                                 | 07/31/87             | NR  | 08/03/87    | NR       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/29/87<br>10/10/87 | 8710.00<br>{ 349.00 }<br>6960.00<br>{ 373.00 } | 07/29/87<br>10/10/87 | 730000.00 *<br>{ 2040.00 }<br>1300000.00 *<br>{ 4300.00 } |             | NR<br>NR |
| U                | PCI/L | 0.50                        | 600.00                  | 07/29/87<br>10/10/87 | 1.34<br>1.55                                   | 07/29/87<br>10/10/87 | 1.55<br>1.73  |             | NR<br>NR |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|-------------|
|                  |       |                             |                         | 1-N-28      | 1-N-29     | 1-N-29      | 2-E13-5    |             |             |
| ALKALIN          |       |                             |                         | 08/03/87    | 52000.00 0 | 08/03/87    | 44000.00 0 | 08/03/87    | 150000.00 0 |
|                  |       |                             |                         | 11/22/87    | 86100.00 0 | 11/22/87    | 45200.00 0 | 12/06/87    | 162000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/03/87    | 1.99       | 08/03/87    |            | 08/03/87    |             |
|                  |       |                             |                         |             | { 1.14 }   |             |            |             |             |
|                  |       |                             |                         | 11/22/87    | 1.76       | 11/22/87    |            | 12/06/87    | 1.20        |
|                  |       |                             |                         |             | { 1.67 }   |             |            |             | { 1.10 }    |
| AMMONIU          | PPB   | 50.00                       |                         | 08/03/87    | 1500.00    | 08/03/87    | 2900.00    | 08/03/87    |             |
|                  |       |                             |                         | 11/22/87    | 1500.00    | 11/22/87    | 1100.00    | 12/06/87    |             |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/03/87    | 332.00 *   | 08/03/87    | 1700.00 *  | 08/03/87    | 9.66        |
|                  |       |                             |                         |             | { 10.20 }  |             | { 36.30 }  |             | { 4.16 }    |
|                  |       |                             |                         | 11/22/87    | 420.00 *   | 11/22/87    | 1140.00 *  | 08/03/87    | 7.41        |
|                  |       |                             |                         |             | { 18.40 }  |             | { 28.00 }  |             | { 2.11 }    |
|                  |       |                             |                         |             | NR         |             | NR         | 12/06/87    | 7.13        |
|                  |       |                             |                         |             | NR         |             | NR         | 12/06/87    | { 3.84 }    |
|                  |       |                             |                         |             |            |             |            |             | { 5.97 }    |
|                  |       |                             |                         |             |            |             |            |             | { 2.06 }    |
| C 14             | PCI/L |                             |                         |             | NR         | 08/03/87    | 40.00 0    |             | NR          |
|                  |       |                             |                         |             |            |             | { 2.67 }   |             |             |
| CHLORID          | PPB   | 500.00                      |                         | 08/03/87    | 880.00     | 08/03/87    | 863.00     | 08/03/87    | 7510.00     |
|                  |       |                             |                         | 11/22/87    | 885.00     | 11/22/87    | 504.00     | 12/06/87    | 7620.00     |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/03/87    | 198.00 *   | 08/03/87    | 254.00 *   | 08/03/87    |             |
|                  |       |                             |                         |             | { 28.00 }  |             | { 32.20 }  |             |             |
|                  |       |                             |                         | 11/22/87    | 350.00 *   | 11/22/87    | 157.00 *   |             | NR          |
|                  |       |                             |                         |             | { 40.00 }  |             | { 25.20 }  |             |             |
| CDNOFLD          | UMHO  | 1.00                        |                         | 08/03/87    | 175.00     | 08/03/87    | 161.00     | 08/03/87    | 367.00      |
|                  |       |                             |                         | 11/22/87    | 209.00     | 11/22/87    | 120.00     | 12/06/87    | 422.00      |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/03/87    | 0.00       | 08/03/87    |            | 12/06/87    |             |
|                  |       |                             |                         | 11/22/87    | 7.00       | 11/22/87    |            |             | NR          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/03/87    | 10.00      | 08/03/87    | 12.00      | 12/06/87    | 60.00       |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.42

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |                    | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|--------------------|-------------|----------|
|                  |       |                             |                         | 1-N-20      | 1-N-20     | 1-N-20      | 1-N-20             | 2-E13-6     |          |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 11/22/87    | 32.00      | 11/22/87    | 14.00              |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/03/87    | 22000.00   | 08/03/87    | 17000.00           | 12/08/87    | 50200.00 |
|                  |       |                             |                         | 11/22/87    | 37000.00   | 11/22/87    | 16400.00           |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/03/87    |            | 08/03/87    |                    | 08/03/87    |          |
|                  |       |                             |                         | 11/22/87    |            | 11/22/87    |                    | 12/08/87    | 622.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/03/87    | 4000.00    | 08/03/87    | 3470.00            | 12/08/87    | 16700.00 |
|                  |       |                             |                         | 11/22/87    | 7230.00    | 11/22/87    | 2000.00            |             | NR       |
| FPQTASS          | PPB   | 100.00                      |                         | 08/03/87    | 4000.00    | 08/03/87    | 3320.00            | 12/08/87    | 6250.00  |
|                  |       |                             |                         | 11/22/87    | 5310.00    | 11/22/87    | 3000.00            |             | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/03/87    | 3300.00    | 08/03/87    | 2740.00            | 12/08/87    | 20000.00 |
|                  |       |                             |                         | 11/22/87    | 4100.00    | 11/22/87    | 2120.00            |             | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 08/03/87    | 23.00      | 08/03/87    | 12.00              | 12/08/87    | 17.00    |
|                  |       |                             |                         | 11/22/87    | 10.00      | 11/22/87    | 13.00              |             | NR       |
| FZINC            | PPB   | 5.00                        |                         | 08/03/87    |            | 08/03/87    |                    | 12/08/87    | 9.00     |
|                  |       |                             |                         | 11/22/87    |            | 11/22/87    |                    |             | NR       |
| I-129            | PCI/L |                             | 500.00                  |             | NR         | 09/10/87    | { 0.01 0<br>0.00 } |             | NR       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/03/87    | 60.00      | 08/03/87    | 71.00              | 08/03/87    | 400.00   |
|                  |       |                             |                         | 11/22/87    | 74.00      | 11/22/87    | 104.00             | 12/08/87    | 400.00   |
| METHONE          | PPB   | 10.00                       |                         | 08/03/87    |            | 08/03/87    |                    | 08/03/87    | 30.00    |
|                  |       |                             |                         | 11/22/87    |            | 11/22/87    |                    | 12/08/87    |          |
| NI-63            | PCI/L | 10.00                       | 50.00                   |             | NR         | 08/03/87    | { 4.00<br>2.00 }   |             | NR       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/03/87    | 42200.00   | 08/03/87    | 33400.00           | 08/03/87    | 10100.00 |
|                  |       |                             |                         | 11/22/87    | 64300.00 * | 11/22/87    | 18100.00           | 12/08/87    | 11200.00 |
| PH-LAB           |       | 0.01                        |                         | 08/03/87    | 8.10       | 08/03/87    | 8.28               | 08/03/87    | 7.73     |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-28      | SAMPLE DATE | 1-N-29      | SAMPLE DATE | 2-E13-5    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         |             |             |             |             |             |            |
| PH-LAB           |       | 0.01                        |                         | 11/22/87    | 8.02        | 11/22/87    | 8.12        | 12/06/87    | 0.02       |
| PHFIELD          |       | 0.10                        |                         | 08/03/87    | 7.10        | 08/03/87    | 7.70        | 08/03/87    | 7.80       |
|                  |       |                             |                         | 11/22/87    | 7.60        | 11/22/87    | 7.60        | 12/06/87    | 7.30       |
| RU 103           | PCI/L | 20.00                       | 200.00                  | 08/03/87    | 12.30       |             | NR          |             | NR         |
|                  |       |                             |                         |             | { 11.70 }   |             |             |             |            |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 08/03/87    |             | 08/03/87    |             | 08/03/87    |            |
|                  |       |                             |                         | 11/22/87    |             | 11/22/87    | 131.00 *    |             | NR         |
|                  |       |                             |                         |             |             | { 83.70 }   |             |             |            |
| SB 125           | PCI/L |                             |                         |             | NR          | 11/22/87    | 100.00 0    |             | NR         |
|                  |       |                             |                         |             |             | { 39.40 }   |             |             |            |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/03/87    | 14.00 *     | 08/03/87    | 609.00 *    | 08/03/87    |            |
|                  |       |                             |                         |             | { 2.16 }    |             | { 41.00 }   |             |            |
|                  |       |                             |                         | 11/22/87    | 54.00 *     |             | NR          |             | NR         |
|                  |       |                             |                         |             | { 3.07 }    |             |             |             |            |
| SULFATE          | PPB   | 500.00                      |                         | 08/03/87    | 8100.00     | 08/03/87    | 7720.00     | 08/03/87    | 44800.00   |
|                  |       |                             |                         | 11/22/87    | 7540.00     | 11/22/87    | 3030.00     | 12/06/87    | 45700.00   |
| TC               | PPB   |                             |                         | 08/03/87    | 14400.00 0  | 08/03/87    | 9930.00 0   | 08/03/87    | 36100.00 0 |
|                  |       |                             |                         | 11/22/87    | 10100.00 0  | 11/22/87    | 10000.00 0  | 12/06/87    | 37000.00 0 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/03/87    | 111000.00 * | 08/03/87    | 111000.00 * | 08/03/87    |            |
|                  |       |                             |                         |             | { 1120.00 } |             | { 1200.00 } |             |            |
|                  |       |                             |                         | 11/22/87    | 115000.00 * | 11/22/87    | 82200.00 *  | 12/06/87    |            |
|                  |       |                             |                         |             | { 1110.00 } |             | { 950.00 }  |             |            |
| U                | PCI/L | 0.50                        | 000.00                  |             | NR          |             | NR          | 08/03/87    | 1.65       |

C.44

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E13-14    | SAMPLE DATE | 2-E17-1    | SAMPLE DATE | 2-E17-5    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----      | -----       | -----      |
| ALKALIN          |       |                             |                         | 08/03/87    | 149000.00 0 | 07/20/87    | 96000.00 0 | 07/20/87    | 96000.00 0 |
|                  |       |                             |                         | 12/06/87    | 137000.00 0 | 10/08/87    | 94000.00 0 | 10/07/87    | 99000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/03/87    | 2.67        | 07/20/87    |            | 07/20/87    | 5.88       |
|                  |       |                             |                         |             | { 1.39}     |             |            | { 2.00}     |            |
|                  |       |                             |                         | 12/06/87    | 3.01        | 07/20/87    | 1.42       | 07/20/87    | 8.24       |
|                  |       |                             |                         |             | { 1.54}     |             | { 5.55}    | { 1.07}     |            |
|                  |       |                             |                         |             | NR          | 08/12/87    | 3.02       | 08/12/87    | 8.98       |
|                  |       |                             |                         |             | NR          |             | { 0.77}    | { 1.11}     |            |
|                  |       |                             |                         |             | NR          | 09/15/87    | 2.27       | 09/09/87    | 8.87       |
|                  |       |                             |                         |             | NR          |             | { 0.80}    | { 1.28}     |            |
|                  |       |                             |                         |             | NR          | 10/08/87    |            | 10/07/87    | 6.35       |
|                  |       |                             |                         |             | NR          |             | NR         | { 2.10}     |            |
|                  |       |                             |                         |             | NR          | 10/08/87    | 3.20       | 10/07/87    | 8.83       |
|                  |       |                             |                         |             | NR          |             | { 0.79}    | { 1.10}     |            |
|                  | NR    | 11/05/87                    | 3.35                    | 11/05/87    | 7.07        |             |            |             |            |
|                  | NR    |                             | { 0.80}                 | { 1.12}     |             |             |            |             |            |
|                  | NR    | 12/02/87                    | 1.99                    | 12/02/87    | 7.92        |             |            |             |            |
|                  | NR    |                             | { 0.62}                 | { 1.22}     |             |             |            |             |            |
| AMMONIU          | PPB   | 50.00                       |                         | 08/03/87    |             | 07/20/87    |            | 07/20/87    | 84.00      |
|                  |       |                             |                         | 12/06/87    |             | 10/08/87    |            | 10/07/87    |            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/03/87    | 10.50       | 07/20/87    | 34.70      | 07/20/87    | 121.00 +   |
|                  |       |                             |                         |             | { 4.22}     |             | { 6.54}    | { 10.30}    |            |
|                  |       |                             |                         | 08/03/87    | 5.40        | 07/20/87    | 29.70      | 07/20/87    | 113.00 +   |
|                  |       |                             |                         |             | { 1.88}     |             | { 3.70}    | { 7.47}     |            |
|                  |       |                             |                         | 12/06/87    | 8.43        | 08/12/87    | 27.30      | 08/12/87    | 128.00 +   |
|                  |       |                             |                         |             | { 3.04}     |             | { 3.04}    | { 7.93}     |            |
|                  |       |                             |                         | 12/06/87    | 4.38        | 09/15/87    | 28.20      | 09/09/87    | 582.00 +   |
|                  |       |                             |                         |             | { 1.75}     |             | { 4.03}    | { 18.40}    |            |
|                  |       |                             |                         |             | NR          | 10/08/87    | 39.40      | 10/07/87    | 590.00 +   |
|                  |       |                             |                         |             | NR          |             | { 0.86}    | { 22.30}    |            |
|                  |       |                             |                         |             | NR          | 10/08/87    | 32.10      | 10/07/87    | 613.00 +   |
|                  |       |                             |                         |             | NR          |             | { 4.33}    | { 17.50}    |            |
|                  | NR    | 11/05/87                    | 32.10                   | 11/05/87    | 449.00 +    |             |            |             |            |
|                  | NR    |                             | { 4.26}                 | { 14.80}    |             |             |            |             |            |
|                  | NR    | 12/02/87                    | 28.90                   | 12/02/87    | 143.00 +    |             |            |             |            |
|                  | NR    |                             | { 4.06}                 | { 8.33}     |             |             |            |             |            |

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C.45

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-E13-14           | SAMPLE DATE          | 2-E17-1            | SAMPLE DATE          | 2-E17-5            |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
|                  |       |                             |                         | -----                | -----              | -----                | -----              | -----                | -----              |
| C 14             | PCI/L |                             |                         |                      | NR                 |                      | NR                 | 08/10/87             | 23.50 0<br>{ 2.39} |
| CHLORID          | PPB   | 500.00                      |                         | 08/03/87<br>12/06/87 | 6700.00<br>7470.00 | 07/20/87<br>10/08/87 | 5600.00<br>6350.00 | 07/20/87<br>10/07/87 | 8220.00<br>5740.00 |
| CO-80            | PCI/L | 22.50                       | 100.00                  | 08/03/87             | 7.51<br>{ 5.08}    | 07/20/87             |                    | 07/20/87             |                    |
|                  |       |                             |                         |                      | NR                 | 08/12/87             |                    | 08/12/87             |                    |
|                  |       |                             |                         |                      | NR                 | 09/09/87             |                    | 09/09/87             | 60.30<br>{ 21.00}  |
|                  |       |                             |                         |                      | NR                 | 10/08/87             |                    | 10/07/87             | 50.70<br>{ 18.70}  |
|                  |       |                             |                         |                      | NR                 | 11/05/87             |                    | 11/05/87             | 82.20<br>{ 18.10}  |
|                  |       |                             |                         |                      | NR                 | 12/02/87             | 9.72<br>{ 8.87}    | 12/02/87             | 11.70<br>{ 7.08}   |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/03/87<br>12/06/87 | 360.00<br>369.00   | 07/20/87<br>10/08/87 | 795.00<br>870.00   | 07/20/87<br>10/07/87 | 422.00<br>725.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/03/87             |                    | 07/20/87             | 4.82<br>{ 3.64}    | 07/20/87             |                    |
|                  |       |                             |                         |                      | NR                 | 08/12/87             |                    | 08/12/87             | 5.80<br>{ 4.54}    |
|                  |       |                             |                         |                      | NR                 | 09/09/87             |                    | 09/09/87             |                    |
|                  |       |                             |                         |                      | NR                 | 10/08/87             | 5.29<br>{ 4.00}    | 10/07/87             | 7.94<br>{ 7.01}    |
|                  |       |                             |                         |                      | NR                 | 11/05/87             |                    | 11/05/87             |                    |
|                  |       |                             |                         |                      | NR                 | 12/02/87             |                    | 12/02/87             |                    |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 12/06/87             | 42.00<br>NR        | 07/20/87<br>10/08/87 | 95.00<br>92.00     | 07/20/87<br>10/07/87 | 39.00<br>65.00     |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 12/06/87             |                    | 07/20/87<br>10/08/87 | 2.00               | 07/20/87<br>10/07/87 |                    |
|                  |       |                             |                         |                      | NR                 |                      |                    |                      |                    |
| FCALCIU          | PPB   | 50.00                       |                         | 12/06/87             | 43300.00           | 07/20/87             | 93800.00           | 07/20/87             | 47500.00           |

C.46

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | SAMPLE DATE    |                      | SAMPLE DATE          | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------|----------------------|----------------------|----------------------|----------------------|
|                  |       |                             |                         |                      | 2-E13-14       | 2-E17-1              |                      |                      |                      |
| FCALCIU          | PPB   | 50.00                       |                         |                      | NR             | 10/08/87             | 87600.00             | 10/07/87             | 70500.00             |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/06/87             | 42.00<br>NR    | 07/20/87<br>10/08/87 |                      | 07/20/87<br>10/07/87 |                      |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/03/87<br>12/06/87 | 567.00         | 07/20/87<br>10/08/87 | 010.00               | 07/20/87<br>10/07/87 | 076.00               |
| FMAGNES          | PPB   | 0.00                        |                         | 12/06/87             | 14000.00<br>NR | 07/20/87<br>10/08/87 | 28200.00<br>28400.00 | 07/20/87<br>10/07/87 | 14000.00<br>22400.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 12/06/87             | NR             | 07/20/87<br>10/08/87 |                      | 07/20/87<br>10/07/87 | 15.00                |
| FPOTASS          | PPB   | 100.00                      |                         | 12/06/87             | 5190.00<br>NR  | 07/20/87<br>10/08/87 | 10600.00<br>11700.00 | 07/20/87<br>10/07/87 | 7030.00<br>8600.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 12/06/87             | 18100.00<br>NR | 07/20/87<br>10/08/87 | 32700.00<br>38500.00 | 07/20/87<br>10/07/87 | 20900.00<br>28000.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 12/06/87             | NR             | 07/20/87<br>10/08/87 | 522.00<br>489.00     | 07/20/87<br>10/07/87 | 380.00               |
| FVANADI          | PPB   | 5.00                        |                         | 12/06/87             | 12.00<br>NR    | 07/20/87<br>10/08/87 | 13.00<br>17.00       | 07/20/87<br>10/07/87 | 15.00<br>17.00       |
| FZINC            | PPB   | 5.00                        |                         | 12/06/87             | NR             | 07/20/87<br>10/08/87 | 22.00<br>17.00       | 07/20/87<br>10/07/87 | 22.00                |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |                      | NR             | 07/20/87             | 417000.00 *          | 07/20/87             | 114000.00 *          |
|                  |       |                             |                         |                      | NR             | 08/12/87             | 328000.00 *          | 08/12/87             | 122000.00 *          |
|                  |       |                             |                         |                      | NR             | 09/15/87             | 340000.00 *          | 09/09/87             | 270000.00 *          |
|                  |       |                             |                         |                      | NR             | 10/08/87             | 385000.00 *          | 10/07/87             | 250000.00 *          |
|                  |       |                             |                         |                      | NR             | 11/05/87             | 370000.00 *          | 11/05/87             | 204000.00 *          |
|                  |       |                             |                         |                      | NR             | 12/02/87             | 327000.00 *          | 12/02/87             | 124000.00 *          |
| I-129            | PCI/L |                             | 500.00                  |                      | NR             | 08/10/87             | 47.30 0<br>{ 5.52 }  | 08/10/87             | 25.00 0<br>{ 3.20 }  |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/03/87             | 396.00         | 07/20/87             | 410.00               | 07/20/87             | 465.00               |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.47

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-E13-14                 | SAMPLE DATE                      | 2-E17-1                    | SAMPLE DATE                      | 2-E17-6                    |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------|
| LFLUDRD          | PPB   | 20.00                       | 4000.00                 | 12/06/87             | 420.00                   | 10/08/87                         | 410.00                     | 10/07/87                         | 430.00                     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/03/87<br>12/08/87 | 14000.00<br>14000.00     | 07/20/87<br>10/08/87             | 398000.00 *<br>378000.00 * | 07/20/87<br>10/07/87             | 118000.00 *<br>281000.00 * |
| PH-LAB           |       | 6.01                        |                         | 08/03/87<br>12/08/87 | 7.74<br>8.08             | 07/20/87<br>10/08/87             | 7.49<br>7.55               | 07/20/87<br>10/07/87             | 7.77<br>7.01               |
| PHFIELD          |       | 6.10                        |                         | 08/03/87<br>12/08/87 | 7.70<br>7.40             | 07/20/87<br>10/08/87             | 6.00<br>7.00               | 07/20/87<br>10/07/87             | 8.00<br>6.70               |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/03/87             |                          | 07/20/87<br>08/12/87<br>09/15/87 |                            | 07/20/87<br>08/12/87<br>09/09/87 |                            |
|                  |       |                             |                         |                      | NR                       |                                  |                            |                                  | 557.00 *                   |
|                  |       |                             |                         |                      | NR                       | 10/08/87                         |                            | 10/07/87                         | { 150.00 }                 |
|                  |       |                             |                         |                      | NR                       | 11/05/87                         |                            | 11/05/87                         | { 93.40 }                  |
|                  |       |                             |                         |                      | NR                       | 12/02/87                         |                            | 12/02/87                         | { 292.00 *<br>110.00 }     |
|                  |       |                             |                         |                      |                          |                                  |                            |                                  | { 72.50 *<br>02.10 }       |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/03/87             |                          | 07/20/87                         | 5.91                       | 07/20/87                         | 2.50                       |
|                  |       |                             |                         |                      | NR                       | 10/08/87                         | { 1.42 }                   | 10/07/87                         | { 1.05 }                   |
|                  |       |                             |                         |                      |                          |                                  | { 6.94 }                   |                                  | { 6.70 }                   |
|                  |       |                             |                         |                      |                          |                                  | { 1.50 }                   |                                  | { 1.92 }                   |
| SULFATE          | PPB   | 500.00                      |                         | 08/03/87<br>12/08/87 | 35000.00<br>41000.00     | 07/20/87<br>10/08/87             | 41400.00<br>41000.00       | 07/20/87<br>10/07/87             | 36100.00<br>40200.00       |
| TC               | PPB   |                             |                         | 08/03/87<br>12/08/87 | 35200.00 0<br>31200.00 0 | 07/20/87<br>10/08/87             | 23300.00 0<br>22700.00 0   | 07/20/87<br>10/07/87             | 23100.00 0<br>24100.00 0   |
| TC-99            | PCI/L | 15.00                       | 900.00                  |                      | NR                       | 06/10/87                         | 32.50                      | 08/10/87                         | 226.00                     |
|                  |       |                             |                         |                      | NR                       |                                  | { 1.07 }                   | 10/07/87                         | { 3.10 }                   |
|                  |       |                             |                         |                      |                          |                                  | NR                         |                                  | { 411.00<br>3.73 }         |
| TDC              | PPB   | 1000.00                     |                         | 08/03/87             |                          | 07/20/87                         |                            | 07/20/87                         |                            |

C.48

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E13-14 | SAMPLE DATE | 2-E17-1                    | SAMPLE DATE | 2-E17-5                    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------------------------|-------------|----------------------------|
|                  |       |                             |                         |             |          |             |                            |             |                            |
| TOC              | PPB   | 1000.00                     |                         | 12/06/87    | 3200.00  | 10/08/87    |                            | 10/07/87    |                            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/03/87    |          | 07/20/87    | 9050000.00 *<br>{25300.00} | 07/20/87    | 4520000.00 *<br>{17000.00} |
|                  |       |                             |                         |             | NR       | 08/12/87    | 7360000.00 *<br>{22300.00} | 08/12/87    | 4270000.00 *<br>{17100.00} |
|                  |       |                             |                         |             | NR       | 09/16/87    | 8240000.00 *<br>{24100.00} | 09/09/87    | 5390000.00 *<br>{19500.00} |
|                  |       |                             |                         |             | NR       | 10/08/87    | 8830000.00 *<br>{24800.00} | 10/07/87    | 3890000.00 *<br>{18500.00} |
|                  |       |                             |                         |             | NR       | 11/05/87    | 9270000.00 *<br>{22400.00} | 11/05/87    | 3890000.00 *<br>{14500.00} |
|                  |       |                             |                         |             | NR       | 12/02/87    | 8500000.00 *<br>{11000.00} | 12/02/87    | 4230000.00 *<br>{ 7750.00} |
|                  |       |                             |                         |             |          |             | NR                         |             | NR                         |
| U                | PCI/L | 0.50                        | 000.00                  | 08/03/87    | 2.20     |             | NR                         |             | NR                         |
| U-CHEM           | UG/L  | 0.73                        |                         |             | NR       |             | NR                         | 07/20/87    | 7.42                       |
|                  |       |                             |                         |             | NR       |             | NR                         | 08/12/87    | 8.12                       |
|                  |       |                             |                         |             | NR       |             | NR                         | 09/09/87    | 10.70                      |
|                  |       |                             |                         |             | NR       |             | NR                         | 10/07/87    | 9.26                       |
|                  |       |                             |                         |             | NR       |             | NR                         | 11/05/87    | 9.86                       |
|                  |       |                             |                         |             | NR       |             | NR                         | 12/02/87    | 7.35                       |

C.49

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E17-8     | SAMPLE DATE | 2-E17-9     | SAMPLE DATE | 2-E24-2    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         |             |             |             |             |             |            |
| ALKALIN          |       |                             |                         | 07/20/87    | 156000.00 0 | 07/20/87    | 105000.00 0 | 08/20/87    | 88100.00 0 |
|                  |       |                             |                         | 10/07/87    | 148000.00 0 | 10/07/87    | 124000.00 0 |             | NR         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/20/87    |             | 07/20/87    | 1.50        | 07/21/87    | 5.00       |
|                  |       |                             |                         |             |             |             | { 1.20}     |             | { 1.00}    |
|                  |       |                             |                         | 10/07/87    |             | 07/20/87    | 3.43        | 08/12/87    | 4.30       |
|                  |       |                             |                         |             | NR          | 08/12/87    | { 0.81}     | 08/20/87    | { 0.90}    |
|                  |       |                             |                         |             | NR          | 09/09/87    | 2.10        |             | 1.30       |
|                  |       |                             |                         |             | NR          | 09/09/87    | { 0.63}     | 09/09/87    | { 1.32}    |
|                  |       |                             |                         |             | NR          | 10/07/87    | 3.24        | 10/06/87    | 3.00       |
|                  |       |                             |                         |             | NR          | 10/07/87    | { 0.77}     |             | { 0.85}    |
|                  |       |                             |                         |             | NR          | 10/07/87    | 1.07        | 11/05/87    | 4.50       |
|                  |       |                             |                         |             | NR          | 10/07/87    | { 1.23}     |             | { 0.93}    |
|                  |       |                             |                         |             | NR          | 11/05/87    | 2.14        | 12/07/87    | 4.94       |
|                  |       |                             |                         |             | NR          | 11/05/87    | { 0.65}     |             | { 0.96}    |
|                  |       |                             |                         |             | NR          | 12/02/87    | 2.70        |             | 0.52       |
|                  |       |                             |                         |             | NR          | 12/02/87    | { 0.71}     |             | { 1.11}    |
|                  |       |                             |                         |             | NR          |             | 2.19        |             | NR         |
|                  |       |                             |                         |             |             |             | { 0.64}     |             |            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/20/87    | 10.70       | 07/20/87    | 29.40       | 07/21/87    | 18.90      |
|                  |       |                             |                         |             | { 4.10}     |             | { 5.74}     |             | { 3.24}    |
|                  |       |                             |                         | 07/20/87    | 11.10       | 07/20/87    | 24.00       | 08/12/87    | 16.20      |
|                  |       |                             |                         |             | { 2.50}     |             | { 3.57}     |             | { 3.07}    |
|                  |       |                             |                         | 08/12/87    | 194.00 *    | 08/12/87    | 34.00       | 08/20/87    | 21.20      |
|                  |       |                             |                         |             | { 9.67}     |             | { 4.25}     |             | { 5.40}    |
|                  |       |                             |                         | 09/09/87    | 11.00       | 09/09/87    | 14.30       | 09/09/87    | 14.10      |
|                  |       |                             |                         |             | { 2.42}     |             | { 2.70}     |             | { 2.72}    |
|                  |       |                             |                         | 10/07/87    | 0.34        | 10/07/87    | 14.40       | 10/06/87    | 21.10      |
|                  |       |                             |                         |             | { 3.50}     |             | { 4.47}     |             | { 3.80}    |
|                  |       |                             |                         | 10/07/87    | 8.00        | 10/07/87    | 24.40       | 11/05/87    | 10.50      |
|                  |       |                             |                         |             | { 2.00}     |             | { 3.52}     |             | { 3.20}    |
|                  |       |                             |                         | 11/05/87    | 0.93        | 11/05/87    | 23.50       | 12/07/87    | 20.20      |
|                  |       |                             |                         |             | { 2.02}     |             | { 3.40}     |             | { 3.37}    |
|                  |       |                             |                         | 12/02/87    | 7.95        | 12/02/87    | 26.50       |             | NR         |
|                  |       |                             |                         |             | { 2.15}     |             | { 3.00}     |             |            |
| CHLDRID          | PPB   | 500.00                      |                         | 07/20/87    | 3470.00     | 07/20/87    | 6950.00     | 08/20/87    | 5510.00    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E17-6  |             | 2-E17-9  |             | 2-E24-2 |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|---------|----------|
|                  |       |                             |                         |             |          | SAMPLE DATE |          | SAMPLE DATE |         |          |
| CHLORID          | PPB   | 500.00                      |                         | 10/07/87    | 3200.00  | 10/07/87    | 6470.00  |             |         | NR       |
| CD-60            | PCI/L | 22.50                       | 100.00                  | 08/10/87    |          | 07/20/87    |          | 07/21/87    |         |          |
|                  |       |                             |                         |             | NR       | 08/12/87    |          | 08/12/87    |         |          |
|                  |       |                             |                         |             | NR       | 09/09/87    |          | 09/09/87    |         |          |
|                  |       |                             |                         |             | NR       | 10/07/87    |          | 10/06/87    |         |          |
|                  |       |                             |                         |             | NR       | 11/05/87    |          | 11/05/87    |         |          |
|                  |       |                             |                         |             | NR       | 12/02/87    |          | 12/07/87    |         | 5.05     |
|                  |       |                             |                         |             |          |             |          |             |         | { 4.51 } |
| CONDFLD          | UMHQ  | 1.00                        |                         | 07/20/87    | 200.00   | 07/20/87    | 477.00   | 08/20/87    |         | 520.00   |
|                  |       |                             |                         | 10/07/87    | 333.00   | 10/07/87    | 500.00   |             |         | NR       |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/10/87    |          | 07/20/87    |          | 07/21/87    |         | 3.38     |
|                  |       |                             |                         |             | NR       | 08/12/87    | 0.55     | 08/12/87    |         | { 2.98 } |
|                  |       |                             |                         |             |          |             | { 5.40 } |             |         |          |
|                  |       |                             |                         |             | NR       | 09/09/87    |          | 09/09/87    |         |          |
|                  |       |                             |                         |             | NR       | 10/07/87    |          | 10/06/87    |         |          |
|                  |       |                             |                         |             | NR       | 11/05/87    | 3.81     | 11/05/87    |         |          |
|                  |       |                             |                         |             |          |             | { 3.11 } |             |         |          |
|                  |       |                             |                         |             | NR       | 12/02/87    |          | 12/07/87    |         |          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/20/87    |          | 07/20/87    | 12.00    | 08/20/87    |         | 10.00    |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    | 12.00    |             |         | NR       |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/20/87    | 71.00    | 07/20/87    | 50.00    | 08/20/87    |         | 82.00    |
|                  |       |                             |                         | 10/07/87    | 75.00    | 10/07/87    | 61.00    |             |         | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/20/87    | 32000.00 | 07/20/87    | 49000.00 | 08/20/87    |         | 48000.00 |
|                  |       |                             |                         | 10/07/87    | 32100.00 | 10/07/87    | 49200.00 |             |         | NR       |
| FIRON            | PPB   | 50.00                       |                         | 07/20/87    | 450.00   | 07/20/87    |          | 08/20/87    |         | NR       |
|                  |       |                             |                         | 10/07/87    | 372.00   | 10/07/87    |          |             |         |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/20/87    | 500.00   | 07/20/87    | 812.00   | 08/20/87    |         | NR       |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          |             |         |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/20/87    | 12000.00 | 07/20/87    | 10200.00 | 08/20/87    |         | 18200.00 |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E17-8     |                              | 2-E17-9     |               | 2-E24-2     |             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------|-------------|---------------|-------------|-------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE                        | SAMPLE DATE | VALUE         | SAMPLE DATE | VALUE       |
| FMAGNES          | PPB   | 0.00                        |                         | 10/07/87    | 12400.00                     | 10/07/87    | 15300.00      |             | NR          |
| FWANGAN          | PPB   | 5.00                        |                         | 07/20/87    | 89.00                        | 07/20/87    | 6.00          | 08/20/87    | NR          |
|                  |       |                             |                         | 10/07/87    | 85.00                        | 10/07/87    | 5.00          |             |             |
| FPDTASS          | PPB   | 100.00                      |                         | 07/20/87    | 8830.00                      | 07/20/87    | 7020.00       | 08/20/87    | 6900.00     |
|                  |       |                             |                         | 10/07/87    | 8840.00                      | 10/07/87    | 7020.00       |             | NR          |
| FSODIUM          | PPB   | 100.00                      |                         | 07/20/87    | 15500.00                     | 07/20/87    | 25200.00      | 08/20/87    | 19100.00    |
|                  |       |                             |                         | 10/07/87    | 16700.00                     | 10/07/87    | 26400.00      |             | NR          |
| FVANADI          | PPB   | 5.00                        |                         | 07/20/87    |                              | 07/20/87    | 21.00         | 08/20/87    | 22.00       |
|                  |       |                             |                         | 10/07/87    |                              | 10/07/87    | 29.00         |             | NR          |
| FZINC            | PPB   | 5.00                        |                         | 07/20/87    | 9.00                         | 07/20/87    |               | 08/20/87    | 22.00       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/20/87    | 3220.00                      | 07/20/87    | 123000.00 *   | 07/21/87    | 204000.00 * |
|                  |       |                             |                         | 10/07/87    |                              | 08/12/87    | 145000.00 *   | 08/12/87    | 171000.00 * |
|                  |       |                             |                         |             | NR                           | 09/09/87    | 136000.00 *   | 09/09/87    | 189000.00 * |
|                  |       |                             |                         |             | NR                           | 10/07/87    | 114000.00 *   | 10/06/87    | 183000.00 * |
|                  |       |                             |                         |             | NR                           | 11/05/87    | 114000.00 *   | 11/05/87    | 155000.00 * |
|                  |       |                             |                         |             | NR                           | 12/02/87    | 118000.00 *   | 12/07/87    | 149000.00 * |
| I-129            | PCI/L |                             | 500.00                  | 08/10/87    | 1.87 0                       | 08/10/87    | 27.00 0       |             | NR          |
|                  |       |                             |                         | 12/02/87    | { 1.14}<br>4.73 0<br>{ 1.81} |             | { 3.42}<br>NR |             | NR          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/20/87    | 405.00                       | 07/20/87    | 540.00        | 08/20/87    | 510.00      |
|                  |       |                             |                         | 10/07/87    | 415.00                       | 10/07/87    | 580.00        |             | NR          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/20/87    | 751.00                       | 07/20/87    | 128000.00 *   | 08/20/87    | 194000.00 * |
|                  |       |                             |                         | 10/07/87    |                              | 10/07/87    | 123000.00 *   |             | NR          |
| PH-LAB           |       | 0.01                        |                         | 07/20/87    | 7.00                         | 07/20/87    | 7.54          | 08/20/87    | 7.66        |
|                  |       |                             |                         | 10/07/87    | 7.73                         | 10/07/87    | 7.02          |             | NR          |
| PHFIELD          |       | 0.10                        |                         | 07/20/87    | 8.40                         | 07/20/87    | 8.80          | 08/20/87    | 5.00        |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E17-8     |                         | 2-E17-9     |                              | 2-E24-2     |                              |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------------|-------------|------------------------------|-------------|------------------------------|
|                  |       |                             |                         | SAMPLE DATE |                         | SAMPLE DATE |                              | SAMPLE DATE |                              |
| PHFIELD          |       | 6.10                        |                         | 16/07/87    | 6.40                    | 16/07/87    | 6.80                         |             | NR                           |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/10/87    |                         | 07/20/87    | 112.00 *<br>{ 54.20 }        | 07/21/87    | 110.00 *<br>{ 50.60 }        |
|                  |       |                             |                         |             | NR                      | 08/12/87    |                              | 08/12/87    |                              |
|                  |       |                             |                         |             | NR                      | 09/09/87    |                              | 09/09/87    |                              |
|                  |       |                             |                         |             | NR                      | 10/07/87    |                              | 10/08/87    |                              |
|                  |       |                             |                         |             | NR                      | 11/05/87    | 37.70 *<br>{ 28.50 }         | 11/05/87    | 20.30<br>{ 20.20 }           |
|                  |       |                             |                         |             | NR                      | 12/02/87    |                              | 12/07/87    | 31.70 *<br>{ 25.00 }         |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/10/87    |                         | 07/20/87    | 3.29<br>{ 1.13 }             | 07/21/87    | 3.34<br>{ 1.10 }             |
|                  |       |                             |                         |             | NR                      | 10/07/87    | 2.75<br>{ 0.90 }             | 08/12/87    | 2.45<br>{ 1.30 }             |
|                  |       |                             |                         |             | NR                      |             | NR                           | 09/09/87    | 2.44<br>{ 0.90 }             |
|                  |       |                             |                         |             | NR                      |             | NR                           | 10/06/87    | 1.77<br>{ 0.71 }             |
|                  |       |                             |                         |             | NR                      |             | NR                           | 11/05/87    | 2.70<br>{ 1.00 }             |
|                  |       |                             |                         |             | NR                      |             | NR                           | 12/07/87    | 2.60<br>{ 1.20 }             |
| SULFATE          | PPB   | 500.00                      |                         | 07/20/87    | 22700.00                | 07/20/87    | 42100.00                     | 08/20/87    | 28900.00                     |
|                  |       |                             |                         | 10/07/87    | 22000.00                | 10/07/87    | 39000.00                     |             | NR                           |
| TC               | PPB   |                             |                         | 07/20/87    | 35700.00 0              | 07/20/87    | 27200.00 0                   | 08/20/87    | 21500.00 0                   |
|                  |       |                             |                         | 10/07/87    | 35400.00 0              | 10/07/87    | 25000.00 0                   |             | NR                           |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/20/87    | 12700.00<br>{ 1385.00 } | 07/20/87    | 4930000.00 *<br>{ 18700.00 } | 07/21/87    | 4050000.00 *<br>{ 18600.00 } |
|                  |       |                             |                         | 10/07/87    |                         | 08/12/87    | 5090000.00 *<br>{ 18800.00 } | 08/12/87    | 4930000.00 *<br>{ 18500.00 } |
|                  |       |                             |                         |             | NR                      | 09/09/87    | 5000000.00 *<br>{ 18900.00 } | 09/09/87    | 4440000.00 *<br>{ 17800.00 } |
|                  |       |                             |                         |             | NR                      | 10/07/87    | 3740000.00 *<br>{ 16000.00 } | 10/06/87    | 3830000.00 *<br>{ 16100.00 } |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.53

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E17-8 | SAMPLE DATE | 2-E17-9                    | SAMPLE DATE | 2-E24-2                    |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------------------------|-------------|----------------------------|
|                  |       |                             |                         | -----       | -----   | -----       | -----                      | -----       | -----                      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | -----       | NR      | 11/05/87    | 3610000.00 *<br>{14000.00} | 11/05/87    | 3970000.00 *<br>{14700.00} |
|                  |       |                             |                         | -----       | NR      | 12/02/87    | 4120000.00 *<br>{ 7640.00} | 12/07/87    | 4290000.00 *<br>{ 7620.00} |
| U-CHEM           | UG/L  | 0.73                        | -----                   | -----       | NR      | 07/20/87    | 2.03                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | 08/12/87    | 3.49                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | 09/09/87    | 4.36                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | 10/07/87    | 3.57                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | 11/05/87    | 3.33                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | 12/02/87    | 3.49                       | -----       | NR                         |
|                  |       |                             |                         | -----       | NR      | -----       | -----                      | -----       | NR                         |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E24-8                | SAMPLE DATE | 2-E24-12                  | SAMPLE DATE          | 2-E25-18                 |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------|-------------|---------------------------|----------------------|--------------------------|
|                  |       |                             |                         | -----       | -----                  | -----       | -----                     | -----                | -----                    |
| ALKALIN          |       |                             |                         | 08/10/87    | 98400.00 0<br>NR       | 07/13/87    | 120000.00 0<br>NR         | 07/16/87<br>10/00/87 | 86000.00 0<br>88100.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/10/87    | 2.50<br>{ 1.38 }<br>NR | 07/13/87    | 10.10 +<br>{ 3.41 }<br>NR | 07/16/87<br>07/16/87 | 1.07<br>{ 0.99 }<br>1.03 |
|                  |       |                             |                         |             | NR                     |             | NR                        | 08/13/87             | { 0.47 }<br>1.12         |
|                  |       |                             |                         |             | NR                     |             | NR                        | 09/13/87             | { 0.52 }<br>1.29         |
|                  |       |                             |                         |             | NR                     |             | NR                        | 10/08/87             | { 0.52 }<br>10.50 +      |
|                  |       |                             |                         |             | NR                     |             | NR                        | 10/08/87             | { 3.28 }<br>1.20         |
|                  |       |                             |                         |             | NR                     |             | NR                        | 11/09/87             | { 0.52 }<br>1.03         |
|                  |       |                             |                         |             | NR                     |             | NR                        | 12/04/87             | { 0.61 }<br>1.38         |
|                  |       |                             |                         |             | NR                     |             | NR                        |                      | { 0.54 }                 |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/21/87    | 21.50                  | 07/13/87    | 31.10                     | 07/16/87             | 0.34                     |
|                  |       |                             |                         |             | { 3.20 }               |             | { 5.77 }                  |                      | { 3.00 }                 |
|                  |       |                             |                         | 08/10/87    | 20.00                  | 07/13/87    | 37.50                     | 07/16/87             | 7.10                     |
|                  |       |                             |                         |             | { 5.15 }               |             | { 4.40 }                  |                      | { 2.01 }                 |
|                  |       |                             |                         | 08/12/87    | 19.70                  | 08/20/87    | 225.00 +                  | 08/13/87             | 4.42                     |
|                  |       |                             |                         |             | { 3.17 }               |             | { 10.50 }                 |                      | { 1.71 }                 |
|                  |       |                             |                         | 09/15/87    | 13.10                  | 09/16/87    | 476.00 +                  | 09/13/87             | 7.72                     |
|                  |       |                             |                         |             | { 2.57 }               |             | { 29.40 }                 |                      | { 2.05 }                 |
|                  |       |                             |                         | 10/07/87    | 13.70                  | 10/13/87    | 270.00 +                  | 10/08/87             | 5.36                     |
|                  |       |                             |                         |             | { 2.05 }               |             | { 11.10 }                 |                      | { 3.38 }                 |
|                  |       |                             |                         | 11/10/87    | 13.50                  | 11/10/87    | 51.10 +                   | 10/08/87             | 6.37                     |
|                  |       |                             |                         |             | { 2.02 }               |             | { 5.02 }                  |                      | { 1.94 }                 |
|                  |       |                             |                         | 12/03/87    | 12.90                  | 12/07/87    | 50.40 +                   | 11/09/87             | 5.79                     |
|                  |       |                             |                         |             | { 2.50 }               |             | { 5.03 }                  |                      | { 1.06 }                 |
|                  |       |                             |                         |             | NR                     |             | NR                        | 12/04/87             | 0.02                     |
|                  |       |                             |                         |             |                        |             |                           |                      | { 1.99 }                 |
| CHLORID          | PPB   | 500.00                      |                         | 08/10/87    | 13600.00               | 07/13/87    | 5750.00                   | 07/16/87             | 4710.00                  |

C.55

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E24-8     |       | 2-E24-12    |          | 2-E25-18    |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------|-------------|----------|-------------|----------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| CHLORID          | PPB   | 500.00                      |                         |             |             | NR    |             | NR       | 10/08/87    | 4480.00  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/21/87    |             |       | 07/13/87    | 7.31     | 07/16/87    |          |
|                  |       |                             |                         | 10/07/87    |             |       | 09/16/87    | { 5.97}  | 10/08/87    |          |
|                  |       |                             |                         |             |             | NR    | 10/13/87    | { 14.50} |             |          |
|                  |       |                             |                         |             |             |       |             | { 6.63}  |             | NR       |
|                  |       |                             |                         |             |             |       |             | { 9.12}  |             |          |
|                  |       |                             |                         |             |             |       |             | { 6.08}  |             |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/10/87    | 287.00      |       | 07/13/87    | 275.00   | 07/16/87    | 254.00   |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 241.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/21/87    |             |       | 07/13/87    |          | 07/16/87    |          |
|                  |       |                             |                         | 10/07/87    |             |       | 09/16/87    |          | 10/08/87    | 8.33     |
|                  |       |                             |                         |             |             | NR    | 10/13/87    |          |             | { 6.18}  |
|                  |       |                             |                         |             |             |       |             |          |             | NR       |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/10/87    | 5.00        |       | 07/13/87    | 5.00     | 07/16/87    | 12.00    |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 11.00    |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/10/87    | 39.00       |       | 07/13/87    | 53.00    | 07/16/87    | 18.00    |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 19.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 08/10/87    | 27100.00    |       | 07/13/87    | 44400.00 | 07/16/87    | 24500.00 |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 24900.00 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/10/87    |             |       | 07/13/87    | 609.00   | 07/16/87    | 509.00   |
|                  |       |                             |                         |             |             | NR    |             | NR       | 10/08/87    |          |
| FMAGNES          | PPB   | 0.00                        |                         | 08/10/87    | 9500.00     |       | 07/13/87    | 12900.00 | 07/16/87    | 7140.00  |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 7140.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 08/10/87    |             |       | 07/13/87    |          | 07/16/87    | 7.00     |
|                  |       |                             |                         |             |             | NR    |             | NR       | 10/08/87    | 7.00     |
| FPOTASS          | PPB   | 100.00                      |                         | 08/10/87    | 5500.00     |       | 07/13/87    | 5900.00  | 07/16/87    | 5430.00  |
|                  |       |                             |                         |             | NR          |       |             | NR       | 10/08/87    | 5190.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/10/87    | 10900.00    |       | 07/13/87    | 21200.00 | 07/16/87    | 17000.00 |

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C.56

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |               | SAMPLE DATE |              | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------|-------------|--------------|----------------------|----------------------|
|                  |       |                             |                         | 2-E24-8     | 2-E24-12      | 2-E24-8     | 2-E24-12     | 2-E24-8              | 2-E24-12             |
| FSODIUM          | PPB   | 100.00                      |                         |             | NR            |             | NR           | 10/08/87             | 16700.00             |
| FVANADI          | PPB   | 5.00                        |                         | 08/10/87    | 22.00<br>NR   | 07/13/87    | 21.00<br>NR  | 07/16/87<br>10/08/87 | 35.00<br>38.00       |
| FZINC            | PPB   | 5.00                        |                         | 08/10/87    | 5.00<br>NR    | 07/13/87    | 9.00<br>NR   | 07/16/87<br>10/08/87 | 9.00<br>7.00         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/21/87    | 6700.00       | 07/13/87    | 71500.00 *   | 07/16/87             | 12800.00             |
|                  |       |                             |                         | 08/12/87    | 6900.00       | 08/20/87    | 99100.00 *   | 08/13/87             | 9550.00              |
|                  |       |                             |                         | 09/15/87    | 5630.00       | 09/15/87    | 209000.00 *  | 09/13/87             | 10800.00             |
|                  |       |                             |                         | 10/07/87    | 4870.00       | 10/13/87    | 135000.00 *  | 10/08/87             | 10900.00             |
|                  |       |                             |                         | 11/10/87    | 5220.00       | 11/10/87    | 108000.00 *  | 11/09/87             | 13000.00             |
|                  |       |                             |                         | 12/03/87    | 4140.00       | 12/07/87    | 97500.00 *   | 12/04/87             | 14000.00             |
|                  |       |                             |                         |             |               |             |              |                      |                      |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/10/87    | 355.00<br>NR  | 07/13/87    | 540.00<br>NR | 07/16/87<br>10/08/87 | 510.00<br>470.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/10/87    | 6720.00<br>NR | 07/13/87    | 69400.00 *   | 07/16/87<br>10/08/87 | 14600.00<br>12100.00 |
| PH-LAB           |       | 0.01                        |                         | 08/10/87    | 7.82<br>NR    | 07/13/87    | 7.49<br>NR   | 07/16/87<br>10/08/87 | 7.96<br>8.05         |
| PHFIELD          |       | 0.10                        |                         | 08/10/87    | 7.10<br>NR    | 07/13/87    | 8.70<br>NR   | 07/16/87<br>10/08/87 | 8.00<br>7.00         |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/21/87    |               | 07/13/87    |              | 07/16/87             | 49.00 *              |
|                  |       |                             |                         | 10/07/87    | 61.40 *       | 09/15/87    | 420.00 *     | 10/08/87             | { 40.00 }            |
|                  |       |                             |                         |             | { 51.00 }     |             | { 102.00 }   |                      |                      |
|                  |       |                             |                         |             | NR            | 10/13/87    | { 163.00 }   | NR                   |                      |
|                  |       |                             |                         |             |               |             | { 70.00 }    |                      |                      |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/10/87    |               | 07/13/87    | 4.00         | 07/16/87             |                      |
|                  |       |                             |                         |             |               |             | { 1.25 }     |                      |                      |
|                  |       |                             |                         |             | NR            | 10/13/87    | 4.31         | 10/08/87             |                      |
|                  |       |                             |                         |             |               |             | { 1.10 }     |                      |                      |
| SULFATE          | PPB   | 500.00                      |                         | 08/10/87    | 40500.00      | 07/13/87    | 32500.00     | 07/16/87             | 28300.00             |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E24-8     | SAMPLE DATE | 2-E24-12     | SAMPLE DATE | 2-E25-18    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|--------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----        | -----       | -----       |
| SULFATE          | PPB   | 500.00                      |                         |             | NR          |             | NR           | 10/08/87    | 30000.00    |
| TC               | PPB   |                             |                         | 08/10/87    | 23000.00 0  | 07/13/87    | 30000.00 0   | 07/16/87    | 21300.00 0  |
|                  |       |                             |                         |             | NR          |             | NR           | 10/08/87    | 20000.00 0  |
| TOC              | PPB   | 1000.00                     |                         | 08/10/87    |             | 07/13/87    |              | 07/16/87    | 1900.00     |
|                  |       |                             |                         |             | NR          |             | NR           | 10/08/87    |             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/21/87    | 6100.00     | 07/13/87    | 1300000.00 * | 07/16/87    | 150000.00 * |
|                  |       |                             |                         |             | { 1210.00 } |             | { 9030.00 }  |             | { 3300.00 } |
|                  |       |                             |                         | 08/12/87    | 6400.00     | 08/20/87    | 1210000.00 * | 08/13/87    | 87000.00 *  |
|                  |       |                             |                         |             | { 387.00 }  |             | { 4140.00 }  |             | { 990.00 }  |
|                  |       |                             |                         | 09/16/87    | 7390.00     | 09/15/87    | 330000.00 *  | 09/13/87    | 90100.00 *  |
|                  |       |                             |                         |             | { 300.00 }  |             | { 2170.00 }  |             | { 1170.00 } |
|                  |       |                             |                         | 10/07/87    | 8690.00     | 10/13/87    | 1100000.00 * | 10/08/87    | 70000.00 *  |
|                  |       |                             |                         |             | { 400.00 }  |             | { 4070.00 }  |             | { 1010.00 } |
|                  |       |                             |                         | 11/10/87    | 7910.00     | 11/10/87    | 2140000.00 * | 11/09/87    | 82500.00 *  |
|                  |       |                             |                         |             | { 333.00 }  |             | { 4020.00 }  |             | { 1100.00 } |
|                  |       |                             |                         | 12/03/87    | 8670.00     | 12/07/87    | 2490000.00 * | 12/04/87    | 110000.00 * |
|                  |       |                             |                         |             | { 400.00 }  |             | { 5950.00 }  |             | { 1310.00 } |
| U                | PCI/L | 0.50                        | 000.00                  | 08/10/87    | 2.02        |             | NR           |             | NR          |

C.58

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-19         | SAMPLE DATE          | 2-E25-20                   | SAMPLE DATE | 2-E25-21          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|----------------------|----------------------------|-------------|-------------------|
|                  |       |                             |                         | -----       | -----            | -----                | -----                      | -----       | -----             |
| ALKALIN          |       |                             |                         | 10/14/87    | 94800.00 0<br>NR | 07/16/87<br>10/08/87 | 107000.00 0<br>104000.00 0 | 07/16/87    | 118000.00 0<br>NR |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/16/87    | 0.98             | 07/16/87             | 1.91                       | 07/16/87    |                   |
|                  |       |                             |                         |             | { 0.47}          |                      | { 1.02}                    |             |                   |
|                  |       |                             |                         | 08/18/87    | 1.31             | 07/16/87             | 1.78                       | 07/16/87    | 0.94              |
|                  |       |                             |                         |             | { 0.52}          |                      | { 0.58}                    |             | { 0.46}           |
|                  |       |                             |                         | 09/13/87    | 1.26             | 08/13/87             | 1.32                       | 08/13/87    | 1.25              |
|                  |       |                             |                         |             | { 0.52}          |                      | { 0.52}                    |             | { 0.50}           |
|                  |       |                             |                         | 10/06/87    | 1.43             | 09/13/87             | 1.60                       | 09/13/87    | 1.17              |
|                  |       |                             |                         |             | { 0.55}          |                      | { 0.58}                    |             | { 0.49}           |
|                  |       |                             |                         | 10/14/87    | 1.48             | 10/06/87             | 1.84                       | 10/06/87    | 1.52              |
|                  |       |                             |                         |             | { 1.24}          |                      | { 1.44}                    |             | { 0.57}           |
|                  |       |                             |                         | 11/09/87    | 1.09             | 10/06/87             | 2.15                       | 11/09/87    | 1.74              |
|                  |       |                             |                         |             | { 0.50}          |                      | { 0.64}                    |             | { 0.60}           |
|                  |       |                             |                         | 12/04/87    | 0.38             | 11/09/87             | 2.60                       | 12/04/87    | 1.50              |
|                  |       |                             |                         |             | { 0.35}          |                      | { 0.62}                    |             | { 0.55}           |
|                  |       |                             |                         |             | NR               | 12/04/87             | 1.97                       |             | NR                |
|                  |       |                             |                         |             |                  |                      | { 0.63}                    |             |                   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/16/87    | 44.10            | 07/16/87             | 20.90                      | 07/16/87    | 17.00             |
|                  |       |                             |                         |             | { 4.81}          |                      | { 5.52}                    |             | { 4.69}           |
|                  |       |                             |                         | 08/18/87    | 19.30            | 07/16/87             | 9.10                       | 07/16/87    | 11.10             |
|                  |       |                             |                         |             | { 3.24}          |                      | { 2.40}                    |             | { 2.43}           |
|                  |       |                             |                         | 09/13/87    | 10.90            | 08/13/87             | 14.20                      | 08/13/87    | 12.10             |
|                  |       |                             |                         |             | { 2.46}          |                      | { 2.96}                    |             | { 2.55}           |
|                  |       |                             |                         | 10/06/87    | 9.28             | 09/13/87             | 15.30                      | 09/13/87    | 10.50             |
|                  |       |                             |                         |             | { 2.25}          |                      | { 2.90}                    |             | { 2.39}           |
|                  |       |                             |                         | 10/14/87    | 17.50            | 10/06/87             | 10.20                      | 10/06/87    | 9.04              |
|                  |       |                             |                         |             | { 4.73}          |                      | { 4.82}                    |             | { 2.21}           |
|                  |       |                             |                         | 11/09/87    | 22.30            | 10/06/87             | 11.90                      | 11/09/87    | 9.51              |
|                  |       |                             |                         |             | { 3.41}          |                      | { 2.75}                    |             | { 1.94}           |
|                  |       |                             |                         | 12/04/87    | 52.20 *          | 11/09/87             | 14.30                      | 12/04/87    | 10.10             |
|                  |       |                             |                         |             | { 5.11}          |                      | { 2.90}                    |             | { 2.36}           |
|                  |       |                             |                         |             | NR               | 12/04/87             | 15.50                      |             | NR                |
|                  |       |                             |                         |             |                  |                      | { 3.05}                    |             |                   |
| CHLORID          | PPB   | 500.00                      |                         | 10/14/87    | 4510.00          | 07/16/87             | 0930.00                    | 07/16/87    | 3500.00           |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.59

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E25-19    |          | 2-E25-20    |          | 2-E25-21    |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
| CHLORID          | PPB   | 500.00                      |                         |             | NR       | 10/08/87    | 8190.00  |             | NR       |
| CD-80            | PCI/L | 22.50                       | 100.00                  | 07/10/87    | 6.09     | 07/10/87    |          | 07/10/87    |          |
|                  |       |                             |                         | 10/06/87    | { 5.45 } | 10/08/87    |          | 08/13/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/13/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 10/06/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 11/09/87    | 5.06     |
|                  |       |                             |                         |             | NR       |             | NR       | 12/04/87    | { 4.52 } |
| CONDFLD          | UMHO  | 1.00                        |                         | 10/14/87    | 360.00   | 07/10/87    | 763.00   | 07/10/87    | 345.00   |
|                  |       |                             |                         |             | NR       | 10/08/87    | 610.00   |             | NR       |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/10/87    | 6.01     | 07/10/87    | 6.39     | 07/10/87    |          |
|                  |       |                             |                         | 10/06/87    | { 4.54 } | 10/08/87    | { 5.73 } | 08/13/87    |          |
|                  |       |                             |                         |             | 4.27     |             | 6.55     |             |          |
|                  |       |                             |                         |             | { 3.49 } |             | { 6.40 } |             |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/13/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 10/06/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 11/09/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 12/04/87    |          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 10/14/87    | 7.00     | 07/10/87    | 7.00     | 07/10/87    | 8.00     |
|                  |       |                             |                         |             | NR       | 10/08/87    | 7.00     |             | NR       |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 10/14/87    | 53.00    | 07/10/87    | 65.00    | 07/10/87    | 22.00    |
|                  |       |                             |                         |             | NR       | 10/08/87    | 60.00    |             | NR       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 10/14/87    |          | 07/10/87    | 3.00     | 07/10/87    |          |
|                  |       |                             |                         |             | NR       | 10/08/87    |          |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 10/14/87    | 34800.00 | 07/10/87    | 69000.00 | 07/10/87    | 24400.00 |
|                  |       |                             |                         |             | NR       | 10/08/87    | 56200.00 |             | NR       |
| FIRON            | PPB   | 50.00                       |                         | 10/14/87    |          | 07/10/87    |          | 07/10/87    | 53.00    |
|                  |       |                             |                         |             | NR       | 10/08/87    |          |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 10/14/87    | 782.00   | 07/10/87    | 1000.00  | 07/10/87    | 957.00   |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.60

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|----------|
|                  |       |                             |                         | 2-E25-19    | 2-E25-20    | 2-E25-19    | 2-E25-20    | 2-E25-19    | 2-E25-20 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 |             |             | NR          | 10/08/87    |             | NR       |
| FMAGNES          | PPB   | 5.00                        |                         | 10/14/87    | 9840.00     | 07/10/87    | 19500.00    | 07/10/87    | 6690.00  |
|                  |       |                             |                         |             | NR          | 10/08/87    | 16300.00    |             | NR       |
| FMANGAN          | PPB   | 5.00                        |                         | 10/14/87    |             | 07/10/87    |             | 07/10/87    | 7.00     |
|                  |       |                             |                         |             | NR          | 10/08/87    |             |             | NR       |
| FPOTASS          | PPB   | 100.00                      |                         | 10/14/87    | 8390.00     | 07/10/87    | 13100.00    | 07/10/87    | 8330.00  |
|                  |       |                             |                         |             | NR          | 10/08/87    | 12700.00    |             | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 10/14/87    | 30400.00    | 07/10/87    | 46000.00    | 07/10/87    | 33000.00 |
|                  |       |                             |                         |             | NR          | 10/08/87    | 45800.00    |             | NR       |
| FSTRONT          | PPB   | 300.00                      |                         | 10/14/87    |             | 07/10/87    | 345.00      | 07/10/87    |          |
|                  |       |                             |                         |             | NR          | 10/08/87    |             |             | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 10/14/87    | 45.00       | 07/10/87    | 42.00       | 07/10/87    | 57.00    |
|                  |       |                             |                         |             | NR          | 10/08/87    | 46.00       |             | NR       |
| FZINC            | PPB   | 5.00                        |                         | 10/14/87    | 17.00       | 07/10/87    | 23.00       | 07/10/87    | 10.00    |
|                  |       |                             |                         |             | NR          | 10/08/87    | 8.00        |             | NR       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/10/87    | 131000.00 * | 07/10/87    | 192000.00 * | 07/10/87    | 8450.00  |
|                  |       |                             |                         | 08/18/87    | 98200.00 *  | 08/13/87    | 185000.00 * | 08/13/87    | 7360.00  |
|                  |       |                             |                         | 09/13/87    | 98200.00 *  | 09/13/87    | 141000.00 * | 09/13/87    | 5720.00  |
|                  |       |                             |                         | 10/08/87    | 82700.00 *  | 10/08/87    | 144000.00 * | 10/08/87    | 5810.00  |
|                  |       |                             |                         | 11/09/87    | 120000.00 * | 11/09/87    | 229000.00 * | 11/09/87    | 8590.00  |
|                  |       |                             |                         | 12/04/87    | 158000.00 * | 12/04/87    | 174000.00 * | 12/04/87    | 6310.00  |
|                  |       |                             |                         |             |             |             |             |             |          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 10/14/87    | 570.00      | 07/10/87    | 760.00      | 07/10/87    | 820.00   |
|                  |       |                             |                         |             | NR          | 10/08/87    | 660.00      |             | NR       |
| METHONE          | PPB   | 10.00                       |                         | 10/14/87    | 29.00       | 07/10/87    |             | 07/10/87    |          |
|                  |       |                             |                         |             | NR          | 10/08/87    |             |             | NR       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/14/87    | 72800.00 *  | 07/10/87    | 178000.00 * | 07/10/87    | 8380.00  |
|                  |       |                             |                         |             | NR          | 10/08/87    | 145000.00 * |             | NR       |
| PH-LAB           |       | 0.01                        |                         | 10/14/87    | 7.85        | 07/10/87    | 7.68        | 07/10/87    | 7.72     |

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 \* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.61

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-19                     | SAMPLE DATE          | 2-E25-20                   | SAMPLE DATE | 2-E25-21               |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------|----------------------|----------------------------|-------------|------------------------|
|                  |       |                             |                         | -----       | -----                        | -----                | -----                      | -----       | -----                  |
| PH-LAB           |       | 0.01                        |                         |             | NR                           | 10/08/87             | 7.74                       |             | NR                     |
| PHFIELD          |       | 0.10                        |                         | 10/14/87    | 7.30<br>NR                   | 07/16/87<br>10/08/87 | 0.00<br>0.90               | 07/16/87    | 7.60<br>NR             |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/10/87    |                              | 07/16/87             |                            | 07/16/87    | 50.70 *                |
|                  |       |                             |                         | 10/08/87    |                              | 10/08/87             | 86.70 *<br>{ 50.00 }       | 08/13/87    | { 38.30 }              |
|                  |       |                             |                         |             | NR                           |                      | NR                         | 09/13/87    |                        |
|                  |       |                             |                         |             | NR                           |                      | NR                         | 10/08/87    |                        |
|                  |       |                             |                         |             | NR                           |                      | NR                         | 11/09/87    |                        |
|                  |       |                             |                         |             | NR                           |                      | NR                         | 12/04/87    |                        |
| SULFATE          | PPB   | 500.00                      |                         | 10/14/87    | 49100.00<br>NR               | 07/16/87<br>10/08/87 | 99300.00<br>90800.00       | 07/16/87    | 36400.00<br>NR         |
| TC               | PPB   |                             |                         | 10/14/87    | 21000.00 0<br>NR             | 07/16/87<br>10/08/87 | 28800.00 0<br>25400.00 0   | 07/16/87    | 30100.00 0<br>NR       |
| TOC              | PPB   | 1000.00                     |                         | 10/14/87    |                              | 07/16/87<br>10/08/87 | 2070.00                    | 07/16/87    |                        |
|                  |       |                             |                         |             | NR                           |                      |                            |             | NR                     |
| TDXLDL           | PPB   | 20.00                       |                         |             | NR                           | 07/16/87<br>10/08/87 | 1890.00                    | 07/16/87    |                        |
|                  |       |                             |                         |             | NR                           |                      |                            |             | NR                     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/10/87    | 3330000.00 *<br>{ 15300.00 } | 07/16/87             | 630000.00 *<br>{ 6700.00 } | 07/16/87    | 5070.00<br>{ 1180.00 } |
|                  |       |                             |                         | 08/10/87    | 723000.00 *<br>{ 3300.00 }   | 08/13/87             | 567000.00 *<br>{ 2840.00 } | 08/13/87    | 4340.00<br>{ 324.00 }  |
|                  |       |                             |                         | 09/13/87    | 560000.00 *<br>{ 2020.00 }   | 09/13/87             | 280000.00 *<br>{ 2020.00 } | 09/13/87    | 4300.00<br>{ 310.00 }  |
|                  |       |                             |                         | 10/08/87    | 423000.00 *<br>{ 2470.00 }   | 10/08/87             | 311000.00 *<br>{ 2110.00 } | 10/08/87    | 5200.00<br>{ 340.00 }  |
|                  |       |                             |                         | 11/09/87    | 1040000.00 *<br>{ 5120.00 }  | 11/09/87             | 014000.00 *<br>{ 3370.00 } | 11/09/87    | 5010.00<br>{ 330.00 }  |
|                  |       |                             |                         | 12/04/87    | 4000000.00 *<br>{ 7500.00 }  | 12/04/87             | 050000.00 *<br>{ 3500.00 } | 12/04/87    | 4830.00<br>{ 392.00 }  |

C.62

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-22   |  | SAMPLE DATE | 2-E25-23    |  | SAMPLE DATE | 2-E25-24    |         |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|-------------|-------------|--|-------------|-------------|---------|
|                  |       |                             |                         |             |            |  |             |             |  |             |             |         |
| ALKALIN          |       |                             |                         | 07/16/87    | 93000.00 0 |  | 07/17/87    | 105000.00 0 |  | 07/17/87    | 121000.00 0 |         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/16/87    | 1.33       |  | 07/17/87    | 1.63        |  | 07/17/87    |             |         |
|                  |       |                             |                         |             | { 1.06 }   |  |             | { 1.21 }    |  |             |             |         |
|                  |       |                             |                         | 07/16/87    | 1.01       |  | 07/17/87    | 1.53        |  | 07/17/87    |             | 1.31    |
|                  |       |                             |                         |             | { 0.49 }   |  |             | { 0.57 }    |  |             | { 0.55 }    |         |
|                  |       |                             |                         | 10/07/87    | 1.16       |  | 08/13/87    | 1.12        |  | 08/13/87    |             | 0.75    |
|                  |       |                             |                         |             | { 0.51 }   |  |             | { 0.50 }    |  |             | { 0.44 }    |         |
|                  |       |                             |                         | 11/09/87    | 1.06       |  | 09/13/87    | 0.76        |  | 09/13/87    |             | 0.60    |
|                  |       |                             |                         |             | { 0.50 }   |  |             | { 0.42 }    |  |             | { 0.40 }    |         |
|                  |       |                             |                         | 12/04/87    | 1.02       |  | 10/09/87    | 0.75        |  | 10/07/87    |             | 0.93    |
|                  |       |                             |                         |             | { 0.46 }   |  |             | { 0.42 }    |  |             | { 0.45 }    |         |
|                  |       |                             |                         |             | NR         |  | 11/09/87    | 0.87        |  | 11/09/87    |             | 1.20    |
|                  |       |                             |                         |             | NR         |  |             | { 0.48 }    |  |             | { 0.51 }    |         |
|                  |       |                             |                         |             | NR         |  | 12/04/87    | 0.81        |  | 12/04/87    |             | 0.70    |
|                  |       |                             |                         |             |            |  |             | { 0.44 }    |  |             | { 0.42 }    |         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/16/87    | 7.69       |  | 07/17/87    | 21.20       |  | 07/17/87    |             | 21.00   |
|                  |       |                             |                         |             | { 3.72 }   |  |             | { 5.12 }    |  |             | { 5.03 }    |         |
|                  |       |                             |                         | 07/16/87    | 3.50       |  | 07/17/87    | 14.50       |  | 07/17/87    |             | 8.05    |
|                  |       |                             |                         |             | { 1.49 }   |  |             | { 2.75 }    |  |             | { 2.01 }    |         |
|                  |       |                             |                         | 10/07/87    | 5.73       |  | 08/13/87    | 14.50       |  | 08/13/87    |             | 12.40   |
|                  |       |                             |                         |             | { 1.06 }   |  |             | { 2.71 }    |  |             | { 2.49 }    |         |
|                  |       |                             |                         | 11/09/87    | 5.74       |  | 09/13/87    | 13.00       |  | 09/13/87    |             | 16.70   |
|                  |       |                             |                         |             | { 1.02 }   |  |             | { 2.03 }    |  |             | { 2.06 }    |         |
|                  |       |                             |                         | 12/04/87    | 7.26       |  | 10/09/87    | 14.00       |  | 10/07/87    |             | 15.20   |
|                  |       |                             |                         |             | { 2.04 }   |  |             | { 2.07 }    |  |             | { 2.02 }    |         |
|                  |       |                             |                         |             | NR         |  | 11/09/87    | 13.20       |  | 11/09/87    |             | 11.00   |
|                  |       |                             |                         |             | NR         |  |             | { 2.50 }    |  |             | { 2.40 }    |         |
|                  |       |                             |                         |             | NR         |  | 12/04/87    | 14.70       |  | 12/04/87    |             | 12.70   |
|                  |       |                             |                         |             |            |  |             | { 2.79 }    |  |             | { 2.50 }    |         |
| CHLORID          | PPB   | 500.00                      |                         | 07/16/87    | 4400.00    |  | 07/17/87    | 1000.00     |  | 07/17/87    |             | 1510.00 |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/16/87    |            |  | 07/17/87    |             |  | 07/17/87    |             | 6.00    |
|                  |       |                             |                         |             |            |  |             |             |  |             | { 4.00 }    |         |
|                  |       |                             |                         | 10/07/87    |            |  | 08/13/87    |             |  | 08/13/87    |             | 8.50    |
|                  |       |                             |                         | 11/09/87    |            |  | 09/13/87    |             |  | 09/13/87    |             | 6.00    |
|                  |       |                             |                         |             |            |  |             |             |  |             | { 6.00 }    |         |

C.63

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-22          | SAMPLE DATE | 2-E25-23         | SAMPLE DATE | 2-E25-24          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|------------------|-------------|-------------------|
| CD-88            | PCI/L | 22.50                       | 100.00                  | 12/04/87    |                   | 10/09/87    |                  | 10/07/87    | 11.20<br>{ 7.94 } |
|                  |       |                             |                         |             | NR                | 11/09/87    |                  | 11/09/87    |                   |
|                  |       |                             |                         |             | NR                | 12/04/87    |                  | 12/04/87    |                   |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/16/87    | 271.00            | 07/17/87    | 321.00           | 07/17/87    | 950.00            |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/16/87    |                   | 07/17/87    |                  | 07/17/87    |                   |
|                  |       |                             |                         | 10/07/87    | 10.20<br>{ 6.11 } | 08/13/87    |                  | 08/13/87    |                   |
|                  |       |                             |                         | 11/09/87    |                   | 09/13/87    |                  | 09/13/87    |                   |
|                  |       |                             |                         | 12/04/87    |                   | 10/09/87    |                  | 10/07/87    |                   |
|                  |       |                             |                         |             | NR                | 11/09/87    |                  | 11/09/87    |                   |
|                  |       |                             |                         |             | NR                | 12/04/87    | 0.40<br>{ 4.90 } | 12/04/87    |                   |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/16/87    | 10.00             | 07/17/87    | 17.00            | 07/17/87    | 17.00             |
| FBARIIUM         | PPB   | 0.00                        | 1000.00                 | 07/16/87    | 21.00             | 07/17/87    | 37.00            | 07/17/87    | 32.00             |
| FCALCIU          | PPB   | 50.00                       |                         | 07/16/87    | 22900.00          | 07/17/87    | 25300.00         | 07/17/87    | 25000.00          |
| FIRON            | PPB   | 50.00                       |                         | 07/16/87    |                   | 07/17/87    | 66.00            | 07/17/87    |                   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/16/87    | 700.00            | 07/17/87    | 601.00           | 07/17/87    | 940.00            |
| FMAGNES          | PPB   | 0.00                        |                         | 07/16/87    | 6590.00           | 07/17/87    | 4990.00          | 07/17/87    | 6010.00           |
| FPOTASS          | PPB   | 100.00                      |                         | 07/16/87    | 6250.00           | 07/17/87    | 7820.00          | 07/17/87    | 8790.00           |
| FSODIUM          | PPB   | 100.00                      |                         | 07/16/87    | 19800.00          | 07/17/87    | 18400.00         | 07/17/87    | 24500.00          |
| FVANADI          | PPB   | 5.00                        |                         | 07/16/87    | 54.00             | 07/17/87    | 130.00           | 07/17/87    | 140.00            |
| FZINC            | PPB   | 5.00                        |                         | 07/16/87    | 10.00             | 07/17/87    | 17.00            | 07/17/87    | 9.00              |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/16/87    | 7040.00           | 07/17/87    | 3970.00          | 07/17/87    | 3290.00           |
|                  |       |                             |                         | 10/07/87    | 4460.00           | 08/13/87    |                  | 08/13/87    |                   |
|                  |       |                             |                         | 11/09/87    | 6260.00           | 09/13/87    |                  | 09/13/87    |                   |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.64

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-22    |            | 2-E25-23    |            | 2-E25-24    |            |
|------------------|------------|-----------------------------|-------------------------|-------------|-------------|------------|-------------|------------|-------------|------------|
|                  |            |                             |                         |             | SAMPLE DATE | VALUE      | SAMPLE DATE | VALUE      | SAMPLE DATE | VALUE      |
| HNITRAT          | PPB        | 2500.00                     | 45000.00                | 12/04/87    | 5120.00     |            | 10/09/87    |            | 10/07/87    |            |
|                  |            |                             |                         |             | NR          |            | 11/09/87    | 2650.00    | 11/09/87    |            |
|                  |            |                             |                         |             | NR          |            | 12/04/87    |            | 12/04/87    |            |
| LFLUORD          | PPB        | 20.00                       | 4000.00                 | 07/10/87    | 500.00      |            | 07/17/87    | 525.00     | 07/17/87    | 800.00     |
| NITRATE          | PPB        | 500.00                      | 45000.00                | 07/10/87    | 6300.00     |            | 07/17/87    | 2540.00    | 07/17/87    | 1970.00    |
| PH-LAB           |            | 0.01                        |                         | 07/10/87    | 8.05        |            | 07/17/87    | 7.99       | 07/17/87    | 7.80       |
| PHFIELD          |            | 0.10                        |                         | 07/10/87    | 8.40        |            | 07/17/87    | 7.30       | 07/17/87    | 7.40       |
| RU-100           | PCI/L      | 172.50                      | 30.00                   | 07/10/87    |             |            | 07/17/87    | 59.00 *    | 07/17/87    |            |
|                  |            |                             |                         |             |             |            | { 49.70 }   |            |             |            |
|                  |            |                             |                         | 10/07/87    | 69.90 *     | 00/13/87   |             | 00/13/87   |             |            |
|                  |            |                             |                         |             | { 38.80 }   |            |             | 09/13/87   |             |            |
|                  |            |                             |                         | 11/09/87    |             | 09/13/87   |             | 10/07/87   |             |            |
|                  |            | 12/04/87                    |                         | 10/09/87    |             | 10/07/87   | 90.40 *     |            | { 70.10 }   |            |
|                  |            |                             |                         | NR          |             | 11/09/87   |             | 11/09/87   |             |            |
|                  |            |                             |                         | NR          |             | 12/04/87   |             | 12/04/87   |             |            |
| STYRENE          | PPB        |                             | ( 140.0 )               |             | NR          |            | 07/17/87    | 11.00 0    |             | NR         |
| SULFATE          | PPB        | 500.00                      |                         | 07/10/87    | 27300.00    |            | 07/17/87    | 26900.00   | 07/17/87    | 27500.00   |
| TC               | PPB        |                             |                         | 07/10/87    | 23000.00 0  |            | 07/17/87    | 27000.00 0 | 07/17/87    | 31200.00 0 |
| TOC              | PPB        | 1000.00                     |                         | 07/10/87    | 1040.00     |            | 07/17/87    |            | 07/17/87    |            |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 07/10/87    | 11100.00    |            | 07/17/87    | 1080.00    | 07/17/87    | 1170.00    |
|                  |            |                             |                         |             | { 1330.00 } |            | { 222.00 }  |            | { 225.00 }  |            |
|                  |            |                             |                         | 10/07/87    | 6590.00     | 00/13/87   | 329.00      | 00/13/87   | 710.00      |            |
|                  |            |                             |                         |             | { 367.00 }  |            | { 177.00 }  |            | { 107.00 }  |            |
|                  |            |                             |                         | 11/09/87    | 6990.00     | 09/13/87   |             | 09/13/87   | 491.00      |            |
|                  |            |                             |                         |             | { 377.00 }  |            |             |            | { 215.00 }  |            |
|                  |            |                             |                         | 12/04/87    | 13400.00    | 10/09/87   |             | 10/07/87   | 490.00      |            |
|                  | { 470.00 } |                             |                         |             | { 220.00 }  |            |             |            |             |            |
|                  |            |                             |                         | NR          |             | 11/09/87   | 476.00      | 11/09/87   | 665.00      |            |
|                  |            |                             |                         |             |             | { 212.00 } |             | { 210.00 } |             |            |

C.65

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-E25-22       |  | 2-E25-23       |                     | 2-E25-24       |                     |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--|----------------|---------------------|----------------|---------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |  | SAMPLE<br>DATE |                     | SAMPLE<br>DATE |                     |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | NR             |  | 12/04/87       | 460.00<br>{ 213.00} | 12/04/87       | 748.00<br>{ 222.00} |

C.66

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      | 2-E27-5   | SAMPLE DATE  | 2-E28-21  | SAMPLE DATE                      | 2-E32-1   |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|---|--|---|----------------------------------|---|
|                  |       |                             |                         | -----                            | -----   | -----  | -----   | -----                            | -----   |
| ALKALIN          |       |                             |                         | 08/05/87                         | 97100.00 0<br>NR  | 07/17/87<br>10/08/87   | 113000.00 0<br>114000.00 0  | 08/06/87<br>12/31/87             | 96800.00 0<br>95500.00 0  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/05/87                         | 2.26<br>{ 1.24 }<br>NR  | 07/17/87<br>07/17/87<br>08/13/87<br>09/13/87<br>10/08/87<br>10/08/87<br>11/10/87<br>12/02/87 | 52.50 +<br>{ 0.87 }<br>44.86 +<br>{ 2.71 }<br>50.10 +<br>{ 3.00 }<br>39.30 +<br>{ 2.60 }<br>30.70 +<br>{ 2.45 }<br>30.50 +<br>{ 2.35 }<br>33.10 +<br>{ 2.37 }       | 08/06/87<br>12/31/87             | 2.85<br>{ 1.42 }<br>2.83<br>{ 1.47 }<br>NR<br>NR<br>NR<br>NR<br>NR                        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/05/87<br>08/05/87<br>10/28/87 | 72.70 +<br>{ 8.20 }<br>80.70 +<br>{ 8.12 }<br>63.30 +<br>{ 4.91 }<br>NR | 07/17/87<br>07/17/87<br>08/13/87<br>09/13/87<br>10/08/87<br>10/08/87<br>11/10/87<br>12/02/87 | 20.60<br>{ 5.32 }<br>10.30<br>{ 2.05 }<br>17.50<br>{ 3.14 }<br>10.00<br>{ 2.95 }<br>4.00<br>{ 3.14 }<br>11.50<br>{ 2.63 }<br>13.40<br>{ 2.77 }<br>10.60<br>{ 3.00 } | 08/06/87<br>08/06/87<br>12/31/87 | 33.40<br>{ 5.92 }<br>35.90<br>{ 4.04 }<br>26.80<br>{ 5.53 }<br>NR<br>NR<br>NR<br>NR<br>NR |
| CHLORID          | PPB   | 500.00                      |                         | 08/05/87                         | 6420.00<br>NR   | 07/17/87<br>10/08/87   | 11200.00<br>10700.00  | 08/06/87<br>12/31/87             | 12500.00<br>17200.00  |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.67

TABLE C.3. (contd)

C.68

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E27-5  | SAMPLE DATE | 2-E28-21 | SAMPLE DATE | 2-E32-1  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| CO-85            | PCI/L | 22.50                       | 100.00                  | 08/05/87    |          | 07/17/87    |          |             | NR       |
|                  |       |                             |                         | 10/25/87    |          | 08/13/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 09/13/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 10/08/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/10/87    | 6.41     |             | NR       |
|                  |       |                             |                         |             | NR       | 12/02/87    | { 5.23 } |             |          |
|                  |       |                             | { 5.04 }                |             |          |             |          |             |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/05/87    | 275.00   | 07/17/87    | 551.00   | 08/06/87    | 275.00   |
|                  |       |                             |                         |             | NR       | 10/08/87    | 529.00   | 12/31/87    | 270.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/05/87    | 12.00    | 07/17/87    |          |             | NR       |
|                  |       |                             |                         | 10/26/87    | { 8.39 } | 08/13/87    | 3.78     |             | NR       |
|                  |       |                             |                         |             |          | 09/13/87    | { 3.38 } |             | NR       |
|                  |       |                             |                         |             |          |             | { 4.82 } |             |          |
|                  |       |                             |                         |             |          |             | { 3.84 } |             |          |
|                  |       |                             |                         |             |          |             |          | 10/08/87    |          |
|                  |       |                             |                         | 11/10/87    |          | NR          |          |             |          |
|                  |       |                             |                         | 12/02/87    |          | NR          |          |             |          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/05/87    |          | 07/17/87    |          | 08/06/87    | 5.00     |
|                  |       |                             |                         |             | NR       | 10/08/87    |          | 12/31/87    | 5.00     |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/05/87    | 17.00    | 07/17/87    | 43.00    | 08/06/87    | 37.00    |
|                  |       |                             |                         |             | NR       | 10/08/87    | 48.00    | 12/31/87    | 30.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 08/05/87    | 8320.00  | 07/17/87    | 87200.00 | 08/06/87    | 24200.00 |
|                  |       |                             |                         |             | NR       | 10/08/87    | 83100.00 | 12/31/87    | 30000.00 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/05/87    |          | 07/17/87    | 674.00   | 08/06/87    | 504.00   |
|                  |       |                             |                         |             | NR       | 10/08/87    |          | 12/31/87    | 665.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/05/87    | 8380.00  | 07/17/87    | 15700.00 | 08/06/87    | 9000.00  |
|                  |       |                             |                         |             | NR       | 10/08/87    | 15700.00 | 12/31/87    | 9410.00  |
| FPOTASS          | PPB   | 100.00                      |                         | 08/05/87    | 5510.00  | 07/17/87    | 5320.00  | 08/06/87    | 5485.00  |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-E27-5         | SAMPLE DATE  | 2-E28-21   | SAMPLE DATE          | 2-E32-1                                |
|------------------|-------|-----------------------------|-------------------------|----------------------|-----------------|--|--|----------------------|--|
| FPOTASS          | PPB   | 100.00                      |                         |                      | NR              | 10/08/87   | 5000.00  | 12/31/87             | 5200.00                                |
| FSELENI          | PPB   | 5.00                        | 10.00                   | 08/05/87             | NR              | 07/17/87<br>10/08/87   | 5.00   | 08/08/87<br>12/31/87 |  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/05/87             | 300000.00<br>NR | 07/17/87<br>10/08/87   | 22000.00<br>22700.00   | 08/08/87<br>12/31/87 | 20200.00<br>20500.00                   |
| FVANADI          | PPB   | 5.00                        |                         | 08/05/87             | 22.00<br>NR     | 07/17/87<br>10/08/87   | 13.00<br>17.00   | 08/08/87<br>12/31/87 | 24.00<br>23.00                         |
| FZINC            | PPB   | 5.00                        |                         | 08/05/87             | NR              | 07/17/87<br>10/08/87   | 11.00  | 08/08/87<br>12/31/87 | 0.00<br>13.00                          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |                      | NR              | 07/17/87<br>08/13/87<br>09/13/87<br>10/08/87<br>11/10/87<br>12/02/87 | 43900.00<br>44700.00<br>42600.00<br>42100.00<br>36900.00<br>32200.00 | 08/08/87             | 10700.00<br>NR<br>NR<br>NR<br>NR<br>NR |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/05/87             | 355.00<br>NR    | 07/17/87<br>10/08/87   | 475.00<br>480.00   | 08/08/87<br>12/31/87 | 595.00<br>600.00                       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/05/87             | 6690.00<br>NR   | 07/17/87<br>10/08/87   | 44300.00<br>42500.00   | 08/08/87<br>12/31/87 | 10500.00<br>10600.00                   |
| PH-LAB           |       | 0.01                        |                         | 08/05/87             | 7.75<br>NR      | 07/17/87<br>10/08/87   | 7.03<br>7.65   | 08/08/87<br>12/31/87 | 7.02<br>7.63                           |
| PHFIELD          |       | 0.10                        |                         | 08/05/87             | 8.20<br>NR      | 07/17/87<br>10/08/87   | 7.30<br>6.90   | 08/08/87<br>12/31/87 | 7.20<br>7.60                           |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 08/05/87<br>10/26/87 | NR<br>NR<br>NR  | 07/17/87<br>08/13/87<br>09/13/87<br>10/08/87<br>11/10/87             | 69.00 *<br>{ 42.10 }   |                      | NR<br>NR<br>NR<br>NR<br>NR             |

C.69

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E27-5              |         | 2-E28-21   |   | 2-E32-1              |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|---------|--|---|----------------------|--|
|                  |       |                             |                         |             | SAMPLE DATE          | 2-E27-5 | SAMPLE DATE  | 2-E28-21  | SAMPLE DATE          | 2-E32-1  |
| RU-100           | PCI/L | 172.50                      | 30.00                   |             |                      | NR      | 12/02/87   | 20.00<br>{ 25.90}   |                      | NR   |
| SULFATE          | PPB   | 500.00                      |                         | 08/05/87    | 33500.00<br>NR       |         | 07/17/87<br>10/00/87   | 117000.00<br>124000.00  | 08/06/87<br>12/31/87 | 33700.00<br>34200.00                               |
| TC               | PPB   |                             |                         | 08/05/87    | 22000.00<br>NR       |         | 07/17/87<br>10/00/87   | 29500.00<br>28900.00  | 08/06/87<br>12/31/87 | 22800.00<br>21900.00                               |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/05/87    | 3450.00<br>{ 293.00} |         | 07/17/87<br>08/13/87<br>09/13/87<br>10/00/87<br>11/10/87<br>12/02/87 | 6840.00<br>{ 1170.00}<br>7890.00<br>{ 400.00}<br>8380.00<br>{ 394.00}<br>9500.00<br>{ 424.00}<br>8060.00<br>{ 348.00}<br>8600.00<br>{ 402.00} | 08/06/87             | 7500.00<br>{ 330.00}<br>NR<br>NR<br>NR<br>NR<br>NR |
| U                | PCI/L | 0.50                        | 000.00                  | 08/05/87    | 1.30                 |         |  | NR  |                      | NR   |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR                   |         | 07/17/87   | 23.30<br>{ 0.43}  |                      | NR   |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR                   |         | 07/17/87   | 1.01<br>{ 0.09}   |                      | NR   |
| U 230            | PCI/L | 0.10                        | 4.00                    |             | NR                   |         | 07/17/87   | 23.20 *<br>{ 0.43}  |                      | NR   |
| U-CHEM           | UG/L  | 0.73                        |                         |             | NR                   |         | 07/17/87<br>08/13/87<br>09/13/87<br>10/00/87<br>11/10/87<br>12/02/87 | 84.00<br>50.40<br>61.00<br>52.60<br>44.20<br>40.00  |                      | NR<br>NR<br>NR<br>NR<br>NR<br>NR                   |

C.70

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                                  | SAMPLE DATE  |         | SAMPLE DATE                                  | SAMPLE DATE  |  |  |
|------------------|-------|-----------------------------|-------------------------|--|--|---------|--|--|--|--|
|                  |       |                             |                         |  | 2-E33-1A   | 2-E33-3 |  | 2-E33-3  | 2-E33-5                                      |  |
| ALKALIN          |       |                             |                         | 08/04/87<br>12/06/87                         | 99900.00 0<br>104000.00 0  |         | 08/06/87<br>12/06/87                         | 00300.00 0<br>99400.00 0   | 08/10/87<br>12/06/87                         | 97800.00 0<br>101000.00 0  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/04/87<br>12/06/87                         | 1.59<br>{ 1.10 }<br>1.06<br>{ 1.43 }   |         | 08/06/87<br>12/06/87                         | 1.24<br>{ 1.07 }<br>1.90<br>{ 1.32 }   | 08/10/87<br>12/06/87                         |  |
| BETA             | PCI/L | 6.00                        | 50.00                   | 08/04/87<br>08/04/87<br>12/06/87<br>12/06/87 | 120.00 +<br>{ 10.40 }<br>140.00 +<br>{ 7.81 }<br>73.40 +<br>{ 0.18 }<br>101.00 +<br>{ 0.74 } |         | 08/06/87<br>08/06/87<br>12/06/87<br>12/06/87 | 253.00 +<br>{ 14.70 }<br>430.00 +<br>{ 20.00 }<br>27.70<br>{ 5.50 }<br>29.90<br>{ 3.78 } | 08/10/87<br>08/10/87<br>12/06/87<br>12/06/87 | 245.00 +<br>{ 13.00 }<br>250.00 +<br>{ 10.70 }<br>109.00 +<br>{ 11.90 }<br>244.00 +<br>{ 10.50 } |
| CHLORID          | PPB   | 500.00                      |                         | 08/04/87<br>12/06/87                         | 3030.00<br>7470.00   |         | 08/06/87<br>12/06/87                         | 3530.00<br>3740.00   | 08/10/87<br>12/06/87                         | 5240.00<br>5600.00   |
| CD-80            | PCI/L | 22.50                       | 100.00                  | 08/04/87<br>12/06/87                         | 19.30<br>{ 9.08 }<br>5.83<br>{ 5.04 }  |         | 08/06/87<br>12/06/87                         | 24.10<br>{ 13.00 }<br>7.40<br>{ 5.84 }   | 08/10/87<br>12/06/87                         | 30.00<br>{ 13.10 }<br>13.90<br>{ 11.50 }   |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/04/87<br>12/06/87                         | 335.00<br>351.00   |         | 08/06/87<br>12/06/87                         | 350.00<br>303.00   | 08/10/87<br>12/06/87                         | 311.00<br>345.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/04/87<br>12/06/87                         |  |         | 08/06/87<br>12/06/87                         | 5.11<br>{ 3.62 }   | 08/10/87<br>12/06/87                         |  |
| CYANIDE          | PPB   | 10.00                       |                         | 08/04/87<br>12/06/87                         | 15.00  |         | 08/06/87<br>12/06/87                         | 30.70  | 08/10/87<br>12/06/87                         | 20.40<br>15.00   |
| FARSEMI          | PPB   | 5.00                        | 50.00                   | 08/04/87<br>12/06/87                         | 11.00<br>13.00   |         | 08/06/87<br>12/06/87                         | 12.00<br>13.00   | 08/10/87<br>12/06/87                         | 8.00<br>9.00   |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/04/87                                     | 19.00  |         | 08/06/87                                     | 19.00  | 08/10/87                                     | 37.00  |

C.71

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|----------|
|                  |       |                             |                         | 2-E33-1A    | 2-E33-3    | 2-E33-1A    | 2-E33-3    | 2-E33-5     |          |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 12/06/87    | 28.00      | 12/06/87    | 20.00      | 12/06/87    | 37.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 08/04/87    | 22400.00   | 08/06/87    | 25500.00   | 08/10/87    | 27300.00 |
|                  |       |                             |                         | 12/06/87    | 29300.00   | 12/06/87    | 29200.00   | 12/06/87    | 36000.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 08/04/87    | 11.00      | 08/06/87    | 10.00      | 08/10/87    |          |
|                  |       |                             |                         | 12/06/87    | 13.00      | 12/06/87    | 13.00      | 12/06/87    | 11.00    |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/04/87    |            | 08/06/87    | 781.00     | 08/10/87    |          |
|                  |       |                             |                         | 12/06/87    | 587.00     | 12/06/87    | 799.00     | 12/06/87    | 532.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/04/87    | 8070.00    | 08/06/87    | 8240.00    | 08/10/87    | 9460.00  |
|                  |       |                             |                         | 12/06/87    | 9070.00    | 12/06/87    | 8190.00    | 12/06/87    | 10800.00 |
| FPOTASS          | PPB   | 100.00                      |                         | 08/04/87    | 5070.00    | 08/06/87    | 5050.00    | 08/10/87    | 5070.00  |
|                  |       |                             |                         | 12/06/87    | 4760.00    | 12/06/87    | 4670.00    | 12/06/87    | 5200.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/04/87    | 35100.00   | 08/06/87    | 32900.00   | 08/10/87    | 23000.00 |
|                  |       |                             |                         | 12/06/87    | 32700.00   | 12/06/87    | 28800.00   | 12/06/87    | 21500.00 |
| FVANADI          | PPB   | 5.00                        |                         | 08/04/87    | 27.00      | 08/06/87    | 29.00      | 08/10/87    | 24.00    |
|                  |       |                             |                         | 12/06/87    | 24.00      | 12/06/87    | 30.00      | 12/06/87    | 23.00    |
| FZINC            | PPB   | 5.00                        |                         | 08/04/87    | 35.00      | 08/06/87    |            | 08/10/87    | 7.00     |
|                  |       |                             |                         | 12/06/87    |            | 12/06/87    |            | 12/06/87    | 6.00     |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/04/87    | 430.00     | 08/06/87    | 605.00     | 08/10/87    | 375.00   |
|                  |       |                             |                         | 12/06/87    | 460.00     | 12/06/87    | 805.00     | 12/06/87    | 430.00   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/04/87    | 54200.00 * | 08/06/87    | 68800.00 * | 08/10/87    | 37900.00 |
|                  |       |                             |                         | 12/06/87    | 14000.00   | 12/06/87    | 37800.00   | 12/06/87    | 34600.00 |
| PH-LAB           |       | 0.01                        |                         | 08/04/87    | 7.79       | 08/06/87    | 7.72       | 08/10/87    | 7.66     |
|                  |       |                             |                         | 12/06/87    | 8.00       | 12/06/87    | 8.10       | 12/06/87    | 8.01     |
| PHFIELD          |       | 0.10                        |                         | 08/04/87    | 7.60       | 08/06/87    | 7.50       | 08/10/87    | 7.10     |
|                  |       |                             |                         | 12/06/87    | 7.60       | 12/06/87    | 7.50       | 12/06/87    | 7.30     |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/04/87    |            | 08/06/87    |            | 08/10/87    |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.72

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-E33-1A                 | SAMPLE DATE          | 2-E33-3                                       | SAMPLE DATE          | 2-E33-5                     |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------------|----------------------|---|----------------------|-----------------------------|
| SR 90            | PCI/L | 5.00                        | 8.00                    | 12/06/87             |                          |                      | NR  | 12/08/87             | 0.83<br>{ 0.76 }            |
| SULFATE          | PPB   | 500.00                      |                         | 08/04/87<br>12/06/87 | 33700.00<br>41800.00     | 08/06/87<br>12/06/87 | 34400.00<br>33500.00                          | 08/10/87<br>12/06/87 | 41000.00<br>40000.00        |
| TC               | PPB   |                             |                         | 08/04/87<br>12/06/87 | 22800.00 0<br>23400.00 0 | 08/06/87<br>12/06/87 | 22500.00 0<br>22000.00 0                      | 08/10/87<br>12/06/87 | 22000.00 0<br>23500.00 0    |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 08/04/87             | 964.00 *<br>{ 5.95 }     | 08/06/87             | 1400.00 *<br>{ 6.35 }                         | 08/10/87             | 1080.00 *<br>{ 12.10 }      |
| TDC              | PPB   | 1000.00                     |                         | 08/04/87<br>12/06/87 |                          | 08/06/87<br>12/06/87 |   | 08/10/87<br>12/06/87 | 1430.00                     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/04/87             | 1850.00<br>{ 213.00 }    | 08/06/87<br>12/06/87 | 850.00<br>{ 191.00 }<br>1600.00<br>{ 250.00 } | 08/10/87             | 2480.00<br>{ 270.00 }<br>NR |
| U                | PCI/L | 6.50                        | 500.00                  | 08/04/87             | 1.20<br>NR               | 08/06/87<br>08/06/87 | 1.17<br>1.73                                  | 08/10/87             | 1.17<br>NR                  |

C.73

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-8          | SAMPLE DATE | 2-E33-10         | SAMPLE DATE | 2-E33-18         |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|
|                  |       |                             |                         | -----       | -----            | -----       | -----            | -----       | -----            |
| ALKALIN          |       |                             |                         | 08/04/87    | 104000.00 0      | 08/04/87    | 50300.00 0       | 08/04/87    | 90000.00 0       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/04/87    | { 2.30<br>1.25 } | 08/04/87    | { 1.33<br>1.00 } | 08/04/87    | { 1.50<br>1.04 } |
| BETA             | PCI/L | 0.00                        | 50.00                   | 08/04/87    | 30.00            | 08/04/87    | 22.00            | 08/04/87    | 14.50            |
|                  |       |                             |                         |             | { 4.42 }         |             | { 5.13 }         |             | { 4.32 }         |
|                  |       |                             |                         | 08/04/87    | 01.90 *          | 08/04/87    | 10.00            | 08/04/87    | 10.00            |
|                  |       |                             |                         |             | { 5.24 }         |             | { 2.94 }         |             | { 2.35 }         |
|                  |       |                             |                         | 10/20/87    | 57.20 *          | 10/20/87    | 27.70            | 10/20/87    | 10.00            |
|                  |       |                             |                         |             | { 5.04 }         |             | { 3.57 }         |             | { 2.33 }         |
| CHLORID          | PPB   | 500.00                      |                         | 08/04/87    | 4710.00          | 08/04/87    | 7780.00          | 08/04/87    | 3500.00          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/04/87    | 234.00           | 08/04/87    | 232.00           | 08/04/87    | 277.00           |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/04/87    | { 5.51<br>3.90 } | 08/04/87    |                  | 08/04/87    |                  |
|                  |       |                             |                         | 10/20/87    |                  | 10/20/87    |                  | 10/20/87    |                  |
| FARSEMI          | PPB   | 5.00                        | 50.00                   | 08/04/87    | 7.00             |             | NR               | 08/04/87    | 5.00             |
| FBARIUM          | PPB   | 5.00                        | 1000.00                 | 08/04/87    | 27.00            |             | NR               | 08/04/87    | 12.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 08/04/87    | 25900.00         |             | NR               | 08/04/87    | 0000.00          |
| FMAGNES          | PPB   | 0.00                        |                         | 08/04/87    | 9530.00          |             | NR               | 08/04/87    | 7590.00          |
| FPOTASS          | PPB   | 100.00                      |                         | 08/04/87    | 5300.00          |             | NR               | 08/04/87    | 4700.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 08/04/87    | 12000.00         |             | NR               | 08/04/87    | 291000.00        |
| FVANADI          | PPB   | 5.00                        |                         | 08/04/87    | 22.00            |             | NR               | 08/04/87    | 21.00            |
| FZINC            | PPB   | 5.00                        |                         | 08/04/87    | 0.00             |             | NR               | 08/04/87    | 0.00             |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR               | 08/04/87    | 0320.00          |             | NR               |
|                  |       |                             |                         |             | NR               | 10/20/87    | 5730.00          |             | NR               |

C.74

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

C.75

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-E33-8              |                             | 2-E33-10             |  | SAMPLE DATE          | 2-E33-18                    |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|-----------------------------|----------------------|--|----------------------|-----------------------------|
|                  |       |                             |                         |                      | SAMPLE DATE          | 2-E33-8                     | SAMPLE DATE          | 2-E33-10                                       |                      |                             |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/04/87             | 08/04/87             | 320.00                      | 08/04/87             | 400.00   | 08/04/87             | 335.00                      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/04/87             | 08/04/87             | 8800.00                     | 08/04/87             | 5820.00  | 08/04/87             | 15700.00                    |
| PH-LAB           |       | 0.01                        |                         | 08/04/87             | 08/04/87             | 7.71                        | 08/04/87             | 7.76   | 08/04/87             | 7.94                        |
| PHFIELD          |       | 0.10                        |                         | 08/04/87             | 08/04/87             | 7.20                        | 08/04/87             | 7.30   | 08/04/87             | 7.50                        |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/04/87<br>10/20/87 | 08/04/87<br>10/20/87 | 59.90 *<br>{ 54.30 }        | 08/04/87<br>10/20/87 |  | 08/04/87<br>10/20/87 |                             |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/04/87<br>10/20/87 | 08/04/87<br>10/20/87 |                             | 08/04/87<br>NR       |  | 08/04/87<br>NR       | 2.41<br>{ 0.98 }            |
| SULFATE          | PPB   | 500.00                      |                         | 08/04/87             | 08/04/87             | 20000.00                    | 08/04/87             | 27000.00                                       | 08/04/87             | 30300.00                    |
| TC               | PPB   |                             |                         | 08/04/87             | 08/04/87             | 24000.00 0                  | 08/04/87             | 22300.00 0                                     | 08/04/87             | 22100.00 0                  |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 08/04/87             | 08/04/87             | 192.00<br>{ 2.91 }          |                      | NR   |                      | NR                          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/04/87             | 08/04/87<br>10/20/87 | 4500.00<br>{ 278.00 }<br>NR | 08/04/87<br>10/20/87 | 3040.00<br>{ 246.00 }<br>4380.00<br>{ 269.00 } | 08/04/87             | 1910.00<br>{ 220.00 }<br>NR |
| U                | PCI/L | 0.50                        | 800.00                  | 08/04/87             | 08/04/87             | 1.40                        | 08/04/87             | 1.42   | 08/04/87             | 1.34                        |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-21    | SAMPLE DATE | 2-E33-24   | SAMPLE DATE | 2-E34-1    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----      | -----       | -----      |
| ALKALIN          |       |                             |                         | 08/08/87    | 102000.00 0 | 08/08/87    | 98400.00 0 | 07/21/87    | 92200.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/08/87    |             | 08/08/87    | 1.51       | 07/21/87    |            |
|                  |       |                             |                         |             |             |             | { 1.11}    |             |            |
|                  |       |                             |                         |             | NR          |             | NR         | 07/21/87    | 1.02       |
|                  |       |                             |                         |             | NR          |             | NR         | 08/13/87    | { 0.03}    |
|                  |       |                             |                         |             | NR          |             | NR         | 09/16/87    | 1.43       |
|                  |       |                             |                         |             | NR          |             | NR         | 10/07/87    | { 0.55}    |
|                  |       |                             |                         |             | NR          |             | NR         | 11/10/87    | 2.15       |
|                  |       |                             |                         |             | NR          |             | NR         | 12/03/87    | { 0.03}    |
|                  |       |                             |                         |             |             |             |            |             | 2.00       |
|                  |       |                             |                         |             |             |             |            |             | { 0.72}    |
|                  |       |                             |                         |             |             |             |            |             | 2.09       |
|                  |       |                             |                         |             |             |             |            |             | { 0.05}    |
|                  |       |                             |                         |             |             |             |            |             | 2.72       |
|                  |       |                             |                         |             |             |             |            |             | { 0.70}    |
| AMMONIU          | PPB   | 50.00                       |                         | 08/08/87    | 54.00       | 08/08/87    |            | 07/21/87    |            |
| BETA             | PCI/L | 0.00                        | 50.00                   | 08/08/87    | 11.00       | 08/08/87    | 207.00 *   | 07/21/87    | 18.10      |
|                  |       |                             |                         |             | { 4.24}     |             | { 14.00}   |             | { 5.09}    |
|                  |       |                             |                         | 08/08/87    | 10.20       | 08/08/87    | 349.00 *   | 07/21/87    | 11.00      |
|                  |       |                             |                         |             | { 2.28}     |             | { 12.20}   |             | { 2.50}    |
|                  |       |                             |                         | 12/01/87    | 12.70       | 10/20/87    | 235.00 *   | 08/13/87    | 0.70       |
|                  |       |                             |                         |             | { 2.55}     |             | { 10.20}   |             | { 2.41}    |
|                  |       |                             |                         |             | NR          |             | NR         | 09/16/87    | 0.01       |
|                  |       |                             |                         |             | NR          |             | NR         | 10/07/87    | { 2.25}    |
|                  |       |                             |                         |             | NR          |             | NR         | 11/10/87    | 0.02       |
|                  |       |                             |                         |             | NR          |             | NR         | 12/03/87    | { 2.32}    |
|                  |       |                             |                         |             |             |             |            |             | 9.21       |
|                  |       |                             |                         |             |             |             |            |             | { 2.00}    |
|                  |       |                             |                         |             |             |             |            |             | 7.01       |
|                  |       |                             |                         |             |             |             |            |             | { 2.23}    |
| CHLORID          | PPB   | 500.00                      |                         | 08/08/87    | 5050.00     | 08/08/87    | 4000.00    | 07/21/87    | 17200.00   |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/08/87    |             | 08/08/87    |            | 07/21/87    |            |
|                  |       |                             |                         | 12/01/87    |             | 10/20/87    | 0.07       | 08/13/87    | 5.05       |
|                  |       |                             |                         |             |             |             | { 5.43}    |             | { 5.05}    |

C.76

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-21 | SAMPLE DATE | 2-E33-24 | SAMPLE DATE | 2-E34-1  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| CO-66            | PCI/L | 22.56                       | 100.00                  |             | NR       |             | NR       | 09/15/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 10/07/87    | { 8.83   |
|                  |       |                             |                         |             | NR       |             | NR       | 11/10/87    | { 5.57}  |
|                  |       |                             |                         |             | NR       |             | NR       | 12/03/87    |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/06/87    | 243.00   | 08/06/87    | 200.00   | 07/21/87    | 540.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/06/87    |          | 08/06/87    |          | 07/21/87    |          |
|                  |       |                             |                         | 12/01/87    |          | 10/28/87    |          | 08/13/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/15/87    | { 4.82   |
|                  |       |                             |                         |             | NR       |             | NR       | 10/07/87    | { 3.04}  |
|                  |       |                             |                         |             | NR       |             | NR       | 11/10/87    | { 9.90   |
|                  |       |                             |                         |             | NR       |             | NR       | 12/03/87    | { 5.32}  |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/06/87    | 5.00     | 08/06/87    | 5.00     | 07/21/87    |          |
| FBARIUM          | PPB   | 5.00                        | 1000.00                 | 08/06/87    | 37.00    | 08/06/87    | 32.00    | 07/21/87    | 36.00    |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/06/87    | 2.00     | 08/06/87    | 2.00     | 07/21/87    |          |
| FCALCIU          | PPB   | 50.00                       |                         | 08/06/87    | 23500.00 | 08/06/87    | 25000.00 | 07/21/87    | 58100.00 |
| FIRON            | PPB   | 50.00                       |                         | 08/06/87    |          | 08/06/87    |          | 07/21/87    | 110.00   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/06/87    |          | 08/06/87    |          | 07/21/87    | 602.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/06/87    | 8510.00  | 08/06/87    | 8940.00  | 07/21/87    | 17200.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 08/06/87    |          | 08/06/87    |          | 07/21/87    | 12.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 08/06/87    | 5170.00  | 08/06/87    | 5060.00  | 07/21/87    | 8010.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/06/87    | 12100.00 | 08/06/87    | 15400.00 | 07/21/87    | 24900.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 08/06/87    |          | 08/06/87    |          | 07/21/87    | 305.00   |
| FVANADI          | PPB   | 5.00                        |                         | 08/06/87    | 22.00    | 08/06/87    | 24.00    | 07/21/87    | 13.00    |

C.77

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-21   | SAMPLE DATE | 2-E33-24   | SAMPLE DATE | 2-E34-1    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
| FZINC            | PPB   | 5.00                        |                         | 08/06/87    |            | 08/06/87    |            | 07/21/87    | 17.00      |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/06/87    | 350.00     | 08/06/87    | 375.00     | 07/21/87    | 470.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/06/87    | 3940.00    | 08/06/87    | 18100.00   | 07/21/87    | 19400.00   |
| PH-LAB           |       | 0.01                        |                         | 08/06/87    | 7.02       | 08/06/87    | 7.74       | 07/21/87    | 7.00       |
| PHFIELD          |       | 0.10                        |                         | 08/06/87    | 7.50       | 08/06/87    | 7.50       | 07/21/87    | 7.00       |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 08/06/87    |            | 08/06/87    |            | 07/21/87    | 72.10 *    |
|                  |       |                             |                         | 12/01/87    |            | 10/20/87    |            | 08/13/87    | { 40.00 }  |
|                  |       |                             |                         |             | NR         |             |            | 09/15/87    | 41.00 *    |
|                  |       |                             |                         |             | NR         |             |            |             | { 31.00 }  |
|                  |       |                             |                         |             | NR         |             |            | 10/07/87    |            |
|                  |       |                             |                         |             | NR         |             |            | 11/10/87    |            |
|                  |       |                             |                         |             | NR         |             |            | 12/03/87    |            |
| SR 90            | PCI/L | 5.00                        | 0.00                    | 08/06/87    |            | 08/06/87    | 0.94       |             | NR         |
|                  |       |                             |                         |             | NR         | 10/20/87    | { 0.00 }   |             | NR         |
| SULFATE          | PPB   | 500.00                      |                         | 08/06/87    | 22000.00   | 08/06/87    | 33400.00   | 07/21/87    | 205000.00  |
| TC               | PPB   |                             |                         | 08/06/87    | 23000.00 0 | 08/06/87    | 23100.00 0 | 07/21/87    | 22400.00 0 |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         | 08/06/87    | 1500.00 *  |             | NR         |
|                  |       |                             |                         |             |            |             | { 6.00 }   |             |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/06/87    | 3770.00    | 08/06/87    | 17000.00   | 07/21/87    | 1020.00    |
|                  |       |                             |                         |             | { 301.00 } |             | { 535.00 } |             | { 222.00 } |
|                  |       |                             |                         |             | NR         |             | NR         | 08/13/87    | 950.00     |
|                  |       |                             |                         |             | NR         |             | NR         | 09/15/87    | { 194.00 } |
|                  |       |                             |                         |             | NR         |             | NR         |             | 1000.00    |
|                  |       |                             |                         |             | NR         |             | NR         | 10/07/87    | { 230.00 } |
|                  |       |                             |                         |             |            |             |            |             | 11300.00   |
|                  |       |                             |                         |             |            |             |            |             | { 441.00 } |

C.78

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-E33-21 | SAMPLE<br>DATE | 2-E33-24 | SAMPLE<br>DATE | 2-E34-1     |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|-------------|
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      |                | NR       |                | NR       | 11/10/87       | 1120.00     |
|                     |       |                                   |                               |                | NR       |                | NR       | 12/03/87       | { 233.00 }  |
|                     |       |                                   |                               |                |          |                |          |                | { 1340.00 } |
|                     |       |                                   |                               |                |          |                |          |                | { 240.00 }  |
| U                   | PCI/L | 0.50                              | 600.00                        | 08/06/87       | 1.37     | 08/06/87       | 1.54     |                | NR          |

C.79

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W10-4     |             | 2-W10-8     |             | 2-W10-9     |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE       |
| ALKALIN          |       |                             |                         | 07/22/87    | 157000.00 0 | 08/19/87    | 135000.00 0 | 08/19/87    | 170000.00 0 |
|                  |       |                             |                         | 12/06/87    | 104000.00 0 | 12/06/87    | 135000.00 0 | 12/06/87    | 170000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/22/87    | 2.38        | 08/19/87    |             | 08/19/87    |             |
|                  |       |                             |                         | 12/06/87    | { 1.93}     | 08/19/87    | 1.52        | 08/19/87    | 1.50        |
|                  |       |                             |                         |             | NR          | 12/06/87    | { 0.56}     | 12/06/87    | { 0.59}     |
|                  |       |                             |                         |             | NR          | 12/06/87    | { 1.19}     | 12/06/87    | { 5.21}     |
|                  |       |                             |                         |             | NR          | 12/06/87    | { 1.16}     | 12/06/87    | { 3.40}     |
|                  |       |                             |                         |             |             | 12/06/87    | { 1.73}     | 12/06/87    | { 2.57}     |
|                  |       |                             |                         |             |             | 12/06/87    | { 0.59}     | 12/06/87    | { 0.71}     |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/22/87    | 51.00 +     | 08/19/87    | 4.01        | 08/19/87    | 53.20 +     |
|                  |       |                             |                         |             | { 7.04}     | 08/19/87    | { 3.60}     | 08/19/87    | { 7.95}     |
|                  |       |                             |                         | 07/22/87    | 61.00 +     | 08/19/87    | 11.30       | 08/19/87    | 50.70 +     |
|                  |       |                             |                         |             | { 5.66}     | 12/06/87    | { 4.47}     | 12/06/87    | { 5.42}     |
|                  |       |                             |                         | 12/06/87    | 54.00 +     | 12/06/87    | 4.29        | 12/06/87    | 51.30 +     |
|                  |       |                             |                         |             | { 7.73}     | 12/06/87    | { 3.46}     | 12/06/87    | { 7.80}     |
|                  |       |                             |                         | 12/06/87    | 60.20 +     | 12/06/87    | 4.88        | 12/06/87    | 50.40 +     |
|                  |       |                             |                         |             | { 5.74}     | 12/06/87    | { 1.86}     | 12/06/87    | { 5.51}     |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/22/87    | 19.00       | 08/19/87    |             | 08/19/87    | 24.00       |
|                  |       |                             |                         | 12/06/87    | 18.00       | 12/06/87    |             | 12/06/87    | 14.00       |
| CHLORID          | PPB   | 500.00                      |                         | 07/22/87    | 17700.00    | 08/19/87    | 4390.00     | 08/19/87    | 19900.00    |
|                  |       |                             |                         | 12/06/87    | 16900.00    | 12/06/87    | 3870.00     | 12/06/87    | 19500.00    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/22/87    | 15.90       | 08/19/87    |             | 08/19/87    |             |
|                  |       |                             |                         |             | { 8.82}     | 12/06/87    |             | 12/06/87    | 13.00       |
|                  |       |                             |                         |             | NR          | 12/06/87    |             | 12/06/87    | { 7.85}     |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/22/87    | 753.00      | 08/19/87    | 342.00      | 08/19/87    | 1050.00     |
|                  |       |                             |                         | 12/06/87    | 752.00      | 12/06/87    | 314.00      | 12/06/87    | 1073.00     |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/22/87    | 7.00        | 08/19/87    |             | 08/19/87    | 10.00       |
|                  |       |                             |                         | 12/06/87    | 8.00        | 12/06/87    | 5.00        | 12/06/87    | 17.00       |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/22/87    | 22.00       | 08/19/87    | 34.00       | 08/19/87    | 59.00       |

C.80

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE |          |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------|-------------|
|                  |       |                             |                         |             | 2-W10-4     | 2-W10-8  | 2-W10-8     | 2-W10-9  |             |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 12/06/87    | 34.00       | 12/06/87 | 28.00       | 12/06/87 | 50.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/22/87    | 10400.00    | 08/19/87 | 20200.00    | 08/19/87 | 33000.00    |
|                  |       |                             |                         | 12/06/87    | 24600.00    | 12/06/87 | 33400.00    | 12/06/87 | 46300.00    |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/22/87    | 69.00 *     | 08/19/87 |             | 08/19/87 | 136.00 *    |
|                  |       |                             |                         | 12/06/87    | 68.00 *     | 12/06/87 |             | 12/06/87 | 152.00 *    |
| FIRON            | PPB   | 50.00                       |                         | 07/22/87    |             | 08/19/87 | 59.00       | 08/19/87 |             |
|                  |       |                             |                         | 12/06/87    |             | 12/06/87 |             | 12/06/87 |             |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/22/87    | 3510.00     | 08/19/87 |             | 08/19/87 | 4070.00 *   |
|                  |       |                             |                         | 12/06/87    | 3420.00     | 12/06/87 | 1120.00     | 12/06/87 | 5360.00 *   |
| FMAGNES          | PPB   | 0.00                        |                         | 07/22/87    | 7040.00     | 08/19/87 | 11600.00    | 08/19/87 | 13900.00    |
|                  |       |                             |                         | 12/06/87    | 7590.00     | 12/06/87 | 11400.00    | 12/06/87 | 15900.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 07/22/87    | 2400.00     | 08/19/87 | 3600.00     | 08/19/87 | 4500.00     |
|                  |       |                             |                         | 12/06/87    | 2850.00     | 12/06/87 | 3020.00     | 12/06/87 | 5000.00     |
| FSODIUM          | PPB   | 100.00                      |                         | 07/22/87    | 386000.00   | 08/19/87 | 10500.00    | 08/19/87 | 167000.00   |
|                  |       |                             |                         | 12/06/87    | 144000.00   | 12/06/87 | 24300.00    | 12/06/87 | 185000.00   |
| FVANADI          | PPB   | 5.00                        |                         | 07/22/87    | 51.00       | 08/19/87 | 29.00       | 08/19/87 | 56.00       |
|                  |       |                             |                         | 12/06/87    | 53.00       | 12/06/87 | 41.00       | 12/06/87 | 65.00       |
| FZINC            | PPB   | 5.00                        |                         | 07/22/87    |             | 08/19/87 |             | 08/19/87 |             |
|                  |       |                             |                         | 12/06/87    |             | 12/06/87 | 27.00       | 12/06/87 | 6.00        |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR          | 08/19/87 |             | 08/19/87 | 381000.00 * |
|                  |       |                             |                         |             | NR          | 12/06/87 |             | 12/06/87 | 377000.00 * |
| LFLUORD          | PPB   | 25.00                       | 4000.00                 | 07/22/87    | 2900.00     | 08/19/87 | 500.00      | 08/19/87 | 4700.00 *   |
|                  |       |                             |                         | 12/06/87    | 3150.00     | 12/06/87 | 1200.00     | 12/06/87 | 4900.00 *   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/22/87    | 217000.00 * | 08/19/87 | 2000.00     | 08/19/87 | 378000.00 * |
|                  |       |                             |                         | 12/06/87    | 180000.00 * | 12/06/87 | 1820.00     | 12/06/87 | 381000.00 * |
| PH-LAB           |       | 0.01                        |                         | 07/22/87    | 7.95        | 08/19/87 | 7.03        | 08/19/87 | 7.81        |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.

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0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON

NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED

VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES

WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

C.82

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                           | SAMPLE DATE |                       | SAMPLE DATE |                          |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------------|-------------|-----------------------|-------------|--------------------------|
|                  |       |                             |                         | 2-W10-4     | 2-W10-8                   | 2-W10-8     | 2-W10-9               |             |                          |
| PH-LAB           |       | 0.01                        |                         | 12/06/87    | 8.00                      | 12/06/87    | 8.16                  | 12/06/87    | 8.04                     |
| PHFIELD          |       | 0.10                        |                         | 07/22/87    | 7.10                      | 08/19/87    | 8.30                  | 08/19/87    | 8.10                     |
|                  |       |                             |                         | 12/06/87    | 5.70                      | 12/06/87    | 5.80                  | 12/06/87    | 5.70                     |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/22/87    |                           | 08/19/87    |                       | 08/19/87    | 55.30 *                  |
|                  |       |                             |                         |             | NR                        | 12/06/87    |                       | 12/06/87    | { 50.10 }                |
| SULFATE          | PPB   | 500.00                      |                         | 07/22/87    | 53200.00                  | 08/19/87    | 39200.00              | 08/19/87    | 59300.00                 |
|                  |       |                             |                         | 12/06/87    | 63600.00                  | 12/06/87    | 39000.00              | 12/06/87    | 57500.00                 |
| TC               | PPB   |                             |                         | 07/22/87    | 37000.00 0                | 08/19/87    | 31500.00 0            | 08/19/87    | 38700.00 0               |
|                  |       |                             |                         | 12/06/87    | 36400.00 0                | 12/06/87    | 30100.00 0            | 12/06/87    | 38300.00 0               |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 07/22/87    | 277.00<br>{ 2.90 }        | 08/19/87    |                       |             | NR                       |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 07/22/87    | 1200.00 *                 | 08/19/87    | 13.00 *               | 08/19/87    | 1450.00 *                |
|                  |       |                             |                         | 12/06/87    | 2310.00 *                 | 12/06/87    | 12.00 *               | 12/06/87    | 1220.00 *                |
| TDC              | PPB   | 1000.00                     |                         | 07/22/87    | 1700.00                   | 08/19/87    |                       | 08/19/87    |                          |
|                  |       |                             |                         | 12/06/87    |                           | 12/06/87    |                       | 12/06/87    |                          |
| TOXLDL           | PPB   | 20.00                       |                         | 07/22/87    | 250.00                    | 08/19/87    | 20.20                 | 08/19/87    | 1200.00                  |
|                  |       |                             |                         | 12/06/87    | 1390.00                   | 12/06/87    |                       | 12/06/87    | 920.00                   |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 07/22/87    | 30.40 *                   | 08/19/87    |                       | 08/19/87    | 10.00 *                  |
|                  |       |                             |                         | 12/06/87    | 29.00 *                   | 12/06/87    |                       | 12/06/87    | 19.00 *                  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/22/87    | 96700.00 *<br>{ 1100.00 } | 08/19/87    | 3750.00<br>{ 261.00 } | 08/19/87    | 70000.00 *<br>{ 805.00 } |
|                  |       |                             |                         |             |                           |             |                       |             |                          |
| U                | PCI/L | 0.50                        | 000.00                  | 07/22/87    | 0.65                      | 08/19/87    | 1.20                  | 08/19/87    | 2.10                     |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W14-2     |  | SAMPLE DATE | 2-W14-6     |          |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|--|-------------|-------------|----------|-------------|
|                  |       |                             |                         |             |             |  |             |             |          |             |
| ALKALIN          |       |                             |                         | 08/21/87    | 128000.00 0 |  | 07/22/87    | 134000.00 0 | 08/21/87 | 125000.00 0 |
|                  |       |                             |                         | 12/06/87    | 125000.00 0 |  | 12/06/87    | 129000.00 0 | 12/16/87 | 120000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/21/87    | 1.96        |  | 07/22/87    | 6.31        | 08/21/87 |             |
|                  |       |                             |                         |             | { 1.58 }    |  |             | { 2.77 }    |          |             |
|                  |       |                             |                         | 08/21/87    | 1.13        |  | 12/06/87    | 6.84        | 12/16/87 | 2.74        |
|                  |       |                             |                         |             | { 0.50 }    |  |             | { 3.16 }    |          | { 1.73 }    |
|                  |       |                             |                         | 12/06/87    | 8.92        |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 2.19 }    |  |             |             |          |             |
|                  |       |                             |                         | 12/06/87    | 2.77        |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 1.74 }    |  |             |             |          |             |
|                  |       |                             |                         | 12/06/87    | 5.87        |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 2.26 }    |  |             |             |          |             |
|                  |       |                             |                         | 12/06/87    | 1.42        |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 0.53 }    |  |             |             |          |             |
| AMMONIU          | PPB   | 50.00                       |                         | 08/21/87    |             |  | 07/22/87    |             | 08/21/87 |             |
|                  |       |                             |                         | 12/06/87    |             |  | 12/06/87    | 110.00      | 12/16/87 |             |
|                  |       |                             |                         | 12/06/87    |             |  |             | NR          |          | NR          |
|                  |       |                             |                         | 12/06/87    |             |  |             | NR          |          | NR          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/21/87    | 83.80 +     |  | 07/22/87    | 31.30       | 08/21/87 | 13.00       |
|                  |       |                             |                         |             | { 9.57 }    |  |             | { 6.24 }    |          | { 4.75 }    |
|                  |       |                             |                         | 08/21/87    | 60.10 +     |  | 07/22/87    | 23.40       | 08/21/87 | 10.00       |
|                  |       |                             |                         |             | { 5.64 }    |  |             | { 8.58 }    |          | { 2.50 }    |
|                  |       |                             |                         | 12/06/87    | 89.90 +     |  | 12/06/87    | 29.60       | 12/16/87 | 6.85        |
|                  |       |                             |                         |             | { 9.83 }    |  |             | { 6.11 }    |          | { 4.05 }    |
|                  |       |                             |                         | 12/06/87    | 82.90 +     |  | 12/06/87    | 24.60       | 12/16/87 | 10.10       |
|                  |       |                             |                         |             | { 9.34 }    |  |             | { 3.61 }    |          | { 2.38 }    |
|                  |       |                             |                         | 12/06/87    | 105.00 +    |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 10.30 }   |  |             |             |          |             |
|                  |       |                             |                         | 12/06/87    | 53.70 +     |  |             | NR          |          | NR          |
|                  |       |                             |                         |             | { 5.33 }    |  |             |             |          |             |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/21/87    | 12.00       |  | 07/22/87    |             | 08/21/87 |             |
|                  |       |                             |                         | 12/06/87    |             |  | 12/06/87    |             | 12/16/87 |             |
|                  |       |                             |                         | 12/06/87    |             |  |             | NR          |          | NR          |
|                  |       |                             |                         | 12/06/87    |             |  |             | NR          |          | NR          |

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 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.83

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W14-2     |                  | 2-W14-5     |          | 2-W14-6     |          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | VALUE            | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| CHLORID          | PPB   | 500.00                      |                         | 08/21/87    | 52800.00         | 07/22/87    | 54500.00 | 08/21/87    | 51500.00 |
|                  |       |                             |                         | 12/06/87    | 47800.00         | 12/06/87    | 46200.00 | 12/16/87    | 43100.00 |
|                  |       |                             |                         | 12/06/87    | 46800.00         |             | NR       |             | NR       |
|                  |       |                             |                         | 12/06/87    | 46500.00         |             | NR       |             | NR       |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/21/87    |                  | 07/22/87    |          | 08/21/87    | 7.04     |
|                  |       |                             |                         | 12/06/87    |                  |             | NR       |             | { 6.30 } |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/21/87    | 597.00           | 07/22/87    | 611.00   | 08/21/87    | 567.00   |
|                  |       |                             |                         | 12/06/87    | 577.00           | 12/06/87    | 482.00   | 12/16/87    | 503.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/21/87    |                  | 07/22/87    | 8.55     | 08/21/87    |          |
|                  |       |                             |                         | 12/06/87    | { 6.35<br>4.02 } |             | { 5.40 } |             | NR       |
| CYANIDE          | PPB   | 10.00                       |                         | 08/21/87    | 62.00            | 07/22/87    |          | 08/21/87    |          |
|                  |       |                             |                         | 12/06/87    | 115.00           | 12/06/87    |          | 12/16/87    |          |
| FALUMIN          | PPB   | 150.00                      |                         | 08/21/87    |                  | 07/22/87    | 153.00   | 08/21/87    |          |
|                  |       |                             |                         | 12/06/87    |                  | 12/06/87    | 106.00   | 12/16/87    |          |
|                  |       |                             |                         | 12/06/87    | 516.00           |             | NR       |             | NR       |
|                  |       |                             |                         | 12/06/87    |                  |             | NR       |             | NR       |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/21/87    | 84.00            | 07/22/87    | 43.00    | 08/21/87    | 52.00    |
|                  |       |                             |                         | 12/06/87    | 90.00            | 12/06/87    | 36.00    | 12/16/87    | 49.00    |
|                  |       |                             |                         | 12/06/87    | 102.00           |             | NR       |             | NR       |
|                  |       |                             |                         | 12/06/87    | 88.00            |             | NR       |             | NR       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/21/87    |                  | 07/22/87    | 6.00     | 08/21/87    |          |
|                  |       |                             |                         | 12/06/87    |                  | 12/06/87    |          | 12/16/87    |          |
|                  |       |                             |                         | 12/06/87    |                  |             | NR       |             | NR       |
|                  |       |                             |                         | 12/06/87    |                  |             | NR       |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/21/87    | 53800.00         | 07/22/87    | 25400.00 | 08/21/87    | 34100.00 |
|                  |       |                             |                         | 12/06/87    | 66700.00         | 12/06/87    | 22300.00 | 12/16/87    | 40200.00 |
|                  |       |                             |                         | 12/06/87    | 64900.00         |             | NR       |             | NR       |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.84

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |          | SAMPLE DATE |           | SAMPLE DATE |           |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|----------|-------------|-----------|-------------|-----------|
|                     |       |                                   |                               | 2-W14-2     |          | 2-W14-5     |           | 2-W14-6     |           |
| FCALCIU             | PPB   | 50.00                             |                               | 12/06/87    | 67000.00 |             | NR        |             | NR        |
| FCHROMI             | PPB   | 10.00                             | 50.00                         | 08/21/87    |          | 07/22/87    |           | 08/21/87    |           |
|                     |       |                                   |                               | 12/06/87    | 22.00    | 12/06/87    |           | 12/16/87    |           |
|                     |       |                                   |                               | 12/06/87    | 71.00 *  |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    |          |             | NR        |             | NR        |
| FIRON               | PPB   | 50.00                             |                               | 08/21/87    |          | 07/22/87    | 1000.00   | 08/21/87    |           |
|                     |       |                                   |                               | 12/06/87    | 847.00   | 12/06/87    | 1670.00   | 12/16/87    | 384.00    |
|                     |       |                                   |                               | 12/06/87    | 3830.00  |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    |          |             | NR        |             | NR        |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 08/21/87    | 982.00   | 07/22/87    | 3140.00   | 08/21/87    | 4100.00 * |
|                     |       |                                   |                               | 12/06/87    | 1090.00  | 12/06/87    | 3540.00   | 12/16/87    | 3410.00   |
|                     |       |                                   |                               | 12/06/87    | 1000.00  |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    | 1110.00  |             | NR        |             | NR        |
| FMAGNES             | PPB   | 0.00                              |                               | 08/21/87    | 21500.00 | 07/22/87    | 8510.00   | 08/21/87    | 13700.00  |
|                     |       |                                   |                               | 12/06/87    | 24400.00 | 12/06/87    | 7710.00   | 12/16/87    | 18400.00  |
|                     |       |                                   |                               | 12/06/87    | 23700.00 |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    | 24300.00 |             | NR        |             | NR        |
| FMANGAN             | PPB   | 5.00                              |                               | 08/21/87    |          | 07/22/87    | 17.00     | 08/21/87    |           |
|                     |       |                                   |                               | 12/06/87    | 16.00    | 12/06/87    | 17.00     | 12/16/87    | 9.00      |
|                     |       |                                   |                               | 12/06/87    | 33.00    |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    | 12.00    |             | NR        |             | NR        |
| FMERCUR             | PPB   | 0.10                              | 2.00                          | 08/21/87    |          | 07/22/87    |           | 08/21/87    |           |
|                     |       |                                   |                               | 12/06/87    | 0.11     | 12/06/87    |           | 12/16/87    |           |
| FPOTASS             | PPB   | 100.00                            |                               | 08/21/87    | 5250.00  | 07/22/87    | 3790.00   | 08/21/87    | 5050.00   |
|                     |       |                                   |                               | 12/06/87    | 5250.00  | 12/06/87    | 4130.00   | 12/16/87    | 4000.00   |
|                     |       |                                   |                               | 12/06/87    | 5040.00  |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    | 5190.00  |             | NR        |             | NR        |
| FSODIUM             | PPB   | 100.00                            |                               | 08/21/87    | 28000.00 | 07/22/87    | 311000.00 | 08/21/87    | 40000.00  |
|                     |       |                                   |                               | 12/06/87    | 28400.00 | 12/06/87    | 87700.00  | 12/16/87    | 47700.00  |
|                     |       |                                   |                               | 12/06/87    | 27200.00 |             | NR        |             | NR        |
|                     |       |                                   |                               | 12/06/87    | 28200.00 |             | NR        |             | NR        |

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VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES

WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |           |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|-----------|
|                  |       |                             |                         | 2-W14-2     |            | 2-W14-5     |            | 2-W14-6     |           |
| FSTRONT          | PPB   | 300.00                      |                         | 08/21/87    | 302.00     | 07/22/87    |            | 08/21/87    |           |
|                  |       |                             |                         | 12/08/87    | 302.00     | 12/08/87    |            | 12/16/87    |           |
|                  |       |                             |                         | 12/08/87    |            |             | NR         |             | NR        |
|                  |       |                             |                         | 12/08/87    | 305.00     |             | NR         |             | NR        |
| FVANADI          | PPB   | 5.00                        |                         | 08/21/87    | 16.00      | 07/22/87    | 104.00     | 08/21/87    | 20.00     |
|                  |       |                             |                         | 12/08/87    | 18.00      | 12/08/87    | 87.00      | 12/16/87    | 35.00     |
|                  |       |                             |                         | 12/08/87    | 24.00      |             | NR         |             | NR        |
|                  |       |                             |                         | 12/08/87    | 18.00      |             | NR         |             | NR        |
| FZINC            | PPB   | 5.00                        |                         | 08/21/87    |            | 07/22/87    | 39.00      | 08/21/87    |           |
|                  |       |                             |                         | 12/08/87    |            | 12/08/87    |            | 12/16/87    |           |
|                  |       |                             |                         | 12/08/87    | 7.00       |             | NR         |             | NR        |
|                  |       |                             |                         | 12/08/87    | 5.00       |             | NR         |             | NR        |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR         | 07/22/87    | 80500.00 * | 08/21/87    | 34100.00  |
|                  |       |                             |                         |             | NR         | 12/08/87    | 28900.00   | 12/16/87    | 20100.00  |
|                  |       |                             |                         |             |            |             |            |             |           |
|                  |       |                             |                         |             |            |             |            |             |           |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/21/87    | 1050.00    | 07/22/87    | 2750.00    | 08/21/87    | 4400.00 * |
|                  |       |                             |                         | 12/08/87    | 1030.00    | 12/08/87    | 2900.00    | 12/16/87    | 3800.00   |
|                  |       |                             |                         | 12/08/87    | 1080.00    |             | NR         |             | NR        |
|                  |       |                             |                         | 12/08/87    | 1080.00    |             | NR         |             | NR        |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/21/87    | 95100.00 * | 07/22/87    | 83900.00 * | 08/21/87    | 84800.00  |
|                  |       |                             |                         | 12/08/87    | 81200.00 * | 12/08/87    | 29900.00 * | 12/16/87    | 21200.00  |
|                  |       |                             |                         | 12/08/87    | 83600.00 * |             | NR         |             | NR        |
|                  |       |                             |                         | 12/08/87    | 84600.00 * |             | NR         |             | NR        |
| PH-LAB           |       | 0.01                        |                         | 08/21/87    | 7.85       | 07/22/87    | 7.99       | 08/21/87    | 7.76      |
|                  |       |                             |                         | 12/08/87    | 7.78       | 12/08/87    | 8.02       | 12/16/87    | 7.77      |
| PHFIELD          |       | 0.10                        |                         | 08/21/87    | 9.50       | 07/22/87    | 0.00       | 08/21/87    | 9.00      |
|                  |       |                             |                         | 12/08/87    | 5.00       | 12/08/87    | 5.00       | 12/16/87    | 7.20      |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 08/21/87    | 30.20 *    | 07/22/87    |            | 08/21/87    |           |
|                  |       |                             |                         | 12/08/87    | { 27.00 }  |             |            |             | NR        |
| SULFATE          | PPB   | 500.00                      |                         | 08/21/87    | 59800.00   | 07/22/87    | 78900.00   | 08/21/87    | 81500.00  |

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C.86



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 2-W14-2     | 2-W14-5     | 2-W14-2     | 2-W14-5     | 2-W14-2     | 2-W14-5    |
| SULFATE          | PPB   | 500.00                      |                         | 12/06/87    | 56700.00    | 12/06/87    | 55400.00    | 12/16/87    | 49400.00   |
|                  |       |                             |                         | 12/06/87    | 56900.00    |             | NR          |             | NR         |
|                  |       |                             |                         | 12/06/87    | 57000.00    |             | NR          |             | NR         |
| TC               | PPB   |                             |                         | 08/21/87    | 29400.00 0  | 07/22/87    | 33200.00 0  | 08/21/87    | 29200.00 0 |
|                  |       |                             |                         | 12/06/87    | 28800.00 0  | 12/06/87    | 29500.00 0  | 12/16/87    | 28900.00 0 |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 08/21/87    | 1220.00 *   | 07/22/87    | 402.00 *    | 08/21/87    | 650.00 *   |
|                  |       |                             |                         | 12/06/87    | 000.00 *    | 12/06/87    | 310.00 *    | 12/16/87    | 300.00 *   |
|                  |       |                             |                         | 12/06/87    | 030.00 *    |             | NR          |             | NR         |
|                  |       |                             |                         | 12/06/87    | 030.00 *    |             | NR          |             | NR         |
| TOXLDL           | PPB   | 20.00                       |                         | 08/21/87    | 921.00      | 07/22/87    | 340.00      | 08/21/87    | 371.00     |
|                  |       |                             |                         | 12/06/87    | 574.00      | 12/06/87    | 224.00      | 12/16/87    | 260.00     |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 08/21/87    | 16.00 *     | 07/22/87    |             | 08/21/87    |            |
|                  |       |                             |                         | 12/06/87    | 14.00 *     | 12/06/87    |             | 12/16/87    |            |
|                  |       |                             |                         | 12/06/87    | 14.00 *     |             | NR          |             | NR         |
|                  |       |                             |                         | 12/06/87    | 14.00 *     |             | NR          |             | NR         |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/21/87    | 80000.00 *  | 07/22/87    | 0920.00     | 08/21/87    | 29000.00 * |
|                  |       |                             |                         | 12/06/87    | { 1120.00 } | 12/06/87    | { 1230.00 } | 12/16/87    | { 675.00 } |
|                  |       |                             |                         |             | 84400.00 *  |             | 0210.00     |             | 16500.00   |
|                  |       |                             |                         |             | { 1000.00 } |             | { 360.00 }  |             | { 510.00 } |
| U                | PCI/L | 0.50                        | 000.00                  | 08/21/87    | 0.83        | 07/22/87    |             | 08/21/87    | 2.00       |

C.87

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 2-W15-4     | 2-W15-10    | 2-W15-10    | 2-W15-11    |             |             |
| 24DCPEN          | PPB   |                             |                         | 12/09/87    | 100.00 0    |             | NR          |             | NR          |
| 3BRCYEM          | PPB   |                             |                         | 08/14/87    | 11.00 0     |             | NR          |             | NR          |
| 4ME2PDL          | PPB   |                             |                         | 12/09/87    | 300.00 0    |             | NR          |             | NR          |
| 5ME3HDL          | PPB   |                             |                         | 12/09/87    | 240.00 0    |             | NR          |             | NR          |
| ALKALIN          |       |                             |                         | 08/14/87    | 185000.00 0 | 08/14/87    | 112000.00 0 | 08/14/87    | 123000.00 0 |
|                  |       |                             |                         | 12/09/87    | 185000.00 0 | 12/09/87    | 116000.00 0 | 12/09/87    | 123000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/14/87    | 7.01        | 08/14/87    | 1.12        | 08/14/87    | 2.32        |
|                  |       |                             |                         | 12/09/87    | { 4.42 }    | 08/14/87    | { 0.50 }    | 08/14/87    | { 0.89 }    |
|                  |       |                             |                         |             | NR          | 12/09/87    |             | 12/09/87    | 1.38        |
|                  |       |                             |                         |             | NR          | 12/09/87    | 1.28        | 12/09/87    | 2.17        |
|                  |       |                             |                         |             |             |             | { 0.52 }    |             | { 0.65 }    |
| AMMONIU          | PPB   | 50.00                       |                         | 08/14/87    | 129.00      | 08/14/87    |             | 08/14/87    |             |
|                  |       |                             |                         | 12/09/87    |             | 12/09/87    |             | 12/09/87    |             |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/14/87    | 19.00       | 08/14/87    | 24.90       | 08/14/87    | 26.00       |
|                  |       |                             |                         |             | { 5.73 }    |             | { 5.06 }    |             | { 6.71 }    |
|                  |       |                             |                         | 08/14/87    | 10.50       | 08/14/87    | 20.00       | 08/14/87    | 14.00       |
|                  |       |                             |                         |             | { 2.87 }    |             | { 3.40 }    |             | { 2.99 }    |
|                  |       |                             |                         | 12/09/87    | 17.20       | 12/09/87    | 14.00       | 12/09/87    | 12.50       |
|                  |       |                             |                         |             | { 5.77 }    |             | { 4.05 }    |             | { 4.52 }    |
|                  |       |                             |                         | 12/09/87    | 11.00       | 12/09/87    | 16.30       | 12/09/87    | 11.00       |
|                  |       |                             |                         |             | { 2.95 }    |             | { 2.97 }    |             | { 2.89 }    |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/14/87    | 30.00       | 08/14/87    | 30.00       | 08/14/87    | 47.00       |
|                  |       |                             |                         | 12/09/87    | 14.00       | 12/09/87    | 23.00       | 12/09/87    | 30.00       |
| CHLORID          | PPB   | 500.00                      |                         | 08/14/87    | 15000.00    | 08/14/87    | 17700.00    | 08/14/87    | 25000.00    |
|                  |       |                             |                         | 12/09/87    | 17000.00    | 12/09/87    | 17000.00    | 12/09/87    | 21200.00    |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/14/87    | 1410.00     | 08/14/87    | 465.00      | 08/14/87    | 020.00      |

C.88

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 2-W16-4                  | SAMPLE DATE          | 2-W16-10             | SAMPLE DATE          | 2-W16-11             |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|
| CONDFLD          | UMHO  | 1.00                        |                         | 12/09/87             | 1354.00                  | 12/09/87             | 485.00               | 12/09/87             | 507.00               |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/14/87             | NR                       | 08/14/87             | NR                   | 08/14/87<br>12/09/87 | 8.70<br>{ 7.72}      |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/14/87             | 19.00<br>NR              | 08/14/87<br>12/09/87 |                      | 08/14/87<br>12/09/87 |                      |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/14/87             | 50.00<br>NR              | 08/14/87<br>12/09/87 | 50.00<br>02.00       | 08/14/87<br>12/09/87 | 75.00<br>70.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/14/87             | 20100.00<br>NR           | 08/14/87<br>12/09/87 | 47000.00<br>58000.00 | 08/14/87<br>12/09/87 | 51100.00<br>73100.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 08/14/87             | NR                       | 08/14/87<br>12/09/87 | 13.00<br>12.00       | 08/14/87<br>12/09/87 | 35.00<br>30.00       |
| FIRON            | PPB   | 50.00                       |                         | 08/14/87             | 269.00<br>NR             | 08/14/87<br>12/09/87 |                      | 08/14/87<br>12/09/87 |                      |
| FLEAD            | PPB   | 5.00                        | 50.00                   | 08/14/87             | 0.00<br>NR               | 08/14/87<br>12/09/87 |                      | 08/14/87<br>12/09/87 |                      |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/14/87<br>12/09/87 | 10000.00 *<br>12700.00 * | 08/14/87<br>12/09/87 | 500.00               | 08/14/87<br>12/09/87 | 891.00               |
| FMAGNES          | PPB   | 0.00                        |                         | 08/14/87             | 0030.00<br>NR            | 08/14/87<br>12/09/87 | 17500.00<br>10300.00 | 08/14/87<br>12/09/87 | 21200.00<br>21300.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 08/14/87             | 17.00<br>NR              | 08/14/87<br>12/09/87 |                      | 08/14/87<br>12/09/87 |                      |
| FPOTASS          | PPB   | 100.00                      |                         | 08/14/87             | 0340.00<br>NR            | 08/14/87<br>12/09/87 | 4750.00<br>4400.00   | 08/14/87<br>12/09/87 | 5340.00<br>4920.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 08/14/87             | 209000.00<br>NR          | 08/14/87<br>12/09/87 | 17500.00<br>10000.00 | 08/14/87<br>12/09/87 | 25000.00<br>22000.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 08/14/87             |                          | 08/14/87             |                      | 08/14/87             | 315.00               |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.89

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                            | SAMPLE DATE          |                            | SAMPLE DATE          |                            |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------------|----------------------|----------------------------|----------------------|----------------------------|
|                  |       |                             |                         | 2-W15-4              | 2-W15-10                   | 2-W15-10             | 2-W15-11                   |                      |                            |
| FSTRONT          | PPB   | 300.00                      |                         |                      | NR                         | 12/09/87             |                            | 12/09/87             | 300.00                     |
| FVANADI          | PPB   | 5.00                        |                         | 08/14/87             | 230.00<br>NR               | 08/14/87<br>12/09/87 | 27.00<br>24.00             | 08/14/87<br>12/09/87 | 24.00<br>23.00             |
| FZINC            | PPB   | 5.00                        |                         | 08/14/87             | 234.00<br>NR               | 08/14/87<br>12/09/87 |                            | 08/14/87<br>12/09/87 | 5.00<br>9.00               |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/14/87<br>12/09/87 | 561000.00 *<br>520000.00 * | 08/14/87<br>12/09/87 | 101000.00 *<br>103000.00 * | 08/14/87<br>12/09/87 | 142000.00 *<br>133000.00 * |
| HMEPRA           | PPB   |                             |                         | 12/09/87             | 300.00 0                   |                      | NR                         |                      | NR                         |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/14/87<br>12/09/87 | 11000.00 *<br>12800.00 *   | 08/14/87<br>12/09/87 | 350.00<br>345.00           | 08/14/87<br>12/09/87 | 440.00<br>500.00           |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/14/87<br>12/09/87 | 554000.00 *<br>523000.00 * | 08/14/87<br>12/09/87 | 101000.00 *<br>100000.00 * | 08/14/87<br>12/09/87 | 142000.00 *<br>128000.00 * |
| PH-LAB           |       | 0.01                        |                         | 08/14/87<br>12/09/87 | 7.73<br>7.87               | 08/14/87<br>12/09/87 | 7.82<br>7.92               | 08/14/87<br>12/09/87 | 7.77<br>7.89               |
| PHFIELD          |       | 0.10                        |                         | 08/14/87<br>12/09/87 | 6.50<br>7.00               | 08/14/87<br>12/09/87 | 7.00<br>7.70               | 08/14/87<br>12/09/87 | 7.00<br>7.90               |
| PHOSPHA          | PPB   | 1000.00                     |                         | 08/14/87<br>12/09/87 |                            | 08/14/87<br>12/09/87 |                            | 08/14/87<br>12/09/87 |                            |
| SULFATE          | PPB   | 500.00                      |                         | 08/14/87<br>12/09/87 | 41000.00<br>42100.00       | 08/14/87<br>12/09/87 | 42300.00<br>53900.00       | 08/14/87<br>12/09/87 | 65400.00<br>63500.00       |
| TC               | PPB   |                             |                         | 08/14/87<br>12/09/87 | 40000.00 0<br>38100.00 0   | 08/14/87<br>12/09/87 | 26300.00 0<br>27100.00 0   | 08/14/87<br>12/09/87 | 29300.00 0<br>30000.00 0   |
| TETRAME          | PPB   | 10.00                       | 5.00                    | 08/14/87<br>12/09/87 | 1540.00 *<br>2290.00 *     | 08/14/87<br>12/09/87 | 2220.00 *<br>3410.00 *     | 08/14/87<br>12/09/87 | 2730.00 *<br>4520.00 *     |
| TGC              | PPB   | 1000.00                     |                         | 08/14/87<br>12/09/87 | 1320.00                    | 08/14/87<br>12/09/87 |                            | 08/14/87<br>12/09/87 |                            |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.90



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W15-4                    |          | 2-W15-10               |          | 2-W15-11              |       |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------------|----------|------------------------|----------|-----------------------|-------|
|                  |       |                             |                         |             | SAMPLE DATE                | VALUE    | SAMPLE DATE            | VALUE    | SAMPLE DATE           | VALUE |
| TOXLDL           | PPB   | 20.00                       |                         | 08/14/87    | 1500.00                    | 08/14/87 | 2300.00                | 08/14/87 | 3500.00               |       |
|                  |       |                             |                         | 12/09/87    | 1070.00                    | 12/09/87 | 2000.00                | 12/09/87 | 2900.00               |       |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 08/14/87    | 12.00 *                    | 08/14/87 |                        | 08/14/87 |                       |       |
|                  |       |                             |                         | 12/09/87    | 14.00 *                    | 12/09/87 |                        | 12/09/87 | 11.00 *               |       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/14/87    | 100000.00 *<br>{ 3040.00 } | 08/14/87 | 10700.00<br>{ 377.00 } | 08/14/87 | 7100.00<br>{ 371.00 } |       |
|                  |       |                             |                         | 12/09/87    | 104000.00 *<br>{ 1310.00 } |          | NR                     |          | NR                    |       |
| U                | PCI/L | 0.50                        | 500.00                  | 08/14/87    | 4.07                       |          | NR                     |          | NR                    |       |
| UNKNOWN          | PPB   | 0.00                        |                         | 08/14/87    | 10.00                      |          | NR                     |          | NR                    |       |
|                  |       |                             |                         | 08/14/87    | 12.00                      |          | NR                     |          | NR                    |       |
|                  |       |                             |                         | 08/14/87    | 17.00                      |          | NR                     |          | NR                    |       |
|                  |       |                             |                         | 08/14/87    | 63.00                      |          | NR                     |          | NR                    |       |
|                  |       |                             |                         | 12/09/87    | 1120.00                    |          | NR                     |          | NR                    |       |

C.91

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W18-15   | SAMPLE DATE | 2-W19-3     | SAMPLE DATE | 2-W19-5    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | -----       | -----      | -----       | -----       | -----       | -----      |
| ALKALIN          |       |                             |                         | 07/23/87    | 99400.00 0 | 10/15/87    | 100000.00 0 | 08/20/87    | 98400.00 0 |
|                  |       |                             |                         | 10/14/87    | 97300.00 0 |             | NR          |             | NR         |
| ALPHA            | PCI/L | 4.00                        | 16.00                   | 07/23/87    | 32.00 +    | 07/22/87    | 7100.00 +   | 08/20/87    | 7.93       |
|                  |       |                             |                         |             | { 4.63}    |             | { 365.00}   |             | { 2.23}    |
|                  |       |                             |                         | 07/23/87    | 51.60 +    | 08/13/87    | 6880.00 +   |             | NR         |
|                  |       |                             |                         |             | { 3.01}    |             | { 358.00}   |             |            |
|                  |       |                             |                         | 08/10/87    | 41.20 +    | 09/15/87    | 5670.00 +   |             | NR         |
|                  |       |                             |                         |             | { 2.00}    |             | { 321.00}   |             |            |
|                  |       |                             |                         | 09/10/87    | 51.30 +    | 10/15/87    | 4040.00 +   |             | NR         |
|                  |       |                             |                         |             | { 3.04}    |             | { 63.00}    |             |            |
|                  |       |                             |                         | 10/14/87    | 37.30 +    | 10/15/87    | 4060.00 +   |             | NR         |
|                  |       |                             |                         |             | { 4.31}    |             | { 297.00}   |             |            |
|                  |       |                             |                         | 10/14/87    | 51.20 +    | 11/11/87    | 4740.00 +   |             | NR         |
|                  |       |                             |                         |             | { 2.09}    |             | { 294.00}   |             |            |
|                  |       |                             |                         | 11/10/87    | 46.60 +    | 12/09/87    | 3930.00 +   |             | NR         |
|                  |       |                             |                         |             | { 2.70}    |             | { 267.00}   |             |            |
|                  |       |                             |                         | 12/08/87    | 53.10 +    |             | NR          |             | NR         |
|                  |       |                             |                         |             | { 3.00}    |             |             |             |            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/23/87    | 12.10      | 07/22/87    | 7030.00 +   | 08/20/87    | 26.90      |
|                  |       |                             |                         |             | { 4.17}    |             | { 635.00}   |             | { 5.53}    |
|                  |       |                             |                         | 07/23/87    | 17.60      | 08/13/87    | 6000.00 +   | 08/20/87    | 25.10      |
|                  |       |                             |                         |             | { 2.04}    |             | { 490.00}   |             | { 3.35}    |
|                  |       |                             |                         | 08/18/87    | 15.30      | 09/15/87    | 6050.00 +   | 12/01/87    | 30.30      |
|                  |       |                             |                         |             | { 2.73}    |             | { 497.00}   |             | { 3.09}    |
|                  |       |                             |                         | 09/16/87    | 20.70      | 10/15/87    | 1090.00 +   |             | NR         |
|                  |       |                             |                         |             | { 3.00}    |             | { 30.00}    |             |            |
|                  |       |                             |                         | 10/14/87    | 8.44       | 10/15/87    | 4050.00 +   |             | NR         |
|                  |       |                             |                         |             | { 3.74}    |             | { 447.00}   |             |            |
|                  |       |                             |                         | 10/14/87    | 19.10      | 11/11/87    | 4050.00 +   |             | NR         |
|                  |       |                             |                         |             | { 2.92}    |             | { 447.00}   |             |            |
|                  |       |                             |                         | 11/10/87    | 13.50      | 12/09/87    | 4050.00 +   |             | NR         |
|                  |       |                             |                         |             | { 2.54}    |             | { 410.00}   |             |            |
|                  |       |                             |                         | 12/08/87    | 15.20      |             | NR          |             | NR         |
|                  |       |                             |                         |             | { 2.67}    |             |             |             |            |
| C 14             | PCI/L |                             |                         |             | NR         | 08/20/87    | 9.00 0      |             | NR         |
|                  |       |                             |                         |             |            |             | { 2.13}     |             |            |

C.92

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 2-W18-16    | 2-W19-3  | 2-W18-16    | 2-W19-3  | 2-W18-16    | 2-W19-3  |
| CHLORID          | PPB   | 500.00                      |                         | 07/23/87    | 3010.00  | 10/15/87    | 19100.00 | 08/20/87    | 4230.00  |
|                  |       |                             |                         | 10/14/87    | 3640.00  |             | NR       |             | NR       |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    |          | 07/22/87    |          | 08/20/87    | 5.07     |
|                  |       |                             |                         | 10/14/87    |          | 08/13/87    | 20.80    |             | { 5.07   |
|                  |       |                             |                         |             |          |             | { 0.42}  |             | NR       |
|                  |       |                             |                         |             | NR       | 09/15/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 10/15/87    |          |             | NR       |
|                  | NR    | 11/11/87                    |                         |             | NR       |             |          |             |          |
|                  | NR    | 12/09/87                    |                         |             | NR       |             |          |             |          |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/23/87    | 197.00   | 10/15/87    | 505.00   | 08/20/87    | 234.00   |
|                  |       |                             |                         | 10/14/87    | 187.00   |             | NR       |             | NR       |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/23/87    |          | 07/22/87    |          | 08/20/87    |          |
|                  |       |                             |                         | 10/14/87    |          | 08/13/87    | 3.01     |             | NR       |
|                  |       |                             |                         |             |          |             | { 2.02}  |             |          |
|                  |       |                             |                         |             | NR       | 09/15/87    | 8.12     |             | NR       |
|                  |       |                             |                         |             | NR       | 10/15/87    | { 7.36}  |             | NR       |
|                  | NR    |                             | { 4.82}                 |             |          |             |          |             |          |
|                  | NR    | 11/11/87                    | { 9.64}                 |             | NR       |             |          |             |          |
|                  | NR    | 12/09/87                    |                         |             | NR       |             |          |             |          |
|                  |       |                             |                         |             | { 5.00   |             |          |             |          |
|                  |       |                             |                         |             | { 9.59}  |             |          |             |          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/23/87    | 11.00    | 10/15/87    |          | 08/20/87    | 0.00     |
|                  |       |                             |                         | 10/14/87    | 10.00    |             | NR       |             | NR       |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/23/87    | 22.00    | 10/15/87    | 49.00    | 08/20/87    | 22.00    |
|                  |       |                             |                         | 10/14/87    | 25.00    |             | NR       |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/23/87    | 21000.00 | 10/15/87    | 42000.00 | 08/20/87    | 16000.00 |
|                  |       |                             |                         | 10/14/87    | 20900.00 |             | NR       |             | NR       |
| FCOPPER          | PPB   | 10.00                       | (1300.0)                | 07/23/87    |          | 10/15/87    | 12.00    | 08/20/87    |          |
|                  |       |                             |                         | 10/14/87    |          |             | NR       |             | NR       |
| FIRON            | PPB   | 50.00                       |                         | 07/23/87    |          | 10/15/87    | 245.00   | 08/20/87    | 00.00    |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE  |                     | SAMPLE DATE  |  | SAMPLE DATE          |  |
|------------------|-------|-----------------------------|-------------------------|--|---------------------|--|--|----------------------|--|
|                  |       |                             |                         | 2-W18-15   | 2-W19-3             | 2-W18-15   | 2-W19-3  | 2-W18-15             | 2-W19-3                                    |
| FIRON            | PPB   | 50.00                       |                         | 10/14/87   |                     |  | NR   |                      | NR   |
| FLEAD            | PPB   | 5.00                        | 50.00                   | 07/23/87<br>10/14/87   | 5.00                | 10/15/87   |  | 08/20/87             | NR   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/23/87<br>10/14/87   |                     | 10/15/87   | 965.00<br>NR   | 08/20/87             | NR   |
| FMAGNES          | PPB   | 0.00                        |                         | 07/23/87<br>10/14/87   | 8100.00<br>8300.00  | 10/15/87   | 14100.00<br>NR   | 08/20/87             | 8220.00<br>NR                              |
| FMANGAN          | PPB   | 5.00                        |                         | 07/23/87<br>10/14/87   | 5.00                | 10/15/87   | 0.00<br>NR   | 08/20/87             | NR   |
| FPDTASS          | PPB   | 100.00                      |                         | 07/23/87<br>10/14/87   | 2920.00<br>3360.00  | 10/15/87   | 4630.00<br>NR  | 08/20/87             | 3200.00<br>NR                              |
| FSODIUM          | PPB   | 100.00                      |                         | 07/23/87<br>10/14/87   | 8990.00<br>10300.00 | 10/15/87   | 77100.00<br>NR   | 08/20/87             | 24300.00<br>NR                             |
| FVANADI          | PPB   | 5.00                        |                         | 07/23/87<br>10/14/87   | 19.00<br>21.00      | 10/15/87   | NR   | 08/20/87             | 27.00<br>NR                                |
| FZINC            | PPB   | 5.00                        |                         | 07/23/87<br>10/14/87   |                     | 10/15/87   | 15.00<br>NR  | 08/20/87             | NR   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87<br>08/10/87<br>09/16/87<br>10/14/87<br>11/19/87<br>12/08/87 | 2740.00             | 07/22/87<br>08/13/87<br>09/15/87<br>10/15/87<br>11/11/87<br>12/09/87 | 101000.00 *<br>105000.00 *<br>97100.00 *<br>92200.00 *<br>87000.00 *<br>71400.00 * | 08/20/87<br>12/01/87 | 4740.00<br>3010.00<br>NR<br>NR<br>NR<br>NR |
| I-129            | PCI/L |                             | 500.00                  |  | NR                  | 08/20/87   | 32.90 0<br>{ 3.92}   |                      | NR   |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/23/87<br>10/14/87   | 230.00<br>250.00    | 10/15/87   | 640.00<br>NR   | 08/20/87             | 450.00<br>NR                               |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/23/87   | 1280.00             | 10/15/87   | 93000.00 *   | 08/20/87             | 920.00                                     |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.94



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W18-15   |             | 2-W19-3  |            | SAMPLE DATE | 2-W19-5 |            |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|----------|------------|-------------|---------|------------|
|                  |       |                             |                         |             |            |             |          |            |             |         |            |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/14/87    | 1050.00    |             |          | NR         |             |         | NR         |
| PH-LAB           |       | 0.01                        |                         | 07/23/87    | 7.72       |             | 10/15/87 | 7.92       | 08/20/87    |         | 7.73       |
|                  |       |                             |                         | 10/14/87    | 7.90       |             |          | NR         |             | NR      |            |
| PHFIELD          |       | 0.10                        |                         | 07/23/87    | 7.20       |             | 10/15/87 | 7.40       | 08/20/87    |         | 8.20       |
|                  |       |                             |                         | 10/14/87    | 8.30       |             |          | NR         |             | NR      |            |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 07/23/87    |            |             | 07/22/87 |            | 08/20/87    |         | 35.90 *    |
|                  |       |                             |                         | 10/14/87    | 50.00 *    |             | 08/13/87 |            | { 29.30 }   | NR      |            |
|                  |       |                             |                         |             | { 33.70 }  |             |          |            |             |         |            |
|                  |       |                             |                         |             | NR         |             | 09/15/87 |            |             |         | NR         |
|                  |       |                             |                         |             | NR         |             | 10/15/87 |            |             |         | NR         |
|                  |       |                             |                         |             | NR         |             | 11/11/87 |            |             |         | NR         |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             |            |             | 07/22/87 |            |             |         | NR         |
|                  |       |                             |                         |             | NR         |             | 10/15/87 |            | 1.00        | NR      |            |
|                  |       |                             |                         |             |            |             | { 1.10 } |            |             |         |            |
| SULFATE          | PPB   | 500.00                      |                         | 07/23/87    | 12900.00   |             | 10/15/87 | 55400.00   | 08/20/87    |         | 20800.00   |
|                  |       |                             |                         | 10/14/87    | 12000.00   |             |          | NR         |             | NR      |            |
| TC               | PPB   |                             |                         | 07/23/87    | 23200.00 0 |             | 10/15/87 | 44800.00 0 | 08/20/87    |         | 23400.00 0 |
|                  |       |                             |                         | 10/14/87    | 22900.00 0 |             |          | NR         |             | NR      |            |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         |             | 08/13/87 | 2200.00 *  |             |         | NR         |
|                  |       |                             |                         |             | NR         |             | 08/20/87 | { 7.95 }   |             | NR      |            |
|                  |       |                             |                         |             | NR         |             | 08/26/87 | 2740.00 *  |             | NR      |            |
|                  |       |                             |                         |             | NR         |             | 09/15/87 | { 8.78 }   |             | NR      |            |
|                  |       |                             |                         |             | NR         |             | 12/09/87 | 2330.00 *  |             | NR      |            |
|                  |       |                             |                         |             |            | { 20.40 }   |          |            |             |         |            |
|                  |       |                             |                         |             |            | { 1800.00 * |          |            |             | NR      |            |
|                  |       |                             |                         |             |            | { 20.20 }   |          |            |             |         |            |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 07/23/87    | 119.00 *   |             | 10/15/87 | 85.00 *    | 08/20/87    |         | NR         |
|                  |       |                             |                         | 10/14/87    | 98.00 *    |             |          | NR         |             | NR      |            |
| TOC              | PPB   | 1000.00                     |                         | 07/23/87    |            |             | 10/15/87 |            | 08/20/87    |         | 2000.00    |

C.95

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W18-15   | SAMPLE DATE | 2-W19-3    | SAMPLE DATE | 2-W19-5    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
|                  |       |                             |                         | -----       | -----      | -----       | -----      | -----       | -----      |
| TOC              | PPB   | 1000.00                     |                         | 10/14/87    |            |             | NR         |             | NR         |
| TOXLDL           | PPB   | 20.00                       |                         | 07/23/87    | 85.40      | 10/15/87    | 69.00      | 08/20/87    |            |
|                  |       |                             |                         | 10/14/87    | 80.20      |             | NR         |             | NR         |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    |            | 07/22/87    | 1410.00    | 08/20/87    | 300.00     |
|                  |       |                             |                         | 08/18/87    | 335.00     | 08/13/87    | { 246.00 } | 12/01/87    | { 211.00 } |
|                  |       |                             |                         | 09/16/87    | { 210.00 } | 09/15/87    | { 252.00 } |             | { 212.00 } |
|                  |       |                             |                         | 10/14/87    |            | 10/15/87    | 995.00     |             | NR         |
|                  |       |                             |                         | 11/10/87    |            | 11/11/87    | { 233.00 } |             | NR         |
|                  |       |                             |                         | 12/08/87    |            | 12/09/87    | 1420.00    |             | NR         |
|                  |       |                             |                         |             |            |             | { 244.00 } |             | NR         |
|                  |       |                             |                         |             |            |             | 1110.00    |             | NR         |
|                  |       |                             |                         |             |            |             | { 193.00 } |             | NR         |
|                  |       |                             |                         |             |            |             | 921.00     |             | NR         |
|                  |       |                             |                         |             |            |             | { 187.00 } |             | NR         |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR         |             | NR         | 08/20/87    | 5.70       |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/23/87    | 23.60      | 07/22/87    | 3430.00 *  |             | NR         |
|                  |       |                             |                         |             | { 0.45 }   |             | { 69.40 }  |             | NR         |
|                  |       |                             |                         |             | NR         | 09/15/87    | 3190.00 *  |             | NR         |
|                  |       |                             |                         |             |            |             | { 68.70 }  |             | NR         |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/23/87    | 1.02       | 07/22/87    | 140.00 *   |             | NR         |
|                  |       |                             |                         |             | { 0.09 }   |             | { 14.00 }  |             | NR         |
|                  |       |                             |                         |             | NR         | 09/15/87    | 133.00 *   |             | NR         |
|                  |       |                             |                         |             |            |             | { 14.00 }  |             | NR         |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/23/87    | 24.00 *    | 07/22/87    | 3470.00 *  |             | NR         |
|                  |       |                             |                         |             | { 0.45 }   |             | { 69.70 }  |             | NR         |
|                  |       |                             |                         |             | NR         | 09/15/87    | 3100.00 *  |             | NR         |
|                  |       |                             |                         |             |            |             | { 68.40 }  |             | NR         |
| U-238            | PCI/L | 0.10                        | 500.00                  |             | NR         | 09/15/87    | 55.40      |             | NR         |
|                  |       |                             |                         |             |            |             | { 9.95 }   |             | NR         |
| U-CHEM           | UQ/L  | 0.73                        |                         | 07/23/87    | 63.10      | 07/22/87    | 9070.00    |             | NR         |

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C.96

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |         | SAMPLE DATE |         | SAMPLE DATE |    |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|---------|-------------|---------|-------------|----|
|                     |       |                                   |                               | 2-W18-15    | 2-W19-3 | 2-W19-3     | 2-W19-5 |             |    |
| U-CHEM              | UG/L  | 0.73                              |                               | 08/18/87    | 07.70   | 08/13/87    | 9530.00 |             | NR |
|                     |       |                                   |                               | 09/16/87    | 88.00   | 09/15/87    | 8200.00 |             | NR |
|                     |       |                                   |                               | 10/14/87    | 70.20   | 10/15/87    | 8590.00 |             | NR |
|                     |       |                                   |                               | 11/19/87    | 76.40   | 11/11/87    | 7250.00 |             | NR |
|                     |       |                                   |                               | 12/08/87    | 71.30   | 12/09/87    | 5870.00 |             | NR |

C.97

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-9                | SAMPLE DATE | 2-W19-11               | SAMPLE DATE | 2-W19-13         |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------|-------------|------------------------|-------------|------------------|
|                  |       |                             |                         | -----       | -----                  | -----       | -----                  | -----       | -----            |
| ALKALIN          |       |                             |                         | 07/22/87    | 149000.00 0            | 07/22/87    | 174000.00 0            | 07/21/87    | 151000.00 0      |
|                  |       |                             |                         | 10/15/87    | 135000.00 0            | 10/15/87    | 180000.00 0            | 10/14/87    | 145000.00 0      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/22/87    | 1760.00 +<br>{ 37.20}  | 07/22/87    | 2860.00 +<br>{ 49.50}  | 07/21/87    | 5.41<br>{ 1.97}  |
|                  |       |                             |                         | 07/22/87    | 2530.00 +<br>{ 218.00} | 07/22/87    | 3330.00 +<br>{ 246.00} | 07/21/87    | 9.97<br>{ 1.31}  |
|                  |       |                             |                         | 08/20/87    | 2460.00 +<br>{ 208.00} | 08/13/87    | 3090.00 +<br>{ 237.00} | 08/13/87    | 8.05<br>{ 1.23}  |
|                  |       |                             |                         | 09/16/87    | 1990.00 +<br>{ 191.00} | 09/16/87    | 4980.00 +<br>{ 296.00} | 09/16/87    | 8.50<br>{ 1.25}  |
|                  |       |                             |                         | 10/15/87    | 1360.00 +<br>{ 30.90}  | 10/15/87    | 2920.00 +<br>{ 52.00}  | 10/14/87    | 6.44<br>{ 2.18}  |
|                  |       |                             |                         | 10/15/87    | 1690.00 +<br>{ 178.00} | 10/15/87    | 3180.00 +<br>{ 237.00} | 10/14/87    | 7.58<br>{ 1.15}  |
|                  |       |                             |                         | 11/19/87    | 1780.00 +<br>{ 182.00} | 11/11/87    |                        | 11/11/87    | 7.47<br>{ 1.15}  |
|                  |       |                             |                         | 12/09/87    | 1560.00 +<br>{ 171.00} | 12/09/87    | 2860.00 +<br>{ 231.00} | 12/08/87    | 8.14<br>{ 1.19}  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/22/87    | 774.00 +<br>{ 28.50}   | 07/22/87    | 1100.00 +<br>{ 32.10}  | 07/21/87    | 26.70<br>{ 5.84} |
|                  |       |                             |                         | 07/22/87    | 3090.00 +<br>{ 382.00} | 07/22/87    | 4200.00 +<br>{ 419.00} | 07/21/87    | 21.20<br>{ 3.27} |
|                  |       |                             |                         | 08/20/87    | 2550.00 +<br>{ 331.00} | 08/13/87    | 3840.00 +<br>{ 461.00} | 08/13/87    | 22.20<br>{ 3.41} |
|                  |       |                             |                         | 09/16/87    | 2160.00 +<br>{ 308.00} | 09/16/87    | 5920.00 +<br>{ 493.00} | 09/16/87    | 15.60<br>{ 2.78} |
|                  |       |                             |                         | 10/15/87    | 518.00 +<br>{ 21.00}   | 10/15/87    | 867.00 +<br>{ 27.50}   | 10/14/87    | 14.80<br>{ 4.59} |
|                  |       |                             |                         | 10/15/87    | 1900.00 +<br>{ 296.00} | 10/15/87    | 3530.00 +<br>{ 385.00} | 10/14/87    | 18.60<br>{ 3.07} |
|                  |       |                             |                         | 11/19/87    | 2220.00 +<br>{ 310.00} | 11/11/87    |                        | 11/11/87    | 22.20<br>{ 3.38} |
|                  |       |                             |                         | 12/09/87    | 1830.00 +<br>{ 284.00} | 12/09/87    | 4410.00 +<br>{ 420.00} | 12/08/87    | 19.10<br>{ 3.11} |
| C 14             | PCI/L |                             |                         | 08/20/87    | 3.96 0<br>{ 2.03}      | 08/20/87    | 9.14 0<br>{ 2.13}      |             | NR               |

C.98

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|----------|
|                  |       |                             |                         |             | 2-W19-9     | 2-W19-11 |             |             |          |
| CHLORID          | PPB   | 500.00                      |                         | 07/22/87    | 22400.00    | 07/22/87 | 21000.00    | 07/21/87    | 16200.00 |
|                  |       |                             |                         | 10/15/87    | 19400.00    | 10/15/87 | 19700.00    | 10/14/87    | 15300.00 |
| CO-88            | PCI/L | 22.50                       | 100.00                  | 08/20/87    |             | 07/22/87 | 2.73        | 07/21/87    |          |
|                  |       |                             |                         |             |             | {        | 2.06}       |             |          |
|                  |       |                             |                         |             | NR          | 08/13/87 |             | 08/13/87    |          |
|                  |       |                             |                         |             | NR          | 09/16/87 | 6.40        | 09/16/87    |          |
|                  |       |                             |                         |             |             | {        | 5.23}       |             |          |
|                  |       |                             |                         |             |             | NR       | 10/15/87    | 10/14/87    |          |
|                  |       | NR                          | 11/11/87                | 11/11/87    | 7.00        |          |             |             |          |
|                  |       |                             | NR                      | 12/09/87    | 12/08/87    | {        | 5.35}       |             |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/22/87    | 522.00      | 07/22/87 | 821.00      | 07/21/87    | 374.00   |
|                  |       |                             |                         | 10/15/87    | 449.00      | 10/15/87 | 570.00      | 10/14/87    | 364.00   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/20/87    | 6.20        | 07/22/87 |             | 07/21/87    |          |
|                  |       |                             |                         |             | {           | 4.13}    |             |             |          |
|                  |       |                             |                         |             | NR          | 08/13/87 |             | 08/13/87    |          |
|                  |       |                             |                         |             | NR          | 09/16/87 |             | 09/16/87    |          |
|                  |       |                             |                         |             | NR          | 10/15/87 |             | 10/14/87    |          |
|                  |       |                             |                         |             | NR          | 11/11/87 |             | 11/11/87    |          |
|                  |       | NR                          | 12/09/87                | 12/08/87    |             |          |             |             |          |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 07/22/87    | 69.00       | 07/22/87 | 59.00       | 07/21/87    | 43.00    |
|                  |       |                             |                         | 10/15/87    | 54.00       | 10/15/87 | 48.00       | 10/14/87    | 41.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 07/22/87    | 44500.00    | 07/22/87 | 51200.00    | 07/21/87    | 42000.00 |
|                  |       |                             |                         | 10/15/87    | 33400.00    | 10/15/87 | 45700.00    | 10/14/87    | 40600.00 |
| FIRON            | PPB   | 50.00                       |                         | 07/22/87    | 81.00       | 07/22/87 |             | 07/21/87    |          |
|                  |       |                             |                         | 10/15/87    | 114.00      | 10/15/87 |             | 10/14/87    |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/22/87    | 833.00      | 07/22/87 | 851.00      | 07/21/87    | 705.00   |
|                  |       |                             |                         | 10/15/87    | 784.00      | 10/15/87 | 825.00      | 10/14/87    | 697.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 07/22/87    | 13900.00    | 07/22/87 | 16400.00    | 07/21/87    | 13300.00 |
|                  |       |                             |                         | 10/15/87    | 11500.00    | 10/15/87 | 15200.00    | 10/14/87    | 13300.00 |

C.99

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-9            | SAMPLE DATE | 2-W19-11           | SAMPLE DATE | 2-W19-13 |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------------|-------------|--------------------|-------------|----------|
|                  |       |                             |                         |             |                    |             |                    |             |          |
| FMANGAN          | PPB   | 5.00                        |                         | 07/22/87    | 7.00               | 07/22/87    | 5.00               | 07/21/87    |          |
|                  |       |                             |                         | 10/15/87    |                    | 10/15/87    |                    | 10/14/87    |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/22/87    | 3830.00            | 07/22/87    | 4760.00            | 07/21/87    | 3950.00  |
|                  |       |                             |                         | 10/15/87    | 3930.00            | 10/15/87    | 5230.00            | 10/14/87    | 4650.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 07/22/87    | 37700.00           | 07/22/87    | 51400.00           | 07/21/87    | 21200.00 |
|                  |       |                             |                         | 10/15/87    | 43200.00           | 10/15/87    | 60500.00           | 10/14/87    | 25300.00 |
| FVANADI          | PPB   | 5.00                        |                         | 07/22/87    |                    | 07/22/87    |                    | 07/21/87    | 29.00    |
|                  |       |                             |                         | 10/15/87    | 7.00               | 10/15/87    |                    | 10/14/87    | 31.00    |
| FZINC            | PPB   | 5.00                        |                         | 07/22/87    | 72.00              | 07/22/87    | 27.00              | 07/21/87    | 13.00    |
|                  |       |                             |                         | 10/15/87    | 58.00              | 10/15/87    | 14.00              | 10/14/87    | 5.00     |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/22/87    | 95700.00 *         | 07/22/87    | 116000.00 *        | 07/21/87    | 19900.00 |
|                  |       |                             |                         | 08/20/87    | 90900.00 *         | 08/13/87    | 114000.00 *        | 08/13/87    | 19900.00 |
|                  |       |                             |                         | 09/18/87    | 77400.00 *         | 09/15/87    | 109000.00 *        | 09/18/87    | 19000.00 |
|                  |       |                             |                         | 10/15/87    | 60700.00 *         | 10/15/87    | 100000.00 *        | 10/14/87    | 18400.00 |
|                  |       |                             |                         | 11/19/87    | 58000.00 *         | 11/11/87    |                    | 11/11/87    | 19000.00 |
|                  |       |                             |                         | 12/09/87    | 48100.00 *         | 12/09/87    | 102000.00 *        | 12/08/87    | 20000.00 |
|                  |       |                             |                         |             |                    |             |                    |             |          |
| I-129            | PCI/L |                             | 500.00                  | 08/20/87    | 21.40 0<br>{ 2.76} | 08/20/87    | 31.00 0<br>{ 3.84} |             | NR       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/22/87    | 475.00             | 07/22/87    | 480.00             | 07/21/87    | 570.00   |
|                  |       |                             |                         | 10/15/87    | 490.00             | 10/15/87    | 490.00             | 10/14/87    | 500.00   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/22/87    | 102000.00 *        | 07/22/87    | 117000.00 *        | 07/21/87    | 20700.00 |
|                  |       |                             |                         | 10/15/87    | 64900.00 *         | 10/15/87    | 100000.00 *        | 10/14/87    | 21000.00 |
| PH-LAB           |       | 0.01                        |                         | 07/22/87    | 7.70               | 07/22/87    | 7.04               | 07/21/87    | 7.01     |
|                  |       |                             |                         | 10/15/87    | 7.90               | 10/15/87    | 7.70               | 10/14/87    | 7.80     |
| PHFIELD          |       | 0.10                        |                         | 07/22/87    | 6.70               | 07/22/87    | 6.90               | 07/21/87    | 7.00     |
|                  |       |                             |                         | 10/15/87    | 7.40               | 10/15/87    | 7.40               | 10/14/87    | 7.90     |
| SR 00            | PCI/L | 5.00                        | 8.00                    | 08/20/87    |                    | 07/22/87    |                    | 07/21/87    |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 \* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIOISOTOPES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.100

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W19-9              |   | 2-W19-11   |   |  |                          |
|------------------|-------|-----------------------------|-------------------------|----------------------|---|--|---|--|--------------------------|
|                  |       |                             |                         | SAMPLE DATE          | VALUE   | SAMPLE DATE  | VALUE   |  |                          |
| SR 90            | PCI/L | 5.00                        | 8.00                    |                      | NR  | 10/15/87   | { 1.74<br>1.88 }  | 10/14/87   |                          |
| SULFATE          | PPB   | 500.00                      |                         | 07/22/87<br>10/15/87 | 41000.00<br>34000.00                            | 07/22/87<br>10/15/87   | 47000.00<br>44000.00  | 07/21/87<br>10/14/87   | 40900.00<br>40300.00     |
| TC               | PPB   |                             |                         | 07/22/87<br>10/15/87 | 35500.00 0<br>30900.00 0                        | 07/22/87<br>10/15/87   | 41500.00 0<br>36700.00 0  | 07/21/87<br>10/14/87   | 38100.00 0<br>32700.00 0 |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 08/20/87<br>12/09/87 | 2220.00 *<br>{ 7.93 }<br>1120.00 *<br>{ 21.50 } | 08/20/87<br>09/15/87<br>12/09/87                                     | 3130.00 *<br>{ 9.40 }<br>2320.00 *<br>{ 27.90 }<br>2590.00 *<br>{ 30.40 }   |  | NR<br>NR<br>NR           |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 07/22/87<br>10/15/87 | 73.40 *<br>55.00 *                              | 07/22/87<br>10/15/87   | 80.00 *<br>100.00 *   | 07/21/87<br>10/14/87   | 23.00 *<br>24.00 *       |
| TDC              | PPB   | 1000.00                     |                         | 07/22/87<br>10/15/87 |   | 07/22/87<br>10/15/87   | 1570.00   | 07/21/87<br>10/14/87   |                          |
| TOXLDL           | PPB   | 20.00                       |                         | 07/22/87<br>10/15/87 | 74.00<br>29.10                                  | 07/22/87<br>10/15/87   | 72.00<br>74.50  | 07/21/87<br>10/14/87   | 41.90<br>20.40           |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/20/87             | 724.00<br>{ 219.00 }                            | 07/22/87<br>08/13/87<br>09/15/87<br>10/15/87<br>11/11/87<br>12/09/87 | 1180.00<br>{ 240.00 }<br>754.00<br>{ 233.00 }<br>1440.00<br>{ 250.00 }<br>1130.00<br>{ 235.00 }<br>282.00<br>{ 169.00 }<br>037.00<br>{ 105.00 } | 07/21/87<br>08/13/87<br>09/10/87<br>10/14/87<br>11/11/87<br>12/08/87 | 345.00<br>{ 200.00 }     |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/22/87             | 1330.00 *<br>{ 45.30 }                          | 07/22/87   | 1770.00 *<br>{ 54.20 }  | 07/21/87   | 4.47<br>{ 0.10 }         |

C.101

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-9                      | SAMPLE DATE          | 2-W19-11   | SAMPLE DATE | 2-W19-13               |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------|----------------------|--|-------------|------------------------|
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR                           | 09/15/87             | 2020.00 *<br>{ 66.10 }                           |             | NR                     |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/22/87    | 58.30 *<br>{ 9.52 }<br>NR    | 07/22/87<br>09/15/87 | 102.00 *<br>{ 13.10 }<br>113.00 *<br>{ 13.00 }   | 07/21/87    | 0.17<br>{ 0.04 }<br>NR |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/22/87    | 1366.00 *<br>{ 45.90 }<br>NR | 07/22/87<br>09/15/87 | 2610.00 *<br>{ 57.00 }<br>2030.00 *<br>{ 66.30 } | 07/21/87    | 4.04<br>{ 0.17 }<br>NR |
| U-236            | PCI/L | 0.10                        | 500.00                  |             | NR                           | 09/15/87             | 54.20<br>{ 9.73 }                                |             | NR                     |
| U-CHEM           | UG/L  | 0.73                        |                         | 07/22/87    | 4330.00                      | 07/22/87             | 5430.00  | 07/21/87    | 12.90                  |
|                  |       |                             |                         | 08/20/87    | 5470.00                      | 08/13/87             | 4910.00  | 08/13/87    | 8.00                   |
|                  |       |                             |                         | 09/16/87    | 3580.00                      | 09/15/87             | 7000.00  | 09/16/87    | 12.00                  |
|                  |       |                             |                         | 10/15/87    | 3030.00                      | 10/15/87             | 6170.00  | 10/14/87    | 10.80                  |
|                  |       |                             |                         | 11/10/87    | 2090.00                      | 11/11/87             | 2.90   | 11/11/87    | 10.40                  |
|                  |       |                             |                         | 12/09/87    | 2270.00                      | 12/09/87             | 4480.00  | 12/08/87    | 7.83                   |

C.102

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 2-W19-15    | 2-W19-16    | 2-W19-16    | 2-W19-20    |             |             |
| ALKALIN          |       |                             |                         | 07/21/87    | 151000.00 0 | 07/23/87    | 135000.00 0 | 07/23/87    | 124000.00 0 |
|                  |       |                             |                         | 10/14/87    | 134000.00 0 | 10/14/87    | 127000.00 0 | 12/08/87    | 124000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/21/87    | 94.50 *     | 07/23/87    | 1070.00 *   | 07/23/87    | 249.00 *    |
|                  |       |                             |                         | {           | 8.20}       | {           | 27.00}      | {           | 23.40}      |
|                  |       |                             |                         | 07/21/87    | 108.00 *    | 07/23/87    | 1380.00 *   | 07/23/87    | 262.00 *    |
|                  |       |                             |                         | {           | 9.05}       | {           | 160.00}     | {           | 10.00}      |
|                  |       |                             |                         | 08/13/87    | 128.00 *    | 08/13/87    | 1270.00 *   | 08/13/87    | 309.00 *    |
|                  |       |                             |                         | {           | 11.00}      | {           | 153.00}     | {           | 11.00}      |
|                  |       |                             |                         | 09/15/87    | 103.00 *    | 09/16/87    | 1190.00 *   | 09/16/87    | 194.00 *    |
|                  |       |                             |                         | {           | 9.54}       | {           | 148.00}     | {           | 9.38}       |
|                  |       |                             |                         | 10/14/87    | 116.00 *    | 10/14/87    | 883.00 *    | 11/19/87    | 245.00 *    |
|                  |       |                             |                         | {           | 9.22}       | {           | 24.70}      | {           | 10.70}      |
|                  |       |                             |                         | 10/14/87    | 163.00 *    | 10/14/87    | 1240.00 *   | 12/08/87    | 172.00 *    |
|                  |       |                             |                         | {           | 12.00}      | {           | 154.00}     | {           | 18.00}      |
|                  |       |                             |                         | 11/17/87    | 199.00 *    | 11/17/87    | 1020.00 *   | 12/08/87    | 319.00 *    |
|                  |       |                             |                         | {           | 13.00}      | {           | 137.00}     | {           | 12.10}      |
|                  |       |                             |                         | 12/09/87    | 114.00 *    | 12/09/87    | 1170.00 *   | 12/08/87    | 344.00 *    |
|                  |       |                             |                         | {           | 9.50}       | {           | 144.00}     | {           | 12.70}      |
| ALUMNUM          | PPB   | 150.00                      |                         |             | NR          |             | NR          | 12/08/87    | 869.00      |
| BARIUM           | PPB   | 8.00                        | 1000.00                 |             | NR          |             | NR          | 12/08/87    | 218.00      |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/21/87    | 122.00 *    | 07/23/87    | 432.00 *    | 07/23/87    | 905.00 *    |
|                  |       |                             |                         | {           | 10.90}      | {           | 19.50}      | {           | 43.30}      |
|                  |       |                             |                         | 07/21/87    | 280.00 *    | 07/23/87    | 2000.00 *   | 07/23/87    | 597.00 *    |
|                  |       |                             |                         | {           | 31.20}      | {           | 298.00}     | {           | 27.30}      |
|                  |       |                             |                         | 08/13/87    | 261.00 *    | 08/13/87    | 1920.00 *   | 08/13/87    | 724.00 *    |
|                  |       |                             |                         | {           | 31.00}      | {           | 292.00}     | {           | 30.00}      |
|                  |       |                             |                         | 09/15/87    | 212.00 *    | 09/16/87    | 1650.00 *   | 09/16/87    | 846.00 *    |
|                  |       |                             |                         | {           | 20.10}      | {           | 272.00}     | {           | 32.00}      |
|                  |       |                             |                         | 10/14/87    | 96.70 *     | 10/14/87    | 350.00 *    | 11/19/87    | 1130.00 *   |
|                  |       |                             |                         | {           | 9.50}       | {           | 17.10}      | {           | 37.00}      |
|                  |       |                             |                         | 10/14/87    | 255.00 *    | 10/14/87    | 1440.00 *   | 12/08/87    | 776.00 *    |
|                  |       |                             |                         | {           | 30.20}      | {           | 258.00}     | {           | 30.30}      |
|                  |       |                             |                         | 11/17/87    | 338.00 *    | 11/17/87    | 1780.00 *   | 12/08/87    | 1070.00 *   |
|                  |       |                             |                         | {           | 35.30}      | {           | 281.00}     | {           | 36.00}      |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.103

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-15             | SAMPLE DATE | 2-W19-16                | SAMPLE DATE | 2-W19-20               |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|-------------|-------------------------|-------------|------------------------|
|                  |       |                             |                         |             |                      |             |                         |             |                        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/09/87    | 61.90 *<br>{ 11.80 } | 12/09/87    | 1420.00 *<br>{ 254.00 } | 12/08/87    | 1150.00 *<br>{ 38.40 } |
| C 14             | PCI/L |                             |                         | 08/18/87    | 7.59 0<br>{ 2.10 }   | 08/18/87    | 4.12 0<br>{ 2.03 }      |             | NR                     |
| CALCIUM          | PPB   | 50.00                       |                         |             | NR                   |             | NR                      | 12/06/87    | 247000.00              |
| CHLORID          | PPB   | 500.00                      |                         | 07/21/87    | 25400.00             | 07/23/87    | 15900.00                | 07/23/87    | 33200.00               |
|                  |       |                             |                         | 10/14/87    | 21100.00             | 10/14/87    | 15200.00                | 12/06/87    | 29500.00               |
|                  |       |                             |                         | 11/17/87    | 24900.00             | 11/17/87    | 14600.00                |             | NR                     |
| CHROMUM          | PPB   | 10.00                       | 50.00                   |             | NR                   |             | NR                      | 12/06/87    | 10.00                  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/18/87    |                      | 08/18/87    |                         | 07/23/87    | 4.72                   |
|                  |       |                             |                         |             | NR                   |             | NR                      | 08/13/87    | { 3.15 }               |
|                  |       |                             |                         |             | NR                   |             | NR                      | 09/10/87    | { 10.70 }              |
|                  |       |                             |                         |             | NR                   |             | NR                      | 11/19/87    | { 6.25 }               |
|                  |       |                             |                         |             | NR                   |             | NR                      | 12/06/87    |                        |
|                  |       |                             |                         |             | NR                   |             | NR                      | 12/06/87    |                        |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/21/87    | 480.00               | 07/23/87    | 418.00                  | 07/23/87    | 1600.00                |
|                  |       |                             |                         | 10/14/87    | 420.00               | 10/14/87    | 370.00                  | 12/06/87    | 1751.00                |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/18/87    |                      | 08/18/87    |                         | 07/23/87    |                        |
|                  |       |                             |                         |             | NR                   |             | NR                      | 08/13/87    | 68.80                  |
|                  |       |                             |                         |             | NR                   |             | NR                      | 09/10/87    | { 8.19 }               |
|                  |       |                             |                         |             | NR                   |             | NR                      | 11/19/87    |                        |
|                  |       |                             |                         |             | NR                   |             | NR                      | 12/06/87    |                        |
|                  |       |                             |                         |             | NR                   |             | NR                      | 12/06/87    |                        |
| FALUMIN          | PPB   | 150.00                      |                         | 07/21/87    |                      | 07/23/87    |                         | 07/23/87    |                        |
|                  |       |                             |                         | 10/14/87    |                      | 10/14/87    |                         | 12/06/87    | 350.00                 |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/21/87    | 51.00                | 07/23/87    | 43.00                   | 07/23/87    | 204.00                 |
|                  |       |                             |                         | 10/14/87    | 44.00                | 10/14/87    | 41.00                   | 12/06/87    | 199.00                 |

C.104

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |              |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|--------------|
|                  |       |                             |                         | 2-W19-15    | 2-W19-16   | 2-W19-18    | 2-W19-18   | 2-W19-20    |              |
| FCALCIU          | PPB   | 50.00                       |                         | 07/21/87    | 58900.00   | 07/23/87    | 36100.00   | 07/23/87    | 277000.00    |
|                  |       |                             |                         | 10/14/87    | 46400.00   | 10/14/87    | 30200.00   | 12/06/87    | 232000.00    |
| FIRON            | PPB   | 50.00                       |                         | 07/21/87    |            | 07/23/87    |            | 07/23/87    | 178.00       |
|                  |       |                             |                         | 10/14/87    |            | 10/14/87    |            | 12/06/87    | 2020.00      |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/21/87    | 702.00     | 07/23/87    | 824.00     | 07/23/87    | 1090.00      |
|                  |       |                             |                         | 10/14/87    | 653.00     | 10/14/87    | 747.00     | 12/06/87    | 1440.00      |
|                  |       |                             |                         | 11/17/87    | 651.00     | 11/17/87    | 761.00     |             | NR           |
| FMAGNES          | PPB   | 0.00                        |                         | 07/21/87    | 19300.00   | 07/23/87    | 11300.00   | 07/23/87    | 89200.00     |
|                  |       |                             |                         | 10/14/87    | 16700.00   | 10/14/87    | 10400.00   | 12/06/87    | 82100.00     |
| FMANGAN          | PPB   | 5.00                        |                         | 07/21/87    | 12.00      | 07/23/87    |            | 07/23/87    | 16.00        |
|                  |       |                             |                         | 10/14/87    | 14.00      | 10/14/87    | 5.00       | 12/06/87    | 38.00        |
| FNICKEL          | PPB   | 10.00                       |                         | 07/21/87    |            | 07/23/87    |            | 07/23/87    |              |
|                  |       |                             |                         | 10/14/87    |            | 10/14/87    |            | 12/06/87    | 10.00        |
| FPOTASS          | PPB   | 100.00                      |                         | 07/21/87    | 5120.00    | 07/23/87    | 3770.00    | 07/23/87    | 9270.00      |
|                  |       |                             |                         | 10/14/87    | 4840.00    | 10/14/87    | 4140.00    | 12/06/87    | 9490.00      |
| FSODIUM          | PPB   | 100.00                      |                         | 07/21/87    | 28500.00   | 07/23/87    | 38700.00   | 07/23/87    | 34700.00     |
|                  |       |                             |                         | 10/14/87    | 28700.00   | 10/14/87    | 43500.00   | 12/06/87    | 36500.00     |
| FSTRDNT          | PPB   | 300.00                      |                         | 07/21/87    |            | 07/23/87    |            | 07/23/87    | 1070.00      |
|                  |       |                             |                         | 10/14/87    |            | 10/14/87    |            | 12/06/87    | 1040.00      |
| FVANADI          | PPB   | 5.00                        |                         | 07/21/87    | 21.00      | 07/23/87    | 13.00      | 07/23/87    | 11.00        |
|                  |       |                             |                         | 10/14/87    | 25.00      | 10/14/87    | 17.00      | 12/06/87    | 11.00        |
| FZINC            | PPB   | 5.00                        |                         | 07/21/87    | 23.00      | 07/23/87    | 15.00      | 07/23/87    | 30.00        |
|                  |       |                             |                         | 10/14/87    | 21.00      | 10/14/87    | 9.00       | 12/06/87    | 28.00        |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/21/87    | 83500.00 * | 07/23/87    | 55900.00 * | 07/23/87    | 963000.00 *  |
|                  |       |                             |                         | 08/13/87    | 82000.00 * | 08/13/87    | 49900.00 * | 08/13/87    | 990000.00 *  |
|                  |       |                             |                         | 09/16/87    | 65500.00 * | 09/16/87    | 47100.00 * | 09/16/87    | 1020000.00 * |
|                  |       |                             |                         | 10/14/87    | 58800.00 * | 10/14/87    | 41900.00   | 11/19/87    | 933000.00 *  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.105

TABLE C.3. (contd)

C.106

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | 2-W19-16 |            | SAMPLE DATE |             | 2-W19-18 |             | SAMPLE DATE |  | 2-W19-20 |             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|----------|------------|-------------|-------------|----------|-------------|-------------|--|----------|-------------|
|                  |       |                             |                         |             |            |          |            |             |             |          |             |             |  |          |             |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 11/17/87    | 83300.00 * | 11/17/87 | 52000.00 * | 12/08/87    | 840000.00 * | 12/08/87 | 870000.00 * |             |  |          |             |
|                  |       |                             |                         | 12/09/87    | 61100.00 * | 12/09/87 | 47100.00 * | 12/08/87    | 870000.00 * |          |             |             |  |          |             |
| I-129            | PCI/L |                             | 500.00                  | 08/18/87    | 9.87 0     | 08/18/87 | 9.20 0     |             |             |          |             |             |  |          | NR          |
|                  |       |                             |                         |             | { 1.78 }   |          | { 1.75 }   |             |             |          |             |             |  |          |             |
| IRON             | PPB   | 50.00                       |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 3150.00     |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/21/87    | 450.00     | 07/23/87 | 530.00     | 07/23/87    |             | 07/23/87 |             |             |  |          | 290.00      |
|                  |       |                             |                         | 10/14/87    | 400.00     | 10/14/87 | 560.00     | 12/08/87    |             |          | 12/08/87    |             |  |          |             |
| MAGNES           | PPB   | 0.00                        |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 85000.00    |
| MANGESE          | PPB   | 5.00                        |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 62.00       |
| NICKEL           | PPB   | 10.00                       |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 14.00       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/21/87    | 88200.00 * | 07/23/87 | 57000.00 * | 07/23/87    |             | 07/23/87 |             |             |  |          | 977000.00 * |
|                  |       |                             |                         | 10/14/87    | 59500.00 * | 10/14/87 | 44300.00   | 12/08/87    |             |          | 12/08/87    |             |  |          | 992000.00 * |
|                  |       |                             |                         | 11/17/87    | 84000.00 * | 11/17/87 | 51900.00 * |             |             |          |             |             |  |          | NR          |
| PH-LAB           |       | 0.01                        |                         | 07/21/87    | 7.84       | 07/23/87 | 7.55       | 07/23/87    |             | 07/23/87 |             |             |  |          | 7.54        |
|                  |       |                             |                         | 10/14/87    | 7.74       | 10/14/87 | 7.71       | 12/08/87    |             |          | 12/08/87    |             |  |          | 7.59        |
| PHFIELD          |       | 0.10                        |                         | 07/21/87    | 0.70       | 07/23/87 | 7.00       | 07/23/87    |             | 07/23/87 |             |             |  |          | 0.70        |
|                  |       |                             |                         | 10/14/87    | 7.50       | 10/14/87 | 7.70       | 12/08/87    |             |          | 12/08/87    |             |  |          | 5.80        |
| POTASUM          | PPB   | 100.00                      |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 9610.00     |
| RADIUM           | PCI/L | 1.00                        | 5.00                    |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 0.23        |
|                  |       |                             |                         |             |            |          |            |             |             |          |             |             |  |          | { 0.10 }    |
| SODIUM           | PPB   | 100.00                      |                         |             |            |          | NR         |             | NR          | 12/08/87 |             |             |  |          | 30000.00    |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/18/87    |            | 08/18/87 |            | 07/23/87    |             | 07/23/87 |             |             |  |          |             |
|                  |       |                             |                         | 11/01/87    |            | 11/01/87 |            | 08/13/87    |             |          | 08/13/87    |             |  |          |             |
|                  |       |                             |                         |             |            |          |            |             |             |          |             |             |  |          |             |
|                  |       |                             |                         |             | NR         |          |            |             |             |          |             |             |  |          |             |
|                  |       |                             |                         |             | NR         |          |            |             |             |          |             |             |  |          |             |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      |  | SAMPLE DATE                      |  | SAMPLE DATE  |  |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|--|----------------------------------|--|--|--|
|                  |       |                             |                         | 2-W19-15                         | 2-W19-16   | 2-W19-16                         | 2-W19-16   | 2-W19-20   |  |
| SR 98            | PCI/L | 5.00                        | 8.00                    |                                  | NR<br>NR   |                                  | NR<br>NR   | 12/06/87<br>12/08/87   |  |
| SULFATE          | PPB   | 500.00                      |                         | 07/21/87<br>10/14/87<br>11/17/87 | 51600.00<br>43200.00<br>56600.00                   | 07/23/87<br>10/14/87<br>11/17/87 | 34400.00<br>32300.00<br>31500.00                   | 07/23/87<br>12/06/87   | 56900.00<br>56300.00<br>NR   |
| TC               | PPB   |                             |                         | 07/21/87<br>10/14/87             | 36600.00 0<br>32900.00 0                           | 07/23/87<br>10/14/87             | 32300.00 0<br>29400.00 0                           | 07/23/87<br>12/06/87   | 30000.00 0<br>29700.00 0   |
| TC-99            | PCI/L | 16.00                       | 900.00                  | 08/18/87<br>12/09/87             | 506.00<br>{ 4.16 }<br>784.00<br>{ 7.33 }           | 08/18/87<br>12/09/87             | 1190.00 *<br>{ 5.90 }<br>1630.00 *<br>{ 24.90 }    | 12/08/87   | 11600.00 *<br>{ 27.20 }<br>NR  |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 07/21/87<br>10/14/87             | 69.00 *<br>76.00 *                                 | 07/23/87<br>10/14/87             | 113.00 *<br>115.00 *                               | 07/23/87<br>12/06/87   | 38.70 *<br>36.00 *   |
| TOC              | PPB   | 1000.00                     |                         | 07/21/87<br>10/14/87             |  | 07/23/87<br>10/14/87             |  | 07/23/87<br>12/06/87   | 1870.00  |
| TOXLDL           | PPB   | 20.00                       |                         | 07/21/87<br>10/14/87             | 52.90<br>62.00                                     | 07/23/87<br>10/14/87             | 61.30<br>63.20                                     | 07/23/87<br>12/06/87   | 32.60<br>36.90   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/18/87                         | 811.00<br>{ 221.00 }<br>NR<br>NR<br>NR<br>NR<br>NR | 08/18/87                         | 323.00<br>{ 204.00 }<br>NR<br>NR<br>NR<br>NR<br>NR | 07/23/87<br>08/13/87<br>09/16/87<br>11/19/87<br>12/06/87<br>12/08/87 | 1240.00<br>{ 241.00 }<br>1640.00<br>{ 259.00 }<br>1600.00<br>{ 266.00 }<br>1570.00<br>{ 205.00 }<br>1410.00<br>{ 249.00 }<br>1570.00<br>{ 204.00 } |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/21/87                         | 85.10 *<br>{ 6.80 }                                | 07/23/87                         | 682.00 *<br>{ 22.10 }                              |  | NR   |

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C.107

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |                    | SAMPLE DATE |                      | SAMPLE DATE |        |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|--------------------|-------------|----------------------|-------------|--------|
|                     |       |                                   |                               | 2-W19-15    | 2-W19-16           | 2-W19-18    | 2-W19-20             |             |        |
| U 235               | PCI/L | 0.10                              | 32.00                         | 07/21/87    | 2.72<br>{ 1.42}    | 07/23/87    | 28.50<br>{ 4.00}     |             | NR     |
| U 238               | PCI/L | 0.10                              | 4.00                          | 07/21/87    | 87.70 *<br>{ 0.00} | 07/23/87    | 005.00 *<br>{ 22.50} |             | NR     |
| U-CHEM              | UG/L  | 0.73                              |                               | 07/21/87    | 204.00             | 07/23/87    | 1930.00              | 07/23/87    | 407.00 |
|                     |       |                                   |                               | 08/13/87    | 222.00             | 08/13/87    | 1500.00              | 08/13/87    | 441.00 |
|                     |       |                                   |                               | 09/15/87    | 204.00             | 09/16/87    | 2010.00              | 09/16/87    | 435.00 |
|                     |       |                                   |                               | 10/14/87    | 192.00             | 10/14/87    | 1850.00              | 11/19/87    | 458.00 |
|                     |       |                                   |                               | 11/17/87    | 350.00             | 11/17/87    | 2140.00              | 12/08/87    | 544.00 |
|                     |       |                                   |                               | 12/09/87    | 200.00             | 12/09/87    | 1500.00              | 12/08/87    | 499.00 |
| VANADUM             | PPB   | 5.00                              |                               |             | NR                 |             | NR                   | 12/06/87    | 11.00  |
| ZINC                | PPB   | 5.00                              |                               |             | NR                 |             | NR                   | 12/08/87    | 33.00  |

C.108

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TABLE C.3. (contd)

C.109

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-24       | SAMPLE DATE | 2-W22-12      | SAMPLE DATE          | 2-W22-26             |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------|-------------|---------------|----------------------|----------------------|
|                  |       |                             |                         | -----       | -----          | -----       | -----         | -----                | -----                |
| CHLORID          | PPB   | 500.00                      |                         | 12/29/87    | 29000.00<br>NR | 08/18/87    | 6250.00<br>NR | 08/18/87<br>12/09/87 | 30500.00<br>44900.00 |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 12/29/87    | 30.00          |             | NR            |                      | NR                   |
| CDMFLD           | UMHD  | 1.00                        |                         | 12/29/87    | 1870.00<br>NR  | 08/18/87    | 250.00<br>NR  | 08/18/87<br>12/09/87 | 783.00<br>658.00     |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 12/29/87    | 212.00         |             | NR            |                      | NR                   |
| FCALCIU          | PPB   | 50.00                       |                         | 12/29/87    | 318000.00      |             | NR            |                      | NR                   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/29/87    | 1580.00<br>NR  | 08/18/87    | NR            | 08/18/87<br>12/09/87 | 673.00               |
| FMAGNES          | PPB   | 0.00                        |                         | 12/29/87    | 103000.00      |             | NR            |                      | NR                   |
| FPDTASS          | PPB   | 100.00                      |                         | 12/29/87    | 9520.00        |             | NR            |                      | NR                   |
| FSDDIUM          | PPB   | 100.00                      |                         | 12/29/87    | 50800.00       |             | NR            |                      | NR                   |
| FSTRONT          | PPB   | 300.00                      |                         | 12/29/87    | 1500.00        |             | NR            |                      | NR                   |
| FZINC            | PPB   | 5.00                        |                         | 12/29/87    | 279.00         |             | NR            |                      | NR                   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/20/87    | 1270000.00 *   | 08/18/87    | 3000.00       |                      | NR                   |
|                  |       |                             |                         | 08/13/87    | 1500000.00 *   | 11/01/87    | 2810.00       |                      | NR                   |
|                  |       |                             |                         | 09/15/87    | 1200000.00 *   |             | NR            |                      | NR                   |
|                  |       |                             |                         | 10/12/87    | 1290000.00 *   |             | NR            |                      | NR                   |
| I-129            | PCI/L |                             | 500.00                  |             | NR             |             | NR            | 08/18/87             | 1.61 @<br>{ 1.00 }   |
| IRON             | PPB   | 50.00                       |                         | 12/29/87    | 26900.00       |             | NR            |                      | NR                   |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 12/29/87    | 8.00           |             | NR            |                      | NR                   |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 12/29/87    | 330.00         | 08/18/87    | 500.00        | 08/18/87             | 240.00               |

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TABLE C.3. (contd)

C.110

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W19-24    |              | 2-W22-12    |           | 2-W22-20    |             |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------|-------------|-----------|-------------|-------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE        | SAMPLE DATE | VALUE     | SAMPLE DATE | VALUE       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             | NR           |             | NR        | 12/09/87    | 300.00      |
| MAGNES           | PPB   | 0.00                        |                         | 12/29/87    | 98100.00     |             | NR        |             | NR          |
| MANGESE          | PPB   | 5.00                        |                         | 12/29/87    | 10.00        |             | NR        |             | NR          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/29/87    | 1310000.00 * | 08/18/87    | 3040.00   | 08/18/87    | 131000.00 * |
|                  |       |                             |                         |             | NR           |             | NR        | 12/09/87    | 131000.00 * |
| PH-LAB           |       | 0.01                        |                         | 12/29/87    | 7.30         | 08/18/87    | 7.09      | 08/18/87    | 7.59        |
|                  |       |                             |                         |             | NR           |             | NR        | 12/09/87    | 7.71        |
| PHFIELD          |       | 0.10                        |                         | 12/29/87    | 0.70         | 08/18/87    | 5.50      | 08/18/87    | 5.30        |
|                  |       |                             |                         |             | NR           |             | NR        | 12/09/87    | 7.30        |
| PHOSPHA          | PPB   | 1000.00                     |                         | 12/29/87    | 45000.00     | 08/18/87    |           | 08/18/87    |             |
|                  |       |                             |                         |             | NR           |             | NR        | 12/09/87    |             |
| POTASUM          | PPB   | 100.00                      |                         | 12/29/87    | 9340.00      |             | NR        |             | NR          |
| PU-238           | PCI/L | 17.00                       | 5000.00                 | 07/20/87    |              | 08/18/87    |           | 08/18/87    |             |
|                  |       |                             |                         | 08/13/87    |              |             | NR        |             | NR          |
|                  |       |                             |                         | 09/15/87    | 0.04         |             | NR        |             | NR          |
|                  |       |                             |                         |             | { 0.02 }     |             |           |             |             |
|                  |       |                             |                         | 10/12/87    |              |             | NR        |             | NR          |
| PU39-40          | PCI/L | 17.00                       | 5000.00                 | 07/20/87    |              | 08/18/87    |           | 08/18/87    |             |
|                  |       |                             |                         | 08/13/87    |              |             | NR        |             | NR          |
|                  |       |                             |                         | 09/15/87    | 0.27         |             | NR        |             | NR          |
|                  |       |                             |                         |             | { 0.00 }     |             |           |             |             |
|                  |       |                             |                         | 10/12/87    |              |             | NR        |             | NR          |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 12/29/87    | 0.37         |             | NR        |             | NR          |
|                  |       |                             |                         |             | { 0.21 }     |             |           |             |             |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/20/87    |              | 08/18/87    | 39.00 *   | 08/18/87    |             |
|                  |       |                             |                         | 08/13/87    |              |             | { 29.50 } |             |             |
|                  |       |                             |                         | 09/15/87    |              |             | NR        |             | NR          |
|                  |       |                             |                         |             |              |             | NR        |             | NR          |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-24   |  | SAMPLE DATE | 2-W22-12   |  | SAMPLE DATE | 2-W22-20    |    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|-------------|------------|--|-------------|-------------|----|
|                  |       |                             |                         |             |            |  |             |            |  |             |             |    |
| RU-100           | PCI/L | 172.00                      | 30.00                   | 10/12/87    | 64.70 *    |  |             | NR         |  |             |             | NR |
|                  |       |                             |                         |             | { 51.00 }  |  |             |            |  |             |             |    |
| SODIUM           | PPB   | 100.00                      |                         | 12/29/87    | 40300.00   |  |             | NR         |  |             |             | NR |
| SR 00            | PCI/L | 5.00                        | 8.00                    | 07/20/87    |            |  | 08/18/87    |            |  | 08/18/87    |             | NR |
|                  |       |                             |                         | 08/13/87    | 1.25       |  |             | NR         |  |             |             | NR |
|                  |       |                             |                         |             | { 0.94 }   |  |             |            |  |             |             |    |
|                  |       |                             |                         | 09/15/87    | 1.15       |  |             | NR         |  |             |             | NR |
|                  |       |                             |                         |             | { 0.84 }   |  |             |            |  |             |             |    |
|                  |       |                             |                         | 10/12/87    | 1.44       |  |             | NR         |  |             |             | NR |
|                  |       |                             |                         |             | { 1.00 }   |  |             |            |  |             |             |    |
| SULFATE          | PPB   | 500.00                      |                         | 12/29/87    | 03700.00   |  | 08/18/87    | 10000.00   |  | 08/18/87    | 170000.00   |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    | 170000.00   |    |
| TC               | PPB   |                             |                         | 12/29/87    | 30500.00 0 |  | 08/18/87    | 20000.00 0 |  | 08/18/87    | 32000.00 0  |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    | 34100.00 0  |    |
| TC-09            | PCI/L | 15.00                       | 900.00                  | 09/15/87    | 13700.00 * |  |             | NR         |  | 08/18/87    | 05.00       |    |
|                  |       |                             |                         |             | { 28.00 }  |  |             |            |  |             | { 2.15 }    |    |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 12/29/87    | 26.00 *    |  | 08/18/87    |            |  | 08/18/87    | 10.00 *     |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    | 12.00 *     |    |
| TOC              | PPB   | 1000.00                     |                         | 12/29/87    |            |  | 08/18/87    | 0020.00    |  | 08/18/87    | 2330.00     |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    |             |    |
| TOXLDL           | PPB   | 20.00                       |                         | 12/29/87    | 28.00      |  | 08/18/87    |            |  | 08/18/87    | 00.00       |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    | 101.00      |    |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 12/29/87    |            |  | 08/18/87    |            |  | 08/18/87    | 91.00 *     |    |
|                  |       |                             |                         |             | NR         |  |             | NR         |  | 12/09/87    | 34.00 *     |    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/20/87    | 2300.00    |  | 08/18/87    | 33000.00 * |  | 08/18/87    | 250000.00 * |    |
|                  |       |                             |                         |             | { 259.00 } |  |             | { 705.00 } |  |             | { 1910.00 } |    |
|                  |       |                             |                         | 08/13/87    | 2000.00    |  | 11/01/87    | 20000.00 * |  | 12/09/87    | 233000.00 * |    |
|                  |       |                             |                         |             | { 272.00 } |  |             | { 651.00 } |  |             | { 1500.00 } |    |
|                  |       |                             |                         | 09/15/87    | 1900.00    |  |             | NR         |  |             | NR          |    |
|                  |       |                             |                         |             | { 269.00 } |  |             |            |  |             |             |    |

C.111

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-24              |          | 2-W22-12          |                      | 2-W22-20   |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------------|----------|-------------------|----------------------|--|----------|
|                  |       |                             |                         |             | SAMPLE DATE           | 2-W19-24 | SAMPLE DATE       | 2-W22-12             | SAMPLE DATE  | 2-W22-20 |
| ALKALIN          |       |                             |                         | 12/29/87    | 130000.00 0<br>NR     | 08/18/87 | 110000.00 0<br>NR | 08/18/87<br>12/09/87 | 133000.00 0<br>134000.00 0                               |          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/20/87    | 495.00 +<br>{ 9.14}   | 08/18/87 | 1.68<br>{ 1.15}   | 08/18/87<br>12/09/87 | 11.10<br>{ 4.44}<br>18.00 +<br>{ 5.42}<br>NR<br>NR<br>NR |          |
|                  |       |                             |                         | 08/13/87    | 490.00 +<br>{ 15.00}  |          | NR                |                      |  |          |
|                  |       |                             |                         | 09/15/87    | 422.00 +<br>{ 13.50}  |          | NR                |                      |  |          |
|                  |       |                             |                         | 10/12/87    | 432.00 +<br>{ 14.00}  |          | NR                |                      |  |          |
|                  |       |                             |                         | 12/29/87    | 370.00 +<br>{ 32.10}  |          | NR                |                      |  |          |
|                  |       |                             |                         | 12/29/87    | 252.00                |          | NR                |                      | NR   |          |
| ALUMNUM          | PPB   | 150.00                      |                         | 12/29/87    | 16.00                 |          | NR                |                      | NR   |          |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/29/87    | 255.00                |          | NR                |                      | NR   |          |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 12/29/87    | 800.00 +<br>{ 23.40}  | 08/18/87 | 8.84<br>{ 3.86}   | 08/18/87             | 36.00<br>{ 8.91}   |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/20/87    | 1230.00 +<br>{ 40.50} | 08/18/87 | 6.50<br>{ 2.02}   | 08/18/87             | 37.00<br>{ 4.64}   |          |
|                  |       |                             |                         | 08/13/87    | 1210.00 +<br>{ 40.20} | 11/01/87 | 6.10<br>{ 1.93}   | 12/09/87             | 42.00<br>{ 7.28}   |          |
|                  |       |                             |                         | 09/16/87    | 1440.00 +<br>{ 43.90} |          | NR                | 12/09/87             | 33.00<br>{ 4.31}   |          |
|                  |       |                             |                         | 10/12/87    | 1350.00 +<br>{ 41.00} |          | NR                |                      | NR   |          |
|                  |       |                             |                         | 12/29/87    | NR                    |          | NR                | 08/18/87             | 4.71 0<br>{ 2.04}  |          |
| C 14             | PCI/L |                             |                         |             |                       |          | NR                |                      | NR   |          |
| CALCIUM          | PPB   | 50.00                       |                         | 12/29/87    | 321000.00             |          | NR                |                      | NR   |          |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 12/29/87    |                       | 08/18/87 |                   | 08/18/87<br>12/09/87 | 12.00<br>10.00   |          |

C.112

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-24             | SAMPLE DATE | 2-W22-12 | SAMPLE DATE | 2-W22-20 |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|-------------|----------|-------------|----------|
|                  |       |                             |                         |             |                      |             |          |             |          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 10/12/87    | 1700.00<br>{ 253.00} |             | NR       |             | NR       |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR                   | 08/18/87    | 1.00     | 08/18/87    | 3.00     |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/20/87    | 233.00 *<br>{ 5.05}  |             | NR       |             | NR       |
|                  |       |                             |                         | 08/13/87    | 217.00 *<br>{ 19.10} |             | NR       |             | NR       |
|                  |       |                             |                         | 09/15/87    | 203.00 *<br>{ 5.94}  |             | NR       |             | NR       |
|                  |       |                             |                         | 10/12/87    | 217.00 *<br>{ 5.02}  |             | NR       |             | NR       |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/20/87    | 10.70<br>{ 1.26}     |             | NR       |             | NR       |
|                  |       |                             |                         | 08/13/87    | 0.32<br>{ 3.76}      |             | NR       |             | NR       |
|                  |       |                             |                         | 09/15/87    | 10.00<br>{ 1.32}     |             | NR       |             | NR       |
|                  |       |                             |                         | 10/12/87    | 10.00<br>{ 1.29}     |             | NR       |             | NR       |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/20/87    | 243.00 *<br>{ 5.97}  |             | NR       |             | NR       |
|                  |       |                             |                         | 08/13/87    | 240.00 *<br>{ 20.10} |             | NR       |             | NR       |
|                  |       |                             |                         | 09/15/87    | 214.00 *<br>{ 6.09}  |             | NR       |             | NR       |
|                  |       |                             |                         | 10/12/87    | 231.00 *<br>{ 6.01}  |             | NR       |             | NR       |
| U-236            | PCI/L | 0.10                        | 500.00                  | 09/15/87    | 4.04<br>{ 0.08}      |             | NR       |             | NR       |
| U-CHEM           | UQ/L  | 0.73                        |                         | 07/20/87    | 800.00               |             | NR       |             | NR       |
|                  |       |                             |                         | 08/13/87    | 671.00               |             | NR       |             | NR       |
|                  |       |                             |                         | 09/15/87    | 830.00               |             | NR       |             | NR       |
|                  |       |                             |                         | 10/12/87    | 630.00               |             | NR       |             | NR       |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.113

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-W19-24 | SAMPLE<br>DATE | 2-W22-12 | SAMPLE<br>DATE | 2-W22-20 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|----------|
| VANADUM             | PPB   | 5.00                              |                               | 12/29/87       | 58.00    |                | NR       |                | NR       |
| ZINC                | PPB   | 5.00                              |                               | 12/29/87       | 787.00   |                | NR       |                | NR       |

C.114

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W22-22         | SAMPLE DATE | 2-W22-26          | SAMPLE DATE          | 2-W23-10                   |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|-------------------|----------------------|----------------------------|
|                  |       |                             |                         | -----       | -----            | -----       | -----             | -----                | -----                      |
| ALKALIN          |       |                             |                         | 07/23/87    | 98500.00 0<br>NR | 08/18/87    | 101000.00 0<br>NR | 07/24/87<br>10/13/87 | 100000.00 0<br>113000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/23/87    |                  | 08/18/87    | 4.17<br>{ 1.75}   | 07/24/87             | 18.10 +<br>{ 3.34}         |
|                  |       |                             |                         | 07/23/87    | 0.46<br>{ 0.36}  |             | NR                | 07/24/87             | 42.40 +<br>{ 2.76}         |
|                  |       |                             |                         | 08/18/87    | 0.67<br>{ 0.46}  |             | NR                | 08/18/87             | 33.20 +<br>{ 2.45}         |
|                  |       |                             |                         | 09/16/87    | 1.13<br>{ 0.49}  |             | NR                | 09/16/87             | 38.70 +<br>{ 2.60}         |
|                  |       |                             |                         | 10/12/87    |                  |             | NR                | 10/13/87             | 26.90 +<br>{ 4.29}         |
|                  |       |                             |                         | 11/19/87    | 0.46<br>{ 0.34}  |             | NR                | 10/13/87             | 44.70 +<br>{ 2.83}         |
|                  |       |                             |                         | 12/08/87    |                  |             | NR                | 11/17/87             | 44.50 +<br>{ 2.83}         |
|                  |       |                             |                         |             | NR               |             | NR                | 12/08/87             | 39.50 +<br>{ 2.66}         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/23/87    | 4.27<br>{ 3.58}  | 08/18/87    | 17.20<br>{ 4.77}  | 07/24/87             | 32.70<br>{ 8.17}           |
|                  |       |                             |                         | 07/23/87    | 3.50<br>{ 1.55}  | 08/18/87    | 21.30<br>{ 3.20}  | 07/24/87             | 27.30<br>{ 3.81}           |
|                  |       |                             |                         | 08/18/87    | 3.82<br>{ 1.83}  | 12/01/87    | 12.70<br>{ 2.50}  | 08/18/87             | 28.20<br>{ 3.84}           |
|                  |       |                             |                         | 09/16/87    |                  |             | NR                | 09/16/87             | 21.60<br>{ 3.21}           |
|                  |       |                             |                         | 10/12/87    | 4.02<br>{ 1.61}  |             | NR                | 10/13/87             | 22.30<br>{ 5.28}           |
|                  |       |                             |                         | 11/19/87    | 4.41<br>{ 1.71}  |             | NR                | 10/13/87             | 15.10<br>{ 2.88}           |
|                  |       |                             |                         | 12/08/87    | 4.20<br>{ 1.72}  |             | NR                | 11/17/87             | 13.50<br>{ 2.73}           |
|                  |       |                             |                         |             | NR               |             | NR                | 12/08/87             | 13.20<br>{ 2.66}           |
| CHLORID          | PPB   | 500.00                      |                         | 07/23/87    | 10100.00         | 08/18/87    | 6350.00           | 07/24/87             | 3300.00                    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.115

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE  |                 |          | SAMPLE DATE          |  |                      |
|------------------|-------|-----------------------------|-------------------------|--|-----------------|----------|----------------------|--|----------------------|
|                  |       |                             |                         | 2-W22-22   | 2-W22-28        | 2-W23-10 | 2-W22-22             | 2-W22-28   | 2-W23-10             |
| CHLORID          | PPB   | 500.00                      |                         |  | NR              |          | NR                   | 10/13/87   | 3520.00              |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87<br>08/18/87<br>09/16/87<br>10/12/87<br>11/19/87<br>12/08/87 | 7.30<br>{ 5.96} |          | NR<br>NR<br>NR<br>NR | 08/18/87<br>07/24/87<br>08/18/87<br>09/16/87<br>10/13/87<br>11/17/87<br>12/08/87 |                      |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/23/87   | 248.00<br>NR    |          | NR<br>NR             | 08/18/87<br>07/24/87<br>10/13/87   | 533.00               |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/23/87<br>08/18/87<br>09/16/87<br>10/12/87<br>11/19/87<br>12/08/87 |                 |          | NR<br>NR<br>NR       | 08/18/87<br>07/24/87<br>08/18/87<br>09/16/87<br>10/13/87<br>11/17/87<br>12/08/87 | 5.00<br>{ 5.57}      |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/23/87   | 22.00<br>NR     |          | NR<br>NR             | 08/18/87<br>07/24/87<br>10/13/87   | 66.00<br>74.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/23/87   | 29700.00<br>NR  |          | NR<br>NR             | 08/18/87<br>07/24/87<br>10/13/87   | 56000.00<br>55500.00 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/23/87   | 585.00<br>NR    |          | NR                   | 08/18/87<br>07/24/87<br>10/13/87   |                      |
| FMAGNES          | PPB   | 0.00                        |                         | 07/23/87   | 10100.00<br>NR  |          | NR<br>NR             | 08/18/87<br>07/24/87<br>10/13/87   | 19500.00<br>21000.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 07/23/87   | 10.00<br>NR     |          | NR                   | 08/18/87<br>07/24/87<br>10/13/87   |                      |
| FPOTASS          | PPB   | 100.00                      |                         | 07/23/87   | 3280.00<br>NR   |          | NR<br>NR             | 08/18/87<br>07/24/87<br>10/13/87   | 4210.00<br>5890.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 07/23/87   | 11000.00        |          |                      | 08/18/87<br>07/24/87   | 20400.00             |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.116

TABLE C.3. (contd)

C.117

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE  | 2-#22-22                                       | SAMPLE DATE          | 2-#22-28   | SAMPLE DATE  | 2-#23-18   |
|------------------|-------|-----------------------------|-------------------------|--|--|----------------------|--|--|--|
| FSDDIUM          | PPB   | 100.00                      |                         |  | NR   |                      | NR   | 10/13/87   | 26200.00   |
| FVANADI          | PPB   | 5.00                        |                         | 07/23/87   | 9.00<br>NR                                     | 08/18/87             | 31.00<br>NR  | 07/24/87<br>10/13/87   | 15.00<br>20.00   |
| FZINC            | PPB   | 5.00                        |                         | 07/23/87   | NR   | 08/18/87             | NR   | 07/24/87<br>10/13/87   | 22.00  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87<br>08/18/87<br>09/16/87<br>10/12/87<br>11/19/87<br>12/08/87 | 3000.00<br>4000.00                             |                      | NR<br>NR<br>NR<br>NR<br>NR<br>NR                     | 07/24/87<br>08/18/87<br>09/16/87<br>10/13/87<br>11/17/87<br>12/08/87 | 211000.00 *<br>223000.00 *<br>228000.00 *<br>183000.00 *<br>170000.00 *<br>130000.00 * |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/23/87   | 400.00<br>NR                                   | 08/18/87             | 455.00<br>NR   | 07/24/87<br>10/13/87   | 218.00<br>228.00   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/23/87   | 1320.00<br>NR                                  | 08/18/87             | 9000.00<br>NR  | 07/24/87<br>10/13/87   | 210000.00 *<br>180000.00 *   |
| PH-LAB           |       | 0.01                        |                         | 07/23/87   | 7.00<br>NR                                     | 08/18/87             | 7.75<br>NR   | 07/24/87<br>10/13/87   | 7.55<br>7.00   |
| PHFIELD          |       | 0.10                        |                         | 07/23/87   | 0.90<br>NR                                     | 08/18/87             | 5.10<br>NR   | 07/24/87<br>10/13/87   | 7.10   |
| SULFATE          | PPB   | 500.00                      |                         | 07/23/87   | 19700.00<br>NR                                 | 08/18/87             | 18500.00<br>NR                                       | 07/24/87<br>10/13/87   | 12200.00<br>12700.00   |
| TC               | PPB   |                             |                         | 07/23/87   | 23800.00 0                                     | 08/18/87             | 23400.00 0   | 07/24/87   | 20400.00 0   |
| TC-99            | PCI/L | 15.00                       | 900.00                  |  | NR   | 08/18/87             | 102.00<br>{ 2.27 }                                   |  | NR   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87<br>08/18/87   | 1970.00<br>{ 240.00 }<br>1800.00<br>{ 217.00 } | 08/18/87<br>12/01/87 | 25000.00 *<br>{ 830.00 }<br>31400.00 *<br>{ 090.00 } | 07/24/87<br>08/18/87   | 021000.00 *<br>{ 0400.00 }<br>700000.00 *<br>{ 3330.00 }                               |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

C.118

| CONSTITUENT<br>NAME | UNITS      | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-W22-22    |          | 2-W22-26 |          | 2-W23-10    |  |
|---------------------|------------|-----------------------------------|-------------------------------|----------------|-------------|----------|----------|----------|-------------|--|
|                     |            |                                   |                               |                |             |          |          |          |             |  |
| TRITIUM             | PCI/L      | 500.00                            | 20000.00                      | 09/18/87       | 1660.00     |          | NR       | 09/18/87 | 770000.00 * |  |
|                     |            |                                   |                               |                | { 248.00 }  |          |          |          | { 3310.00 } |  |
|                     |            |                                   |                               | 10/12/87       | 1030.00     |          | NR       | 10/13/87 | 723000.00 * |  |
|                     |            |                                   |                               |                | { 254.00 }  |          |          |          | { 3190.00 } |  |
|                     |            |                                   |                               | 11/19/87       | 1930.00     |          | NR       | 11/17/87 | 796000.00 * |  |
|                     | { 258.00 } |                                   |                               |                | { 2940.00 } |          |          |          |             |  |
|                     |            |                                   |                               | 12/08/87       | 1590.00     |          | NR       | 12/08/87 | 706000.00 * |  |
|                     |            |                                   |                               |                | { 205.00 }  |          |          |          | { 2710.00 } |  |
| U                   | PCI/L      | 0.50                              | 600.00                        |                | NR          | 08/18/87 | 5.28     |          | NR          |  |
| U 234               | PCI/L      | 0.10                              | 32.00                         |                | NR          |          | NR       | 07/24/87 | 21.70       |  |
|                     |            |                                   |                               |                |             |          |          |          | { 0.47 }    |  |
| U 235               | PCI/L      | 0.10                              | 32.00                         |                | NR          |          | NR       | 07/24/87 | 1.32        |  |
|                     |            |                                   |                               |                |             |          |          |          | { 0.12 }    |  |
| U 238               | PCI/L      | 0.10                              | 4.80                          |                | NR          |          | NR       | 07/24/87 | 23.00 *     |  |
|                     |            |                                   |                               |                |             |          |          |          | { 0.49 }    |  |
| U-CHEM              | UG/L       | 0.73                              |                               | 07/23/87       |             |          | NR       | 07/24/87 | 44.20       |  |
|                     |            |                                   |                               | 08/18/87       | 1.19        |          | NR       | 08/16/87 | 45.00       |  |
|                     |            |                                   |                               | 09/18/87       | 1.04        |          | NR       | 09/18/87 | 50.10       |  |
|                     |            |                                   |                               | 10/12/87       |             |          | NR       | 10/13/87 | 61.30       |  |
|                     |            |                                   |                               | 11/19/87       |             |          | NR       | 11/17/87 | 60.70       |  |
|                     |            |                                   |                               | 12/08/87       | 0.93        |          | NR       | 12/08/87 | 58.20       |  |
|                     |            |                                   |                               |                |             |          |          |          |             |  |

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 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W27-1     | SAMPLE DATE | 4-S1-7C     | SAMPLE DATE | 4-S1-8A     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----       | -----       | -----       |
| ALKALIN          |       |                             |                         | 07/24/87    | 125000.00 0 | 07/28/87    | 259000.00 0 | 07/28/87    | 131000.00 0 |
|                  |       |                             |                         | 10/15/87    | 134000.00 0 |             | NR          |             | NR          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/23/87    | 6.13        | 07/28/87    | 3.76        | 07/28/87    | 3.47        |
|                  |       |                             |                         |             | { 1.08}     |             | { 2.01}     |             | { 1.69}     |
|                  |       |                             |                         | 07/24/87    | 4.72        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 2.29}     |             |             |             |             |
|                  |       |                             |                         | 08/18/87    | 7.42        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.12}     |             |             |             |             |
|                  |       |                             |                         | 09/18/87    | 5.30        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 0.98}     |             |             |             |             |
|                  |       |                             |                         | 10/12/87    | 9.06        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.29}     |             |             |             |             |
|                  |       |                             |                         | 10/15/87    | 4.04        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.08}     |             |             |             |             |
|                  |       |                             |                         | 11/17/87    | 7.67        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.17}     |             |             |             |             |
|                  |       |                             |                         | 12/08/87    | 9.49        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.30}     |             |             |             |             |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/23/87    | 8.83        | 07/28/87    | 28.40       | 07/28/87    | 23.50       |
|                  |       |                             |                         |             | { 2.33}     |             | { 6.15}     |             | { 5.43}     |
|                  |       |                             |                         | 07/24/87    | 34.70       |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 0.26}     |             |             |             |             |
|                  |       |                             |                         | 08/18/87    | 5.72        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.90}     |             |             |             |             |
|                  |       |                             |                         | 09/16/87    | 7.66        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 2.22}     |             |             |             |             |
|                  |       |                             |                         | 10/12/87    | 5.06        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.83}     |             |             |             |             |
|                  |       |                             |                         | 10/15/87    | 7.77        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 4.02}     |             |             |             |             |
|                  |       |                             |                         | 11/17/87    | 7.04        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 2.19}     |             |             |             |             |
|                  |       |                             |                         | 12/08/87    | 8.63        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 2.27}     |             |             |             |             |
| CHLORID          | PPB   | 500.00                      |                         | 07/24/87    | 12000.00    | 07/28/87    | 13000.00    | 07/28/87    | 16100.00    |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPPSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W27-1  | SAMPLE DATE | 4-S1-7C  | SAMPLE DATE | 4-S1-8A  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| CHLORID          | PPB   | 500.00                      |                         | 10/15/87    | 11000.00 |             | NR       |             | NR       |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    |          | 07/28/87    |          | 07/28/87    | 6.42     |
|                  |       |                             |                         | 10/12/87    | 12.20    | 07/28/87    |          | 11/20/87    | { 5.24 } |
|                  |       |                             |                         |             | { 7.70 } |             |          |             | { 7.48 } |
|                  |       |                             |                         |             | NR       | 11/20/87    | 6.78     |             | { 5.68 } |
|                  |       |                             |                         |             | NR       | 11/20/87    | { 5.53 } |             | NR       |
| CDNDFLD          | UMHO  | 1.00                        |                         | 07/24/87    | 512.00   | 07/28/87    | 621.00   | 07/28/87    | 458.00   |
|                  |       |                             |                         | 10/15/87    | 492.00   |             | NR       |             | NR       |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/23/87    | 5.51     | 07/28/87    |          | 07/28/87    |          |
|                  |       |                             |                         | 10/12/87    | { 3.90 } | 07/28/87    |          | 11/20/87    |          |
|                  |       |                             |                         |             | NR       | 11/20/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/20/87    |          |             | NR       |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/24/87    | 41.00    |             | NR       | 07/28/87    | 42.00    |
|                  |       |                             |                         | 10/15/87    | 36.00    |             | NR       |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/24/87    | 49000.00 |             | NR       | 07/28/87    | 40000.00 |
|                  |       |                             |                         | 10/15/87    | 49000.00 |             | NR       |             | NR       |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/24/87    | 13.00    |             | NR       | 07/28/87    |          |
|                  |       |                             |                         | 10/15/87    | 18.00    |             | NR       |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/24/87    |          | 07/28/87    | 581.00   | 07/28/87    | 535.00   |
|                  |       |                             |                         | 10/15/87    | 506.00   |             | NR       |             | NR       |
| FMAGNES          | PPB   | 0.00                        |                         | 07/24/87    | 13700.00 |             | NR       | 07/28/87    | 13000.00 |
|                  |       |                             |                         | 10/15/87    | 13700.00 |             | NR       |             | NR       |
| FPO TASS         | PPB   | 100.00                      |                         | 07/24/87    | 5170.00  |             | NR       | 07/28/87    | 6060.00  |
|                  |       |                             |                         | 10/15/87    | 6240.00  |             | NR       |             | NR       |
| FSELENI          | PPB   | 5.00                        | 10.00                   | 07/24/87    | 50.00 *  |             | NR       | 07/28/87    |          |
|                  |       |                             |                         | 10/15/87    | 46.00 *  |             | NR       |             | NR       |

C.120

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |            | SAMPLE DATE |         |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|---------|
|                  |       |                             |                         | 2-W27-1     | 4-S1-7C     | 4-S1-7C     | 4-S1-8A    |             |         |
| FSODIUM          | PPB   | 100.00                      |                         | 07/24/87    | 31700.00    | NR          | 07/28/87   | 22500.00    |         |
|                  |       |                             |                         | 10/15/87    | 34000.00    | NR          | NR         |             |         |
| FYANADI          | PPB   | 5.00                        |                         | 07/24/87    | 13.00       | NR          | 07/28/87   | 10.00       |         |
|                  |       |                             |                         | 10/15/87    | 18.00       | NR          | NR         |             |         |
| FZINC            | PPB   | 5.00                        |                         | 07/24/87    |             | NR          | 07/28/87   | 10.00       |         |
|                  |       |                             |                         | 10/15/87    |             | NR          | NR         |             |         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/24/87    | 110000.00 * | NR          |            | NR          |         |
|                  |       |                             |                         | 10/12/87    | 78200.00 *  | NR          |            | NR          |         |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 07/24/87    | 200.00      | 07/28/87    | 210.00     | 380.00      |         |
|                  |       |                             |                         | 10/15/87    | 225.00      | NR          | NR         |             |         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/24/87    | 100000.00 * | 07/28/87    | 24500.00   | 25000.00    |         |
|                  |       |                             |                         | 10/15/87    | 82600.00 *  | NR          | NR         |             |         |
| PH-LAB           |       | 0.01                        |                         | 07/24/87    | 7.00        | 07/28/87    | 7.20       | 7.01        |         |
|                  |       |                             |                         | 10/15/87    | 7.00        | NR          | NR         |             |         |
| PHFIELD          |       | 0.10                        |                         | 07/24/87    | 7.40        | 07/28/87    | 6.90       | 7.00        |         |
|                  |       |                             |                         | 10/15/87    | 7.40        | NR          | NR         |             |         |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 07/23/87    | 102.00 *    | 07/28/87    |            | 07/28/87    |         |
|                  |       |                             |                         | 10/12/87    | { 49.50 }   | 07/28/87    |            | 11/20/87    | 59.00 * |
|                  |       |                             |                         |             |             | NR          | 11/20/87   | { 49.00 }   | NR      |
|                  |       |                             |                         |             |             | NR          | 11/20/87   | NR          | NR      |
| SULFATE          | PPB   | 500.00                      |                         | 07/24/87    | 83500.00    | 07/28/87    | 89500.00   | 60000.00    |         |
|                  |       |                             |                         | 10/15/87    | 82600.00    | NR          | NR         |             |         |
| TC               | PPB   |                             |                         | 07/24/87    | 29100.00 0  | 07/28/87    | 64100.00 0 | 30300.00 0  |         |
|                  |       |                             |                         | 10/15/87    | 31800.00 0  | NR          | NR         |             |         |
| TOC              | PPB   | 1000.00                     |                         | 07/24/87    | 3050.00     | 07/28/87    | 07/28/87   |             |         |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.121

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W27-1 | SAMPLE DATE | 4-S1-7C     | SAMPLE DATE | 4-S1-8A     |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|-------------|-------------|-------------|
| TDC              | PPB   | 1000.00                     |                         | 10/15/87    |         |             | NR          |             | NR          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    |         | 07/28/87    | 79500.00 *  | 07/28/87    | 83100.00 *  |
|                  |       |                             |                         | 10/12/87    |         | 07/28/87    | { 1000.00 } | 11/20/87    | { 1000.00 } |
|                  |       |                             |                         |             | NR      | 11/20/87    | 77800.00 *  |             | 82000.00 *  |
|                  |       |                             |                         |             |         |             | { 1000.00 } |             | { 1100.00 } |
|                  |       |                             |                         |             | NR      | 11/20/87    | 81700.00 *  |             | NR          |
|                  |       |                             |                         |             | NR      | 11/20/87    | { 954.00 }  |             | NR          |
|                  |       |                             |                         |             |         |             | 80100.00 *  |             |             |
|                  |       |                             |                         |             |         |             | { 945.00 }  |             |             |
| U-CHEM           | UQ/L  | 0.73                        |                         | 07/23/87    | 0.31    |             | NR          |             | NR          |
|                  |       |                             |                         | 10/12/87    | 0.30    |             | NR          |             | NR          |

C.122

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TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE DATE               |          | SAMPLE<br>DATE     | SAMPLE<br>DATE |                  |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------------------------|----------|--------------------|----------------|------------------|
|                     |       |                                   |                               |                | 4-S1-88                   | 8-2-3    |                    |                |                  |
| ALKALIN             |       |                                   |                               | 11/20/87       | 254000.00 0               | 09/09/87 | 121000.00 0        | 08/24/87       | 135000.00 0      |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 11/20/87       | { 4.69<br>2.27 }          | 09/09/87 | { 2.25<br>1.39 }   | 08/24/87       | { 2.69<br>1.33 } |
| AMMONIU             | PPB   | 50.00                             |                               | 11/20/87       |                           | 09/09/87 |                    | 08/24/87       | 77.00            |
| BETA                | PCI/L | 8.00                              | 50.00                         | 07/23/87       | 27.30                     | 09/09/87 | 27.90              | 08/24/87       |                  |
|                     |       |                                   |                               | 11/20/87       | { 3.93<br>26.20<br>3.80 } |          | { NR<br>NR<br>NR } |                | NR               |
|                     |       |                                   |                               | 11/20/87       | { 28.70<br>5.94 }         |          | NR                 |                | NR               |
| CHLORID             | PPB   | 500.00                            |                               | 11/20/87       | 15600.00                  | 09/09/87 | 9930.00            | 08/24/87       | 5830.00          |
| CO-60               | PCI/L | 22.50                             | 100.00                        | 07/23/87       | 9.64                      | 09/09/87 | 5.68               |                | NR               |
|                     |       |                                   |                               | 11/20/87       | { 8.43 }                  | 10/25/87 |                    |                | NR               |
| CONDFLD             | UMHD  | 1.00                              |                               | 11/20/87       | 849.00                    | 09/09/87 | 321.00             | 08/24/87       | 294.00           |
| CS-137              | PCI/L | 20.00                             | 200.00                        | 07/23/87       |                           | 09/09/87 |                    |                | NR               |
|                     |       |                                   |                               | 11/20/87       | { 3.18<br>2.84 }          | 10/25/87 |                    |                | NR               |
| FARSENI             | PPB   | 5.00                              | 50.00                         | 11/20/87       | 5.00                      | 09/09/87 |                    | 08/24/87       |                  |
| FBARIUM             | PPB   | 6.00                              | 1000.00                       | 11/20/87       | 84.00                     | 09/09/87 | 46.00              | 08/24/87       | 31.00            |
| FCALCIU             | PPB   | 50.00                             |                               | 11/20/87       | 79100.00                  | 09/09/87 | 38900.00           | 08/24/87       | 33800.00         |
| FIRON               | PPB   | 50.00                             |                               | 11/20/87       | 112.00                    | 09/09/87 |                    | 08/24/87       | 61.00            |
| FMAGNES             | PPB   | 0.00                              |                               | 11/20/87       | 21000.00                  | 09/09/87 | 11100.00           | 08/24/87       | 11000.00         |
| FMANGAN             | PPB   | 5.00                              |                               | 11/20/87       | 12.00                     | 09/09/87 |                    | 08/24/87       | 9.00             |
| FPDTASS             | PPB   | 100.00                            |                               | 11/20/87       | 8290.00                   | 09/09/87 | 5870.00            | 08/24/87       | 4250.00          |

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TABLE C.3. (contd)

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| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 4-S1-88   | SAMPLE DATE          | 6-2-9  | SAMPLE DATE          | 6-2-33A    |
|------------------|-------|-----------------------------|-------------------------|----------------------|---|----------------------|--|----------------------|------------|
| FSODIUM          | PPB   | 100.00                      |                         | 11/20/87             | 26000.00  | 09/09/87             | 18800.00   | 08/24/87             | 11800.00   |
| FSTRONT          | PPB   | 300.00                      |                         | 11/20/87             | 398.00  | 09/09/87             |  | 08/24/87             |            |
| FVANADI          | PPB   | 5.00                        |                         | 11/20/87             | 10.00   | 09/09/87             | 18.00  | 08/24/87             | 11.00      |
| FZINC            | PPB   | 5.00                        |                         | 11/20/87             | 12.00   | 09/09/87             | 5.00   | 08/24/87             |            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87<br>11/20/87 | 25800.00<br>25500.00                                  |                      | NR<br>NR   |                      | NR<br>NR   |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/20/87             | 235.00  | 09/09/87             | 300.00   | 08/24/87             | 304.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/20/87             | 27700.00  | 09/09/87             | 29800.00   | 08/24/87             | 2810.00    |
| PH-LAB           |       | 0.01                        |                         | 11/20/87             | 7.46  | 09/09/87             | 8.64   | 08/24/87             | 7.45       |
| PHFIELD          |       | 0.10                        |                         | 11/20/87             | 8.70  | 09/09/87             | 7.20   | 08/24/87             | 6.70       |
| SULFATE          | PPB   | 500.00                      |                         | 11/20/87             | 59700.00  | 09/09/87             | 54200.00   | 08/24/87             | 33500.00   |
| TC               | PPB   |                             |                         | 11/20/87             | 00200.00 0  | 09/09/87             | 28800.00 0   | 08/24/87             | 31900.00 0 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87<br>11/20/87 | 03800.00 *<br>{ 1100.00 }<br>87000.00 *<br>{ 984.00 } | 09/09/87<br>10/25/87 | 107000.00 *<br>{ 1240.00 }<br>108000.00 *<br>{ 1250.00 } | 08/24/87<br>10/25/87 |            |

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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-8-25      |    | 6-9-E2   |             | SAMPLE DATE | 6-10-E12    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----|----------|-------------|-------------|-------------|
|                  |       |                             |                         |             |             |    |          |             |             |             |
| ALKALIN          |       |                             |                         | 08/24/87    | 163000.00 0 | NR | 08/24/87 | 129000.00 0 | 10/27/87    | 258000.00 0 |
|                  |       |                             |                         |             |             |    | 10/27/87 | 134000.00 0 |             | NR          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/24/87    | 4.07        | {  | 08/24/87 | 1.53        | 10/27/87    | 1.59        |
|                  |       |                             |                         |             | 2.02}       |    |          | {           |             | 1.33}       |
|                  |       |                             |                         |             | NR          |    | 10/27/87 | 1.71        |             | NR          |
|                  |       |                             |                         |             |             |    |          | {           |             |             |
|                  |       |                             |                         |             |             |    |          | 1.19}       |             |             |
| AMMONIU          | PPB   | 50.00                       |                         | 08/24/87    |             |    | 08/24/87 | 240.00      | 10/27/87    |             |
|                  |       |                             |                         |             |             |    |          | 88.00       |             | NR          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/24/87    | 19.10       | {  | 08/24/87 | 5.85        | 10/27/87    | 9.60        |
|                  |       |                             |                         |             | 5.20}       |    |          | {           |             | 4.20}       |
|                  |       |                             |                         |             | NR          |    | 10/27/87 | 4.20        |             | NR          |
|                  |       |                             |                         |             |             |    |          | {           |             |             |
|                  |       |                             |                         |             |             |    |          | 3.59}       |             |             |
| CHLORID          | PPB   | 500.00                      |                         | 08/24/87    | 10100.00    | NR | 08/24/87 | 4500.00     | 10/27/87    | 9770.00     |
|                  |       |                             |                         |             |             |    |          | 4040.00     |             | NR          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/24/87    | 380.00      | NR | 08/24/87 | 250.00      | 10/27/87    | 494.00      |
|                  |       |                             |                         |             |             |    |          | 291.00      |             | NR          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/24/87    | 7.00        | NR | 08/24/87 | 10.00       | 10/27/87    |             |
|                  |       |                             |                         |             |             |    |          | 16.00       |             | NR          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/24/87    | 46.00       | NR | 08/24/87 | 44.00       | 10/27/87    | 67.00       |
|                  |       |                             |                         |             |             |    |          | 36.00       |             | NR          |
| FCALCIU          | PPB   | 50.00                       |                         | 08/24/87    | 40700.00    | NR | 08/24/87 | 21700.00    | 10/27/87    | 69400.00    |
|                  |       |                             |                         |             |             |    |          | 23000.00    |             | NR          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/24/87    |             | NR | 08/24/87 |             | 10/27/87    | 520.00      |
|                  |       |                             |                         |             |             |    |          | 500.00      |             | NR          |
| FMAGNES          | PPB   | 0.00                        |                         | 08/24/87    | 12400.00    | NR | 08/24/87 | 10100.00    | 10/27/87    | 24500.00    |
|                  |       |                             |                         |             |             |    |          | 9800.00     |             | NR          |
| FMANGAN          | PPB   | 5.00                        |                         | 08/24/87    |             |    | 08/24/87 | 20.00       | 10/27/87    |             |

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.125

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-8-25         | SAMPLE DATE          | 6-9-E2               | SAMPLE DATE          | 6-10-E12             |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------|----------------------|----------------------|----------------------|----------------------|
| FMANGAN          | PPB   | 5.00                        |                         |             | NR             | 10/27/87             | 24.00                |                      | NR                   |
| FPOTASS          | PPB   | 100.00                      |                         | 08/24/87    | 6600.00<br>NR  | 08/24/87<br>10/27/87 | 6370.00<br>6270.00   | 10/27/87             | 6800.00<br>NR        |
| FSODIUM          | PPB   | 100.00                      |                         | 08/24/87    | 21000.00<br>NR | 08/24/87<br>10/27/87 | 23500.00<br>24600.00 | 10/27/87             | 19100.00<br>NR       |
| FSTRONT          | PPB   | 300.00                      |                         | 08/24/87    | NR             | 08/24/87<br>10/27/87 |                      | 10/27/87             | 522.00<br>NR         |
| FVANADI          | PPB   | 5.00                        |                         | 08/24/87    | 17.00<br>NR    | 08/24/87<br>10/27/87 |                      | 10/27/87             | 14.00<br>NR          |
| FZINC            | PPB   | 5.00                        |                         | 08/24/87    | NR             | 08/24/87<br>10/27/87 |                      | 10/27/87             | 9.00<br>NR           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR<br>NR       |                      | NR<br>NR             | 07/29/87<br>10/27/87 | 18500.00<br>20300.00 |
| LFLUDRD          | PPB   | 20.00                       | 4000.00                 | 08/24/87    | 460.00<br>NR   | 08/24/87<br>10/27/87 | 400.00<br>420.00     | 10/27/87             | 240.00<br>NR         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/24/87    | 19500.00<br>NR | 08/24/87<br>10/27/87 | 2070.00<br>1470.00   | 10/27/87             | 22900.00<br>NR       |
| PH-LAB           |       | 0.01                        |                         | 08/24/87    | 7.77<br>NR     | 08/24/87<br>10/27/87 | 7.93<br>8.18         | 10/27/87             | 7.84<br>NR           |
| PHFIELD          |       | 0.10                        |                         | 08/24/87    | 7.00<br>NR     | 08/24/87<br>10/27/87 | 7.00<br>7.90         | 10/27/87             | 7.50<br>NR           |
| SULFATE          | PPB   | 500.00                      |                         | 08/24/87    | 55100.00<br>NR | 08/24/87<br>10/27/87 | 20800.00<br>20800.00 | 10/27/87             | 29100.00<br>NR       |
| TC               | PPB   |                             |                         | 08/24/87    | 35500.00<br>NR | 08/24/87<br>10/27/87 | 32100.00<br>34300.00 | 10/27/87             | 69000.00<br>NR       |
| T0C              | PPB   | 1000.00                     |                         | 08/24/87    |                | 08/24/87             | 1370.00              | 10/27/87             |                      |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.126

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-8-25         |              | 8-9-E2         |            | 6-10-E12       |              |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--------------|----------------|------------|----------------|--------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |              | SAMPLE<br>DATE |            | SAMPLE<br>DATE |              |
| TDC                 | PPB   | 1000.00                           |                               |                | NR           | 10/27/87       |            |                | NR           |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/24/87       | 30200.00 *   | 08/24/87       |            | 07/29/87       | 15500.00     |
|                     |       |                                   |                               | 10/25/87       | { 652.00 }   | 10/27/87       | 710.00     | 10/27/87       | { 500.00 }   |
|                     |       |                                   |                               |                | { 34000.00 * |                | { 103.00 } |                | { 10000.00 } |
|                     |       |                                   |                               |                | { 724.00 }   |                |            |                | { 632.00 }   |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-15-26           | SAMPLE DATE | 6-19-43          | SAMPLE DATE | 6-26-E5A          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|------------------|-------------|-------------------|
|                  |       |                             |                         |             |                   |             |                  |             |                   |
| ALKALIN          |       |                             |                         | 09/03/87    | 146000.00 0       | 12/28/87    | 116000.00 0      | 08/28/87    | 116000.00 0       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/03/87    | 3.00<br>{ 1.77 }  | 12/28/87    | 3.51<br>{ 1.62 } | 08/28/87    | 2.93<br>{ 1.32 }  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/03/87    | 24.70<br>{ 5.58 } | 12/28/87    | 8.55<br>{ 3.61 } | 08/28/87    | 17.20<br>{ 4.83 } |
| CHLORID          | PPB   | 500.00                      |                         | 09/03/87    | 8920.00           | 12/28/87    | 7880.00          | 08/28/87    | 8400.00           |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/03/87    | 5.38<br>{ 4.82 }  |             | NR               | 08/25/87    |                   |
|                  |       |                             |                         | 09/03/87    | 9.70<br>{ 8.48 }  |             | NR               | 10/25/87    |                   |
|                  |       |                             |                         | 10/26/87    |                   |             | NR               |             | NR                |
|                  |       |                             |                         | 10/26/87    |                   |             | NR               |             | NR                |
| CONDFLD          | UMHO  | 1.00                        |                         | 09/03/87    | 375.00            | 12/28/87    | 312.00           | 08/28/87    | 304.00            |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/03/87    |                   |             | NR               | 08/25/87    | 5.34<br>{ 3.77 }  |
|                  |       |                             |                         | 09/03/87    |                   |             | NR               | 10/25/87    |                   |
|                  |       |                             |                         | 10/26/87    |                   |             | NR               |             | NR                |
|                  |       |                             |                         | 10/26/87    |                   |             | NR               |             | NR                |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/03/87    |                   | 12/28/87    |                  | 08/28/87    | 8.00              |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 09/03/87    | 52.00             | 12/28/87    | 50.00            | 08/28/87    | 54.00             |
| FCALCIU          | PPB   | 50.00                       |                         | 09/03/87    | 42700.00          | 12/28/87    | 42300.00         | 08/28/87    | 34900.00          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 09/03/87    |                   | 12/28/87    | 574.00           | 08/28/87    |                   |
| FMAGNES          | PPB   | 0.00                        |                         | 09/03/87    | 12600.00          | 12/28/87    | 10700.00         | 08/28/87    | 10300.00          |
| FMANGAN          | PPB   | 5.00                        |                         | 09/03/87    |                   | 12/28/87    | 6.00             | 08/28/87    |                   |
| FPOTASS          | PPB   | 100.00                      |                         | 09/03/87    | 6560.00           | 12/28/87    | 5710.00          | 08/28/87    | 5370.00           |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.128



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                                  | 6-15-28  |                      | 6-19-43              |                      | 6-28-E5A   |       |
|------------------|-------|-----------------------------|-------------------------|--|--|----------------------|----------------------|----------------------|--|-------|
|                  |       |                             |                         |  | SAMPLE DATE  | VALUE                | SAMPLE DATE          | VALUE                | SAMPLE DATE  | VALUE |
| FSODIUM          | PPB   | 100.00                      |                         | 09/03/87                                     | 24200.00   | 12/28/87             | 20100.00             | 08/28/87             | 12900.00   |       |
| FVANADI          | PPB   | 5.00                        |                         | 09/03/87                                     | 19.00  | 12/28/87             | 7.00                 | 08/28/87             | 19.00  |       |
| FZINC            | PPB   | 5.00                        |                         | 09/03/87                                     |  | 12/28/87             | 218.00               | 08/28/87             |  |       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |  | NR<br>NR   | 08/27/87<br>12/28/87 | 12000.00<br>9320.00  |                      | NR<br>NR   |       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/03/87                                     | 480.00   | 12/28/87             | 410.00               | 08/28/87             | 270.00   |       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/03/87                                     | 23000.00   | 12/28/87             | 10100.00             | 08/28/87             | 24400.00   |       |
| PH-LAB           |       | 0.01                        |                         | 09/03/87                                     | 7.80   | 12/28/87             | 7.92                 | 08/28/87             | 8.09   |       |
| PHFIELD          |       | 0.10                        |                         | 09/03/87                                     | 7.40   | 12/28/87             | 7.70                 | 08/28/87             | 7.40   |       |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 09/03/87<br>09/03/87<br>10/28/87<br>10/28/87 | 49.00 *<br>{ 48.90 }   |                      | NR<br>NR<br>NR<br>NR | 08/25/87<br>10/25/87 | 73.50 *<br>{ 60.00 }<br>NR<br>NR                                 |       |
| SULFATE          | PPB   | 500.00                      |                         | 09/03/87                                     | 52100.00   | 12/28/87             | 60400.00             | 08/28/87             | 32600.00   |       |
| TC               | PPB   |                             |                         | 09/03/87                                     | 34000.00 0   | 12/28/87             | 25300.00 0           | 08/28/87             | 26900.00 0   |       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/03/87<br>09/03/87<br>10/28/87<br>10/28/87 | 03100.00 *<br>{ 980.00 }<br>04200.00 *<br>{ 980.00 }<br>04700.00 *<br>{ 975.00 }<br>04200.00 *<br>{ 979.00 } | 08/27/87<br>12/28/87 |                      | 08/25/87<br>10/25/87 | 04800.00 *<br>{ 970.00 }<br>07400.00 *<br>{ 864.00 }<br>NR<br>NR |       |

C.129

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 8-28-28                | SAMPLE DATE          | 8-28-39                            | SAMPLE DATE          | 8-24-33                              |
|------------------|-------|-----------------------------|-------------------------|----------------------|------------------------|----------------------|------------------------------------|----------------------|--------------------------------------|
| 1,1,1-T          | PPB   | 10.00                       | 200.00                  | 08/28/87             | NR                     | 08/25/87<br>11/19/87 |                                    | 08/25/87<br>11/18/87 | 18.00<br>23.00                       |
| ALKALIN          |       |                             |                         | 08/28/87             | 100000.00 0<br>NR      | 08/25/87<br>11/19/87 | 123000.00 0<br>129000.00 0         | 08/25/87<br>11/18/87 | 192000.00 0<br>194000.00 0           |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/28/87             | 2.75<br>{ 1.53}<br>NR  | 08/25/87<br>11/19/87 | 1.61<br>{ 1.19}<br>1.34<br>{ 1.12} | 08/25/87<br>11/18/87 | 2.96<br>{ 1.75}<br>3.88<br>{ 1.82}   |
| AMMONIU          | PPB   | 50.00                       |                         | 08/28/87             | 53.00<br>NR            | 08/25/87<br>11/19/87 |                                    | 08/25/87<br>11/18/87 |                                      |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/28/87             | 29.70<br>{ 5.81}<br>NR | 08/25/87<br>11/19/87 | 9.30<br>{ 4.88}                    | 08/25/87<br>11/18/87 | 14.80<br>{ 4.83}<br>24.90<br>{ 5.48} |
| CHLORID          | PPB   | 500.00                      |                         | 08/28/87             | 14000.00<br>NR         | 08/25/87<br>11/19/87 | 4500.00<br>4540.00                 | 08/25/87<br>11/18/87 | 8200.00<br>8790.00                   |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/28/87<br>10/28/87 | 17.30<br>{ 8.64}       |                      | NR<br>NR                           | 08/25/87<br>11/18/87 |                                      |
| CONDFLD          | UMHD  | 1.00                        |                         | 08/28/87             | 330.00                 | 11/19/87             | 270.00                             | 11/18/87             | 494.00                               |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/28/87             | 10.00<br>NR            | 08/25/87<br>11/19/87 |                                    | 08/25/87<br>11/18/87 | 5.00                                 |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 08/28/87             | 64.00<br>NR            | 08/25/87<br>11/19/87 | 20.00<br>30.00                     | 08/25/87<br>11/18/87 | 57.00<br>81.00                       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/28/87             | 38100.00<br>NR         | 08/25/87<br>11/19/87 | 27000.00<br>29800.00               | 08/25/87<br>11/18/87 | 49300.00<br>59800.00                 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/28/87             |                        | 08/25/87             |                                    | 08/25/87             |                                      |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.130

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-20-20     |          | 6-20-39    |          | SAMPLE DATE | 6-24-38 |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|------------|----------|-------------|---------|
|                  |       |                             |                         |             |             |          |            |          |             |         |
| FLUORID          | PPB   | 500.00                      | 4000.00                 |             | NR          | 11/19/87 | 537.00     | 11/10/87 | 676.00      |         |
| FMAGNES          | PPB   | 0.00                        |                         | 08/26/87    | 9840.00     | 08/25/87 | 9570.00    | 08/25/87 | 14400.00    |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 9840.00    | 11/10/87 | 16200.00    |         |
| FMANGAN          | PPB   | 5.00                        |                         | 08/26/87    |             | 08/25/87 | 0.00       | 08/25/87 |             |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 14.00      | 11/10/87 |             |         |
| FPOTASS          | PPB   | 100.00                      |                         | 08/26/87    | 6690.00     | 08/25/87 | 4700.00    | 08/25/87 | 8850.00     |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 4980.00    | 11/10/87 | 8330.00     |         |
| FSDDIUM          | PPB   | 100.00                      |                         | 08/26/87    | 10000.00    | 08/25/87 | 14300.00   | 08/25/87 | 21100.00    |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 15700.00   | 11/10/87 | 24800.00    |         |
| FVANADI          | PPB   | 5.00                        |                         | 08/26/87    | 13.00       | 08/25/87 | 5.00       | 08/25/87 | 17.00       |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 0.00       | 11/10/87 | 18.00       |         |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             | NR          | 08/25/87 | 420.00     | 08/25/87 | 490.00      |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 465.00     | 11/10/87 | 490.00      |         |
| METHYCH          | PPB   | 10.00                       |                         | 08/26/87    | 13.00       | 08/25/87 |            | 08/25/87 |             |         |
|                  |       |                             |                         |             | NR          | 11/19/87 |            | 11/10/87 |             |         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/26/87    | 36000.00    | 08/25/87 | 4310.00    | 08/25/87 | 23200.00    |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 4300.00    | 11/10/87 | 26300.00    |         |
| PH-LAB           |       | 0.01                        |                         | 08/26/87    | 7.00        | 08/25/87 | 7.00       | 08/25/87 | 7.40        |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 7.93       | 11/10/87 | 7.42        |         |
| PHFIELD          |       | 0.10                        |                         | 08/26/87    | 7.00        | 11/19/87 | 6.90       | 11/10/87 | 7.10        |         |
| SULFATE          | PPB   | 500.00                      |                         | 08/26/87    | 52100.00    | 08/25/87 | 25900.00   | 08/25/87 | 45100.00    |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 26300.00   | 11/10/87 | 46500.00    |         |
| TC               | PPB   |                             |                         | 08/26/87    | 25300.00 0  | 08/25/87 | 29000.00 0 | 08/25/87 | 46100.00 0  |         |
|                  |       |                             |                         |             | NR          | 11/19/87 | 28600.00 0 | 11/10/87 | 47700.00 0  |         |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/26/87    | 100000.00 * | 08/25/87 |            | 08/25/87 | 85500.00 *  |         |
|                  |       |                             |                         |             | { 1420.00 } |          |            |          | { 973.00 }  |         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.131

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-20-20                    | SAMPLE<br>DATE | 6-20-39 | SAMPLE<br>DATE | 6-24-38                    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------------------|----------------|---------|----------------|----------------------------|
|                     |       |                                   |                               | -----          | -----                      | -----          | -----   | -----          | -----                      |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 10/20/87       | 100000.00 *<br>{ 1540.00 } | 11/19/87       |         | 11/10/87       | 100000.00 *<br>{ 1240.00 } |
| U                   | PCI/L | 0.50                              | 000.00                        | 08/20/87       | 3.07                       |                | NR      |                | NR                         |
|                     |       |                                   |                               | 10/20/87       | 2.01                       |                | NR      |                | NR                         |

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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-24-86          | SAMPLE DATE | 6-28-86          | SAMPLE DATE | 6-29-84          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| ALKALIN          |       |                             |                         | 11/10/87    | 137000.00 0      | 09/01/87    | 134000.00 0      | 09/10/87    | 123000.00 0      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 11/10/87    | 1.92<br>{ 1.32}  | 09/01/87    | 1.95<br>{ 1.05}  | 09/10/87    | 4.45<br>{ 1.80}  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 11/10/87    | 10.00<br>{ 4.00} | 09/01/87    | 25.40<br>{ 5.32} | 09/10/87    | 26.20<br>{ 5.52} |
| CHLORID          | PPB   | 500.00                      |                         | 11/10/87    | 4660.00          | 09/01/87    | 6460.00          | 09/10/87    | 8520.00          |
| CONDFLD          | UMHO  | 1.00                        |                         | 11/10/87    | 331.00           | 09/01/87    | 333.00           | 09/10/87    | 291.00           |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR               | 08/04/87    | 4.14<br>{ 3.38}  |             | NR               |
|                  |       |                             |                         |             | NR               | 10/26/87    | 6.26<br>{ 4.58}  |             | NR               |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 11/10/87    | 76.00            | 09/01/87    | 39.00            | 09/10/87    | 55.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 11/10/87    | 32100.00         | 09/01/87    | 36300.00         | 09/10/87    | 41000.00         |
| FMAGNES          | PPB   | 0.00                        |                         | 11/10/87    | 12800.00         | 09/01/87    | 12000.00         | 09/10/87    | 8000.00          |
| FPOTASS          | PPB   | 100.00                      |                         | 11/10/87    | 6370.00          | 09/01/87    | 5970.00          | 09/10/87    | 5420.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 11/10/87    | 17200.00         | 09/01/87    | 19700.00         | 09/10/87    | 13200.00         |
| FVANADI          | PPB   | 5.00                        |                         | 11/10/87    | 5.00             | 09/01/87    | 21.00            | 09/10/87    | 17.00            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/27/87    | 6500.00          |             | NR               |             | NR               |
|                  |       |                             |                         | 11/10/87    | 7790.00          |             | NR               |             | NR               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/10/87    | 465.00           | 09/01/87    | 480.00           | 09/10/87    | 267.00           |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/10/87    | 8400.00          | 09/01/87    | 13200.00         | 09/10/87    | 30800.00         |
| PH-LAB           |       | 0.01                        |                         | 11/10/87    | 7.88             | 09/01/87    | 7.87             | 09/10/87    | 7.81             |
| PHFIELD          |       | 0.10                        |                         | 11/10/87    | 7.80             | 09/01/87    | 6.90             | 09/10/87    | 7.00             |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-24-46    | SAMPLE DATE | 6-26-46                | SAMPLE DATE | 6-29-4                     |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------------------|-------------|----------------------------|
| SULFATE          | PPB   | 500.00                      |                         | 11/10/87    | 26800.00   | 09/01/87    | 41300.00               | 09/10/87    | 32700.00                   |
| TC               | PPB   |                             |                         | 11/10/87    | 31300.00 0 | 09/01/87    | 30900.00 0             | 09/10/87    | 29500.00 0                 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/27/87    |            | 08/04/87    | 12300.00<br>{ 457.00 } | 08/25/87    | 131000.00 *<br>{ 1370.00 } |
|                  |       |                             |                         | 11/10/87    |            | 10/20/87    |                        | 10/25/87    | 121000.00 *<br>{ 1310.00 } |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-29-78         | SAMPLE<br>DATE | 6-32-22          | SAMPLE<br>DATE | 6-32-43            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------------|----------------|------------------|----------------|--------------------|
|                     |       |                                   |                               |                |                 |                |                  |                |                    |
| ALKALIN             |       |                                   |                               | 11/15/87       | 100000.00 0     | 09/09/87       | 113000.00 0      | 08/27/87       | 103000.00 0        |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 11/15/87       | 1.55<br>{ 1.13} | 09/09/87       | 1.20<br>{ 1.12}  | 08/27/87       | 4.00<br>{ 1.82}    |
| AMMONIU             | PPB   | 50.00                             |                               | 11/15/87       |                 | 09/09/87       |                  | 08/27/87       | 140.00             |
| BETA                | PCI/L | 8.00                              | 50.00                         | 11/15/87       |                 | 09/09/87       | 46.00<br>{ 6.81} | 08/27/87       | 54.30 +<br>{ 7.38} |
| C 14                | PCI/L |                                   |                               |                | NR              |                | NR               | 09/09/87       | 8.11 0<br>{ 2.11}  |
| CHLORID             | PPB   | 500.00                            |                               | 11/15/87       | 6110.00         | 09/09/87       | 10600.00         | 08/27/87       | 6470.00            |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                | NR              | 09/09/87       | 11.40<br>{ 7.18} | 09/09/87       | 10.20<br>{ 6.81}   |
|                     |       |                                   |                               |                | NR              | 11/19/87       | 6.78<br>{ 5.52}  | 10/26/87       |                    |
| CONDFLD             | UMHG  | 1.00                              |                               | 11/15/87       | 211.00          | 09/09/87       | 310.00           | 08/27/87       | 241.00             |
| CS-137              | PCI/L | 20.50                             | 200.00                        |                | NR              | 09/09/87       | 6.80<br>{ 4.38}  | 09/09/87       | 4.14<br>{ 3.38}    |
|                     |       |                                   |                               |                | NR              | 11/13/87       |                  | 10/26/87       |                    |
| FBARIUM             | PPB   | 6.00                              | 1000.00                       | 11/15/87       | 25.00           | 09/09/87       | 37.00            |                | NR                 |
| FCALCIU             | PPB   | 50.00                             |                               | 11/15/87       | 21900.00        | 09/09/87       | 31300.00         |                | NR                 |
| FCOPPER             | PPB   | 10.00                             | (1300.0)                      | 11/15/87       | 20.00           | 09/09/87       |                  |                | NR                 |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 11/15/87       | 604.00          | 09/09/87       |                  | 08/27/87       | 586.00             |
| FMAGNES             | PPB   | 0.00                              |                               | 11/15/87       | 8790.00         | 09/09/87       | 9030.00          |                | NR                 |
| FPOTASS             | PPB   | 100.00                            |                               | 11/15/87       | 3600.00         | 09/09/87       | 5000.00          |                | NR                 |
| FSODIUM             | PPB   | 100.00                            |                               | 11/15/87       | 15400.00        | 09/09/87       | 24200.00         |                | NR                 |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-29-78             | SAMPLE DATE          | 6-32-22  | SAMPLE DATE          | 6-32-43  |
|------------------|-------|-----------------------------|-------------------------|----------------------|---------------------|----------------------|--|----------------------|--|
|                  |       |                             |                         |                      |                     |                      |  |                      |  |
| FVANADI          | PPB   | 5.00                        |                         | 11/15/87             | 38.00               | 09/09/87             | 19.00  |                      | NR   |
| FZINC            | PPB   | 5.00                        |                         | 11/15/87             | 18.00               | 09/09/87             | 5.00   |                      | NR   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/05/87<br>11/15/87 | 7810.00<br>7770.00  |                      | NR<br>NR   |                      | NR<br>NR   |
| I-129            | PCI/L |                             | 500.00                  |                      | NR                  | 09/04/87             | 3.87 0<br>{ 0.33}                                    | 09/04/87             | 5.51 0<br>{ 0.44}                                    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/15/87             | 530.00              | 09/09/87             | 400.00   | 08/27/87             | 625.00   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/15/87             | 8140.00             | 09/09/87             | 30500.00   | 08/27/87             | 40900.00   |
| PH-LAB           |       | 0.01                        |                         | 11/15/87             | 7.70                | 09/09/87             | 8.02   | 08/27/87             | 7.87   |
| PHFIELD          |       | 0.10                        |                         | 11/15/87             | 7.00                | 09/09/87             | 7.30   | 08/27/87             | 6.40   |
| RU-106           | PCI/L | 172.50                      | 30.00                   |                      | NR                  | 09/09/87             |  | 09/09/87             | 48.00 *<br>{ 34.00}                                  |
|                  |       |                             |                         |                      | NR                  | 11/13/87             |  | 10/26/87             |  |
| SULFATE          | PPB   | 500.00                      |                         | 11/15/87             | 22800.00            | 09/09/87             | 46400.00   | 08/27/87             | 36800.00   |
| TC               | PPB   |                             |                         | 11/15/87             | 21400.00 0          | 09/09/87             | 27100.00 0   | 08/27/87             | 26500.00 0   |
| TC-99            | PCI/L | 15.00                       | 900.00                  |                      | NR                  | 09/09/87             | 206.00<br>{ 2.00}                                    | 09/09/87             | 55.00<br>{ 1.07}                                     |
| TOC              | PPB   | 1000.00                     |                         | 11/15/87             |                     | 09/09/87             |  | 08/27/87             | 1070.00  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/05/87<br>11/15/87 | 507.00<br>{ 211.00} | 09/09/87<br>11/13/87 | 20200.00 *<br>{ 1930.00}<br>25800.00 *<br>{ 1570.00} | 09/09/87<br>10/26/87 | 46400.00 *<br>{ 2000.00}<br>44900.00 *<br>{ 2550.00} |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-32-700          | SAMPLE DATE | 6-32-72           | SAMPLE DATE | 6-32-77     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|-------------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----             | -----       | -----             | -----       | -----       |
| ALKALIN          |       |                             |                         | 11/15/87    | 128000.00 0       | 10/14/87    | 97300.00 0        | 11/15/87    | 103000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 11/15/87    | { 1.53<br>1.23 }  | 07/08/87    | { 0.47<br>0.35 }  | 11/15/87    |             |
|                  |       |                             |                         |             | NR                | 09/08/87    |                   |             | NR          |
|                  |       |                             |                         |             | NR                | 10/14/87    |                   |             | NR          |
|                  |       |                             |                         |             | NR                | 10/14/87    |                   |             | NR          |
|                  |       |                             |                         |             | NR                | 12/01/87    | { 0.64<br>0.39 }  |             | NR          |
|                  |       |                             |                         |             | NR                | 12/07/87    |                   |             | NR          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 11/15/87    | { 25.10<br>5.39 } | 07/08/87    | { 13.00<br>2.82 } | 11/15/87    |             |
|                  |       |                             |                         |             | NR                | 09/08/87    | { 5.15<br>1.75 }  |             | NR          |
|                  |       |                             |                         |             | NR                | 10/14/87    | { 5.52<br>3.48 }  |             | NR          |
|                  |       |                             |                         |             | NR                | 10/14/87    | { 3.13<br>1.45 }  |             | NR          |
|                  |       |                             |                         |             | NR                | 12/01/87    | { 18.60<br>2.83 } |             | NR          |
|                  |       |                             |                         |             | NR                | 12/07/87    | { 4.75<br>1.78 }  |             | NR          |
| CHLORID          | PPB   | 500.00                      |                         | 11/15/87    | 12200.00          | 10/14/87    | 10700.00          | 11/15/87    | 7500.00     |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/30/87    |                   | 07/08/87    |                   | 08/05/87    |             |
|                  |       |                             |                         | 11/15/87    | { 0.49<br>6.42 }  | 12/01/87    |                   | 11/15/87    |             |
| CONDFLD          | UMHO  | 1.00                        |                         | 11/15/87    | 200.00            | 10/14/87    | 231.00            | 11/15/87    | 213.00      |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/30/87    |                   | 07/08/87    |                   | 08/05/87    |             |
|                  |       |                             |                         | 11/15/87    |                   | 12/01/87    | { 5.96<br>3.97 }  | 11/15/87    |             |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 11/15/87    | 30.00             | 10/14/87    | 17.00             | 11/15/87    | 27.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 11/15/87    | 20200.00          | 10/14/87    | 22500.00          | 11/15/87    | 22000.00    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

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| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 8-32-70B    | 6-32-72     | 6-32-72     | 6-32-77     |             |            |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 11/15/87    | 23.00       | 10/14/87    |             | 11/15/87    |            |
| FIRON            | PPB   | 50.00                       |                         | 11/15/87    | 90.00       | 10/14/87    |             | 11/15/87    | 159.00     |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/15/87    | 532.00      | 10/14/87    | 533.00      | 11/15/87    | 850.00     |
| FMAGNES          | PPB   | 0.00                        |                         | 11/15/87    | 11000.00    | 10/14/87    | 11100.00    | 11/15/87    | 8160.00    |
| FMANGAN          | PPB   | 5.00                        |                         | 11/15/87    | 0.00        | 10/14/87    | 29.00       | 11/15/87    |            |
| FPOTASS          | PPB   | 100.00                      |                         | 11/15/87    | 4520.00     | 10/14/87    | 3900.00     | 11/15/87    | 3000.00    |
| FSODIUM          | PPB   | 100.00                      |                         | 11/15/87    | 19700.00    | 10/14/87    | 14400.00    | 11/15/87    | 21000.00   |
| FVANADI          | PPB   | 5.00                        |                         | 11/15/87    | 30.00       | 10/14/87    | 7.00        | 11/15/87    | 39.00      |
| FZINC            | PPB   | 5.00                        |                         | 11/15/87    |             | 10/14/87    |             | 11/15/87    | 7.00       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/30/87    | 16300.00    | 07/00/87    | 0720.00     | 08/05/87    | 0050.00    |
|                  |       |                             |                         | 11/15/87    | 10200.00    | 12/01/87    | 0900.00     | 11/15/87    | 5730.00    |
| LFLUORO          | PPB   | 20.00                       | 4000.00                 | 11/15/87    | 470.00      | 10/14/87    | 300.00      | 11/15/87    | 020.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/15/87    | 20200.00    | 10/14/87    |             | 11/15/87    | 5510.00    |
| PH-LAB           |       | 0.01                        |                         | 11/15/87    | 7.00        | 10/14/87    | 0.14        | 11/15/87    | 7.01       |
| PHFIELD          |       | 0.10                        |                         | 11/15/87    | 7.00        | 10/14/87    | 7.00        | 11/15/87    | 7.50       |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/30/87    |             | 07/00/87    |             | 08/05/87    | 54.00 *    |
|                  |       |                             |                         | 11/15/87    |             | 12/01/87    |             | 11/15/87    | { 30.00 }  |
| SULFATE          | PPB   | 500.00                      |                         | 11/15/87    | 24000.00    | 10/14/87    | 13000.00    | 11/15/87    | 20300.00   |
| TC               | PPB   |                             |                         | 11/15/87    | 29300.00 0  |             | NR          | 11/15/87    | 22400.00 0 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 20000.00 *  | 07/00/87    | 130000.00 * | 08/05/87    | 375.00     |
|                  |       |                             |                         |             | { 1910.00 } |             | { 1400.00 } |             | { 207.00 } |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-32-76B       |                            | 6-32-72        |                            | 6-32-77        |    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------------------|----------------|----------------------------|----------------|----|
|                     |       |                                   |                               | SAMPLE<br>DATE |                            | SAMPLE<br>DATE |                            | SAMPLE<br>DATE |    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 11/15/87       | 273000.00 *<br>{ 1720.00 } | 12/01/87       | 153000.00 *<br>{ 1480.00 } | 11/15/87       |    |
| U                   | PCI/L | 0.50                              | 600.00                        | 07/30/87       | 1.20                       | 07/08/87       |                            |                | NR |
|                     |       |                                   |                               | 11/15/87       | 1.18                       | 12/01/87       |                            |                | NR |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-33-42             |  | 6-33-58  |                  | 6-34-42  |                   |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------|--|----------|------------------|----------|-------------------|
|                  |       |                             |                         |             |                     |  |          |                  |          |                   |
| ALKALIN          |       |                             |                         | 08/27/87    | 98400.00 0          |  | 08/27/87 | 178000.00 0      | 09/01/87 | 101000.00 0       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/27/87    | { 2.99<br>1.53 }    |  | 08/27/87 | { 2.11<br>1.38 } | 09/01/87 | { 2.41<br>1.50 }  |
| AMMONIU          | PPB   | 50.00                       |                         | 08/27/87    | 78.00               |  | 08/27/87 |                  | 09/01/87 |                   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/27/87    | { 83.10 *<br>7.78 } |  | 08/27/87 | { 7.22<br>4.43 } | 09/01/87 | { 14.50<br>4.79 } |
| CHLORID          | PPB   | 500.00                      |                         | 08/27/87    | 5875.00             |  | 08/27/87 | 7000.00          | 09/01/87 | 4940.00           |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/30/87    | { 10.20<br>5.83 }   |  | 07/30/87 |                  | 07/30/87 |                   |
|                  |       |                             |                         | 10/25/87    |                     |  | 10/20/87 |                  | 10/25/87 | { 5.07<br>4.53 }  |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/27/87    | 224.00              |  | 08/27/87 | 370.00           | 09/01/87 | 272.00            |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/30/87    |                     |  | 07/30/87 | { 3.20<br>2.86 } | 07/30/87 |                   |
|                  |       |                             |                         | 10/25/87    |                     |  | 10/20/87 | { 6.62<br>4.19 } | 10/25/87 |                   |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/27/87    | 6.00                |  | 08/27/87 |                  | 09/01/87 |                   |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/27/87    | 35.00               |  | 08/27/87 | 40.00            | 09/01/87 | 26.00             |
| FCALCIU          | PPB   | 50.00                       |                         | 08/27/87    | 24300.00            |  | 08/27/87 | 38500.00         | 09/01/87 | 20200.00          |
| FIRON            | PPB   | 50.00                       |                         | 08/27/87    | 54.00               |  | 08/27/87 |                  | 09/01/87 |                   |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 08/27/87    | 573.00              |  | 08/27/87 |                  | 09/01/87 | 503.00            |
| FMAGNES          | PPB   | 0.00                        |                         | 08/27/87    | 8930.00             |  | 08/27/87 | 14100.00         | 09/01/87 | 7230.00           |
| FMANGAN          | PPB   | 5.00                        |                         | 08/27/87    | 15.00               |  | 08/27/87 |                  | 09/01/87 |                   |
| FPOTASS          | PPB   | 100.00                      |                         | 08/27/87    | 5330.00             |  | 08/27/87 | 5280.00          | 09/01/87 | 5070.00           |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.140

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-33-42     |             | 6-33-55     |            | 6-34-42     |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|-------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE      | SAMPLE DATE | VALUE       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/27/87    | 24100.00    | 08/27/87    | 21700.00   | 09/01/87    | 22600.00    |
| FVANADI          | PPB   | 5.00                        |                         | 08/27/87    | 20.00       | 08/27/87    | 30.00      | 09/01/87    | 32.00       |
| FZINC            | PPB   | 5.00                        |                         | 08/27/87    |             | 08/27/87    | 174.00     | 09/01/87    |             |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/27/87    | 800.00      | 08/27/87    | 500.00     | 09/01/87    | 770.00      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/27/87    | 40000.00    | 08/27/87    | 9910.00    | 09/01/87    | 15900.00    |
| PH-LAB           |       | 0.01                        |                         | 08/27/87    | 8.05        | 08/27/87    | 7.99       | 09/01/87    | 7.93        |
| PHFIELD          |       | 0.10                        |                         | 08/27/87    | 6.70        | 08/27/87    | 6.80       | 09/01/87    | 7.00        |
| SULFATE          | PPB   | 500.00                      |                         | 08/27/87    | 34000.00    | 08/27/87    | 29100.00   | 09/01/87    | 24200.00    |
| TC               | PPB   |                             |                         |             | NR          | 08/27/87    | 41100.00 0 | 09/01/87    | 23400.00 0  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 343000.00 * | 07/30/87    |            | 07/30/87    | 100000.00 * |
|                  |       |                             |                         |             | { 2170.00 } |             |            |             | { 1000.00 } |
|                  |       |                             |                         | 10/25/87    | 300000.00 * | 10/25/87    |            | 10/25/87    | 100000.00 * |
|                  |       |                             |                         |             | { 2300.00 } |             |            |             | { 1000.00 } |

C.141

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 0 - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-34-81         | SAMPLE DATE | 6-35-9           | SAMPLE DATE | 6-36-88          |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|-------------|------------------|-------------|------------------|
|                  |       |                             |                         |             |                 |             |                  |             |                  |
| ALKALIM          |       |                             |                         | 09/23/87    | 157000.00 0     | 08/25/87    | 122000.00 0      | 12/01/87    | 156000.00 0      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/23/87    | 2.05<br>{ 1.26} | 08/25/87    |                  | 12/01/87    | 2.05<br>{ 1.40}  |
| AMMONIU          | PPB   | 50.00                       |                         | 09/23/87    |                 | 08/25/87    |                  | 12/01/87    | 59.00            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/23/87    | 7.58<br>{ 3.86} | 08/25/87    | 48.26<br>{ 7.20} | 12/01/87    | 14.60<br>{ 4.63} |
| CHLORID          | PPB   | 500.00                      |                         | 09/23/87    | 6740.00         | 08/25/87    | 13800.00         | 12/01/87    | 16900.00         |
| CONDFLD          | UMHO  | 1.00                        |                         | 09/23/87    | 938.00          | 08/25/87    | 388.00           | 12/01/87    | 480.00           |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/30/87    | 7.99<br>{ 4.61} | 08/25/87    |                  | 08/19/87    |                  |
|                  |       |                             |                         | 10/26/87    |                 | 10/25/87    |                  | 12/01/87    |                  |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/23/87    |                 | 08/25/87    | 5.00             | 12/01/87    |                  |
| FBARIUM          | PPB   | 5.00                        | 1000.00                 | 09/23/87    | 47.00           | 08/25/87    | 65.00            | 12/01/87    | 44.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 09/23/87    | 45500.00        | 08/25/87    | 37000.00         | 12/01/87    | 45900.00         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 09/23/87    |                 | 08/25/87    | 11.00            | 12/01/87    | 24.00            |
| FMAGNES          | PPB   | 0.00                        |                         | 09/23/87    | 13300.00        | 08/25/87    | 11300.00         | 12/01/87    | 13500.00         |
| FMANGAN          | PPB   | 5.00                        |                         | 09/23/87    | 5.00            | 08/25/87    |                  | 12/01/87    |                  |
| FPOTASS          | PPB   | 100.00                      |                         | 09/23/87    | 5730.00         | 08/25/87    | 5370.00          | 12/01/87    | 4870.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 09/23/87    | 22200.00        | 08/25/87    | 18600.00         | 12/01/87    | 19600.00         |
| FVANADI          | PPB   | 5.00                        |                         | 09/23/87    | 20.00           | 08/25/87    | 10.00            | 12/01/87    | 20.00            |
| FZINC            | PPB   | 5.00                        |                         | 09/23/87    | 0.00            | 08/25/87    |                  | 12/01/87    | 11.00            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR              |             | NR               | 08/19/87    | 23900.00         |

C.142

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 8-34-51     |            | 8-35-9      |             | 8-36-68     |              |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-------------|-------------|--------------|
|                  |       |                             |                         | SAMPLE DATE |            | SAMPLE DATE |             | SAMPLE DATE |              |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR         |             | NR          | 12/01/87    | 21000.00     |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/23/87    | 470.00     | 08/26/87    | 370.00      | 12/01/87    | 470.00       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/23/87    | 8400.00    | 08/26/87    | 37300.00    | 12/01/87    | 24200.00     |
| PH-LAB           |       | 0.01                        |                         | 09/23/87    | 7.57       | 08/26/87    | 7.78        | 12/01/87    | 7.79         |
| PHFIELD          |       | 0.10                        |                         | 09/28/87    | 0.00       | 08/26/87    | 7.20        | 12/01/87    | 0.10         |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/30/87    |            | 08/26/87    |             | 08/19/87    | 27.50        |
|                  |       |                             |                         | 10/26/87    |            | 10/26/87    |             | 12/01/87    | { 24.00 }    |
| SULFATE          | PPB   | 500.00                      |                         | 09/23/87    | 41200.00   | 08/26/87    | 44100.00    | 12/01/87    | 20400.00     |
| TC               | PPB   |                             |                         | 09/23/87    | 38100.00 0 | 08/26/87    | 27000.00 0  | 12/01/87    | 50000.00 0   |
| TOXLDL           | PPB   | 20.00                       |                         | 09/23/87    |            | 08/26/87    |             | 12/01/87    | 40.00        |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    |            | 08/26/87    | 195000.00 * | 08/19/87    | 120000.00 *  |
|                  |       |                             |                         | 10/26/87    |            | 10/26/87    | { 1000.00 } | 12/01/87    | { 4120.00 }  |
|                  |       |                             |                         |             |            |             | 160000.00 * |             | 1210000.00 * |
|                  |       |                             |                         |             |            |             | { 1500.00 } |             | { 4100.00 }  |
| U                | PCI/L | 0.50                        | 000.00                  |             | NR         |             | NR          | 08/19/87    | 1.04         |
|                  |       |                             |                         |             | NR         |             | NR          | 12/01/87    | 1.01         |

C.143

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-36-78           |          | 6-36-78A         |          | SAMPLE DATE     | 6-36-81A |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|----------|------------------|----------|-----------------|----------|
|                  |       |                             |                         |             |                   |          |                  |          |                 |          |
| ALKALIN          |       |                             |                         | 08/27/87    | 135000.00 #       | 08/27/87 | 104000.00 #      | 12/28/87 | 147000.00 #     |          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/27/87    | 1.70<br>{ 1.22}   | 07/08/87 | 8.82<br>{ 1.20}  | 12/28/87 | 1.36<br>{ 1.07} |          |
|                  |       |                             |                         |             | NR                | 08/27/87 | 5.51             |          | NR              |          |
|                  |       |                             |                         |             | NR                | 09/08/87 | { 1.84}          |          | NR              |          |
|                  |       |                             |                         |             | NR                | 10/05/87 | 8.28<br>{ 1.00}  |          | NR              |          |
|                  |       |                             |                         |             | NR                | 11/04/87 | 4.07<br>{ 0.94}  |          | NR              |          |
|                  |       |                             |                         |             | NR                | 12/03/87 | 9.39<br>{ 1.28}  |          | NR              |          |
|                  |       |                             |                         |             |                   |          | 10.10<br>{ 1.30} |          | NR              |          |
| AMMONIUM         | PPB   | 50.00                       |                         | 08/27/87    | 67.00             | 08/27/87 |                  | 12/28/87 |                 |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/27/87    | 28.70<br>{ 5.83}  | 07/08/87 | 8.81<br>{ 2.19}  | 12/28/87 | 9.81<br>{ 3.98} |          |
|                  |       |                             |                         |             | NR                | 08/27/87 | 8.84             |          | NR              |          |
|                  |       |                             |                         |             | NR                | 09/08/87 | { 3.91}          |          | NR              |          |
|                  |       |                             |                         |             | NR                | 10/05/87 | 10.10<br>{ 2.29} |          | NR              |          |
|                  |       |                             |                         |             | NR                | 11/04/87 | 5.86<br>{ 1.71}  |          | NR              |          |
|                  |       |                             |                         |             | NR                | 12/03/87 | 6.44<br>{ 1.89}  |          | NR              |          |
|                  |       |                             |                         |             |                   |          | 4.42<br>{ 1.67}  |          | NR              |          |
| C 14             | PCI/L |                             |                         | 07/30/87    | 7.30 #<br>{ 2.89} |          | NR               |          | NR              |          |
| CHLORID          | PPB   | 500.00                      |                         | 08/27/87    | 27400.00          | 08/27/87 | 3600.00          | 12/28/87 | 9390.00         |          |
| CONDFLD          | UMHD  | 1.00                        |                         | 08/27/87    | 374.00            | 08/28/87 | 183.00           | 12/28/87 | 310.00          |          |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/30/87    |                   | 07/08/87 |                  |          | NR              |          |

C.144

+ - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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+ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-36-70            | SAMPLE DATE | 6-36-70A        | SAMPLE DATE | 6-36-81A |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------------|-------------|-----------------|-------------|----------|
| CS-137           | PCI/L | 20.00                       | 200.00                  | 10/26/87    |                    | 10/05/87    | 9.66<br>{ 6.46} |             | NR       |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/27/87    | 42.00              | 08/27/87    | 20.00           | 12/28/87    | 50.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 08/27/87    | 37700.00           | 08/27/87    | 16100.00        | 12/28/87    | 42600.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 08/27/87    |                    | 08/27/87    |                 | 12/28/87    | 15.00    |
| FIRON            | PPB   | 50.00                       |                         | 08/27/87    | 94.00              | 08/27/87    | 162.00          | 12/28/87    | 139.00   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/27/87    |                    | 08/27/87    | 579.00          | 12/28/87    |          |
| FMAGNES          | PPB   | 0.00                        |                         | 08/27/87    | 13400.00           | 08/27/87    | 6100.00         | 12/28/87    | 13500.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 08/27/87    | 43.00              | 08/27/87    | 49.00           | 12/28/87    |          |
| FPOTASS          | PPB   | 100.00                      |                         | 08/27/87    | 5630.00            | 08/27/87    | 2800.00         | 12/28/87    | 4770.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/27/87    | 21000.00           | 08/27/87    | 20000.00        | 12/28/87    | 16700.00 |
| FVANADI          | PPB   | 5.00                        |                         | 08/27/87    | 23.00              | 08/27/87    | 9.00            | 12/28/87    | 30.00    |
| FZINC            | PPB   | 5.00                        |                         | 08/27/87    | 16.00              | 08/27/87    | 18.00           | 12/28/87    |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR                 | 07/08/87    |                 | 07/30/87    | 18700.00 |
|                  |       |                             |                         |             | NR                 | 10/05/87    |                 | 11/10/87    | 21000.00 |
| I-129            | PCI/L |                             | 500.00                  | 07/09/87    | 47.20 0<br>{ 5.40} |             | NR              |             | NR       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/27/87    | 395.00             | 08/27/87    | 535.00          | 12/28/87    | 400.00   |
| METHYCH          | PPB   | 10.00                       |                         | 08/27/87    |                    | 08/27/87    | 12.00           | 12/28/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/27/87    | 20400.00           | 08/27/87    |                 | 12/28/87    | 22300.00 |
| PH-LAB           |       | 0.01                        |                         | 08/27/87    | 7.02               | 08/27/87    | 7.04            | 12/28/87    | 7.70     |
| PHFIELD          |       | 0.10                        |                         | 08/27/87    | 6.90               | 08/28/87    | 6.90            | 12/28/87    | 7.00     |

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 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-35-70           | SAMPLE DATE | 6-36-78A        | SAMPLE DATE | 6-36-81A |    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|-----------------|-------------|----------|----|
|                  |       |                             |                         |             |                   |             |                 |             |          |    |
| SULFATE          | PPB   | 500.00                      |                         | 08/27/87    | 30100.00          | 08/27/87    | 14000.00        | 12/28/87    | 31500.00 |    |
| TC               | PPB   |                             |                         | 08/27/87    | 31400.00 0        | 08/27/87    | 10000.00 0      | 12/28/87    |          |    |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 07/30/87    | 112.00<br>{ 2.09} |             | NR              |             | NR       |    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 1340000.00 *      | 07/08/87    |                 |             | NR       |    |
|                  |       |                             |                         |             | { 4310.00}        |             |                 |             |          |    |
|                  |       |                             |                         | 10/20/87    | 1240000.00 *      | 09/08/87    |                 |             |          | NR |
|                  |       |                             |                         |             | { 4150.00}        |             |                 |             |          |    |
|                  |       |                             |                         |             | NR                | 10/05/87    |                 | NR          |          |    |
|                  |       |                             |                         |             | NR                | 11/04/87    |                 | NR          |          |    |
|                  |       |                             |                         |             | NR                | 12/03/87    |                 | NR          |          |    |
| U                | PCI/L | 0.50                        | 800.00                  | 07/30/87    | 2.10              |             | NR              |             | NR       |    |
|                  |       |                             |                         | 10/20/87    | 2.34              |             | NR              |             | NR       |    |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR                | 07/08/87    | 5.05<br>{ 0.20} |             | NR       |    |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR                | 07/08/87    | 0.20<br>{ 0.04} |             | NR       |    |
| U 238            | PCI/L | 0.10                        | 4.00                    |             | NR                | 07/08/87    | 4.78<br>{ 0.20} |             | NR       |    |
| U-CHEM           | UG/L  | 0.73                        |                         |             | NR                | 07/08/87    | 13.20           |             | NR       |    |
|                  |       |                             |                         |             | NR                | 09/08/87    | 7.00            |             | NR       |    |
|                  |       |                             |                         |             | NR                | 10/05/87    | 7.85            |             | NR       |    |
|                  |       |                             |                         |             | NR                | 11/04/87    | 11.70           |             | NR       |    |
|                  |       |                             |                         |             | NR                | 12/03/87    | 11.50           |             | NR       |    |

C.146

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                   | SAMPLE DATE |                    | SAMPLE DATE |                   |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|
|                  |       |                             |                         | 10/27/87    | 11/15/87          | 11/15/87    | 11/15/87           | 09/23/87    | 09/23/87          |
| ALKALIN          |       |                             |                         | 10/27/87    | 117600.00 0       | 11/15/87    | 104000.00 0        | 09/23/87    | 38400.00 0        |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/07/87    | 3.24<br>{ 0.76 }  | 11/15/87    | 3.28<br>{ 2.26 }   | 09/23/87    |                   |
|                  |       |                             |                         | 10/27/87    | 2.82<br>{ 1.56 }  |             | NR                 |             | NR                |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/07/87    | 26.40<br>{ 3.88 } | 11/15/87    | 9.10<br>{ 4.00 }   | 09/23/87    | 14.10<br>{ 4.37 } |
|                  |       |                             |                         | 10/27/87    | 19.10<br>{ 4.92 } |             | NR                 |             | NR                |
| C 14             | PCI/L |                             |                         |             | NR                | 09/10/87    | 8.38 0<br>{ 2.77 } |             | NR                |
| CHLORID          | PPB   | 500.00                      |                         | 10/27/87    | 7730.00           | 11/15/87    | 11700.00           | 09/23/87    | 10900.00          |
| CONDFLD          | UMHO  | 1.00                        |                         | 10/27/87    | 384.00            | 11/15/87    | 518.00             | 09/23/87    | 275.00            |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/31/87    |                   | 09/10/87    | 12.00<br>{ 6.24 }  |             | NR                |
|                  |       |                             |                         | 08/07/87    |                   | 11/15/87    | NR                 |             | NR                |
|                  |       |                             |                         | 10/27/87    |                   |             |                    |             | NR                |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 10/27/87    | 42.00             | 11/15/87    | 78.00              | 09/23/87    | 34.00             |
| FCALCIU          | PPB   | 50.00                       |                         | 10/27/87    | 31800.00          | 11/15/87    | 50400.00           | 09/23/87    | 33400.00          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 10/27/87    | 14.00             | 11/15/87    |                    | 09/23/87    |                   |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 10/27/87    | 517.00            | 11/15/87    | 899.00             | 09/23/87    |                   |
| FMAGNES          | PPB   | 0.00                        |                         | 10/27/87    | 11700.00          | 11/15/87    | 10300.00           | 09/23/87    | 590.00            |
| FMANGAN          | PPB   | 5.00                        |                         | 10/27/87    |                   | 11/15/87    | 5.00               | 09/23/87    |                   |
| FPOTASS          | PPB   | 100.00                      |                         | 10/27/87    | 5220.00           | 11/15/87    | 7030.00            | 09/23/87    | 6840.00           |
| FSELENI          | PPB   | 5.00                        | 10.00                   | 10/27/87    |                   | 11/15/87    |                    | 09/23/87    | 5.00              |

C.147

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-37-E4     |       | 6-37-43     |                    | 6-37-82A    |            |        |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------|-------------|--------------------|-------------|------------|--------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE | SAMPLE DATE | VALUE              | SAMPLE DATE | VALUE      |        |
| FSODIUM          | PPB   | 100.00                      |                         | 10/27/87    | 15800.00    |       | 11/15/87    | 45000.00           | 09/23/87    | 21500.00   |        |
| FSTRONT          | PPB   | 300.00                      |                         | 10/27/87    |             |       | 11/15/87    | 350.00             | 09/23/87    |            |        |
| FVANADI          | PPB   | 5.00                        |                         | 10/27/87    | 17.00       |       | 11/15/87    | 21.00              | 09/23/87    | 30.00      |        |
| FZINC            | PPB   | 5.00                        |                         | 10/27/87    |             |       | 11/15/87    | 8.00               | 09/23/87    |            |        |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/31/87    | 23300.00    |       | 09/10/87    |                    |             | NR         |        |
|                  |       |                             |                         | 08/07/87    | 26000.00    |       | 11/15/87    | 10200.00           |             | NR         |        |
|                  |       |                             |                         | 10/27/87    | 27000.00    |       |             | NR                 |             | NR         |        |
| I-129            | PCI/L |                             | 500.00                  |             | NR          |       | 09/10/87    | 10.71 0<br>{ 0.00} |             | NR         |        |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 10/27/87    | 330.00      |       | 11/15/87    | 510.00             | 09/23/87    | 220.00     |        |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/27/87    | 27200.00    |       | 11/15/87    | 10700.00           | 09/23/87    | 47100.00 * |        |
| PH-LAB           |       | 0.01                        |                         | 10/27/87    | 7.03        |       | 11/15/87    | 7.00               | 09/23/87    | 9.77       |        |
| PHFIELD          |       | 0.10                        |                         | 10/27/87    | 7.60        |       | 11/15/87    | 7.80               | 09/23/87    | 9.10       |        |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 07/31/87    |             |       | 09/10/87    | 71.00 *            |             | NR         |        |
|                  |       |                             |                         | 08/07/87    |             |       | 11/15/87    | { 43.30}           |             | NR         |        |
|                  |       |                             |                         | 10/27/87    |             |       |             | NR                 |             | NR         |        |
| SULFATE          | PPB   | 500.00                      |                         | 10/27/87    | 25800.00    |       | 11/15/87    | 218000.00          | 09/23/87    | 54300.00   |        |
| TC               | PPB   |                             |                         | 10/27/87    | 27300.00 0  |       | 11/15/87    | 22700.00 0         | 09/23/87    | 2000.00 0  |        |
| TOC              | PPB   | 1000.00                     |                         | 10/27/87    |             |       | 11/15/87    |                    | 09/23/87    | 1930.00    |        |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/31/87    | 41200.00 *  |       | 09/10/87    | 11000.00           |             | 08/20/87   |        |
|                  |       |                             |                         |             | { 760.00}   |       |             | { 430.00}          |             |            |        |
|                  |       |                             |                         | 08/07/87    | 45700.00 *  |       | 11/15/87    | 58000.00 *         |             | 10/26/87   | 490.00 |
|                  |       |                             |                         |             | { 724.00}   |       |             | { 926.00}          |             | { 175.00}  |        |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.148



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-37-E4                  | SAMPLE<br>DATE | 6-37-43 | SAMPLE<br>DATE | 6-37-62A |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--------------------------|----------------|---------|----------------|----------|
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 10/27/87       | 49400.00 *<br>{ 870.00 } |                | NR      |                | NR       |
| U                   | PCI/L | 0.50                              | 500.00                        | 08/07/87       | 2.24                     |                | NR      |                | NR       |

C.149

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TABLE C.3. (contd)

C.150

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-38-85     |    | 6-38-78  |             | 6-39-79  |            |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----|----------|-------------|----------|------------|-------|
|                  |       |                             |                         |             |             |    |          |             |          |            |       |
| ALKALIN          |       |                             |                         | 08/27/87    | 129000.00 0 | NR | 08/27/87 | 127000.00 0 | 08/27/87 | 90000.00 0 |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 124000.00 0 | 12/02/87 | 99400.00 0 |       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/27/87    | 5.03        | {  | 08/27/87 | 11.70       | 08/27/87 | 4.05       |       |
|                  |       |                             |                         |             | 1.93}       |    |          | {           | 2.84}    | {          | 1.53} |
|                  |       |                             |                         |             | NR          |    | 12/01/87 | 21.40 *     | 12/02/87 | 7.05       |       |
|                  |       |                             |                         |             | NR          |    | 12/03/87 | {           | 4.57}    | {          | 9.87} |
|                  |       |                             |                         |             |             |    |          |             |          |            | NR    |
|                  |       |                             |                         |             |             |    |          | {           | 47.00 *  |            |       |
|                  |       |                             |                         |             |             |    |          |             | {        | 2.90}      |       |
| AMMONIU          | PPB   | 50.00                       |                         | 08/27/87    |             | NR | 08/27/87 | 100.00      | 08/27/87 |            |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 60.00       | 12/02/87 | 61.00      |       |
| BETA             | PCI/L | 0.00                        | 50.00                   | 08/27/87    | 15.50       | {  | 08/27/87 | 278.00 *    | 08/27/87 | 5.65       |       |
|                  |       |                             |                         |             | 5.01}       |    |          | {           | 10.30}   | {          | 9.55} |
|                  |       |                             |                         |             | NR          |    | 12/01/87 | 344.00 *    | 12/02/87 | 0.70       |       |
|                  |       |                             |                         |             | NR          |    | 12/03/87 | {           | 18.10}   | {          | 4.10} |
|                  |       |                             |                         |             |             |    |          |             |          |            | NR    |
|                  |       |                             |                         |             |             |    |          | {           | 300.00 * |            |       |
|                  |       |                             |                         |             |             |    |          |             | {        | 12.70}     |       |
| C 14             | PCI/L |                             |                         |             |             | NR | 08/25/87 | 7.00 0      |          |            | NR    |
|                  |       |                             |                         |             |             |    |          | {           | 2.09}    |            |       |
| CHLORID          | PPB   | 500.00                      |                         | 08/27/87    | 14000.00    | NR | 08/27/87 | 31000.00    | 08/27/87 | 3600.00    |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 28000.00    | 12/02/87 | 3430.00    |       |
| CO-00            | PCI/L | 22.50                       | 100.00                  | 08/25/87    | 6.14        | {  | 08/25/87 |             | 08/25/87 | 6.43       |       |
|                  |       |                             |                         |             | 5.05}       |    |          |             | 12/02/87 | {          | 5.25} |
|                  |       |                             |                         |             | NR          |    | 12/01/87 |             |          |            |       |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/27/87    | 540.00      | NR | 08/27/87 | 636.00      | 08/27/87 | 170.00     |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 820.00      | 12/02/87 | 194.00     |       |
| CYANIDE          | PPB   | 10.00                       |                         | 08/27/87    |             | NR | 08/27/87 | 10.30       | 08/27/87 |            |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 22.00       | 12/02/87 |            |       |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/27/87    | 82.00       | NR | 08/27/87 | 79.00       | 08/27/87 | 21.00      |       |
|                  |       |                             |                         |             |             |    | 12/01/87 | 88.00       | 12/02/87 | 20.00      |       |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-30-65     |          | 6-30-70     |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | 6-30-65  | SAMPLE DATE | 6-30-70  |
| FCALCIU          | PPB   | 50.00                       |                         | 08/27/87    | 53900.00 | 08/27/87    | 76000.00 |
|                  |       |                             |                         |             | NR       | 12/01/87    | 88100.00 |
| FIRON            | PPB   | 50.00                       |                         | 08/27/87    |          | 08/27/87    |          |
|                  |       |                             |                         |             | NR       | 12/01/87    |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/27/87    |          | 08/27/87    |          |
|                  |       |                             |                         |             | NR       | 12/01/87    | 888.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/27/87    | 21800.00 | 08/27/87    | 36600.00 |
|                  |       |                             |                         |             | NR       | 12/01/87    | 31800.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 08/27/87    | 5.00     | 08/27/87    | 22.00    |
|                  |       |                             |                         |             | NR       | 12/01/87    |          |
| FPOTASS          | PPB   | 100.00                      |                         | 08/27/87    | 6360.00  | 08/27/87    | 8480.00  |
|                  |       |                             |                         |             | NR       | 12/01/87    | 5840.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/27/87    | 24200.00 | 08/27/87    | 21200.00 |
|                  |       |                             |                         |             | NR       | 12/01/87    | 20400.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 08/27/87    | 300.00   | 08/27/87    | 430.00   |
|                  |       |                             |                         |             | NR       | 12/01/87    | 485.00   |
| FVANADI          | PPB   | 5.00                        |                         | 08/27/87    | 20.00    | 08/27/87    | 19.00    |
|                  |       |                             |                         |             | NR       | 12/01/87    | 20.00    |
| FZINC            | PPB   | 5.00                        |                         | 08/27/87    | 11.00    | 08/27/87    | 16.00    |
|                  |       |                             |                         |             | NR       | 12/01/87    | 21.00    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/27/87    | 340.00   | 08/27/87    | 420.00   |
|                  |       |                             |                         |             | NR       | 12/01/87    | 450.00   |
| METHYCH          | PPB   | 10.00                       |                         | 08/27/87    | 33500.00 | 08/27/87    | 17.00    |
|                  |       |                             |                         |             | NR       | 12/01/87    |          |
| NI-63            | PCI/L | 10.00                       | 50.00                   |             | NR       | 08/25/87    | 4.00     |
|                  |       |                             |                         |             |          |             | { 2.00 } |

C.151

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-38-85     |             | SAMPLE DATE | 6-38-70     |    | SAMPLE DATE | 6-39-70    |    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|----|-------------|------------|----|
|                  |       |                             |                         |             |             |             |             |             |    |             |            |    |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/27/87    | 180000.00 * | NR          | 08/27/87    | 262000.00 * | NR | 08/27/87    | 2300.00    | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 227000.00 * | NR | 12/02/87    | 5200.00    | NR |
| PH-LAB           |       | 0.01                        |                         | 08/27/87    | 7.91        | NR          | 08/27/87    | 7.91        | NR | 08/27/87    | 6.12       | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 7.68        | NR | 12/02/87    | 6.27       | NR |
| PHFIELD          |       | 0.10                        |                         | 08/27/87    | 8.60        | NR          | 08/27/87    | 8.60        | NR | 08/27/87    | 7.30       | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 7.70        | NR | 12/02/87    | 8.10       | NR |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/25/87    | 65.10 *     | { 54.10 }   | 08/25/87    | NR          | NR | 08/25/87    | NR         | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | NR          | NR | 12/02/87    | NR         | NR |
| SULFATE          | PPB   | 500.00                      |                         | 08/27/87    | 33100.00    | NR          | 08/27/87    | 48000.00    | NR | 08/27/87    | 14900.00   | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 45000.00    | NR | 12/02/87    | 14000.00   | NR |
| TC               | PPB   |                             |                         | 08/27/87    | 38000.00 0  | NR          | 08/27/87    | 29200.00 0  | NR | 08/27/87    | 21400.00 0 | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 31500.00 0  | NR | 12/02/87    | 23000.00 0 | NR |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR          | NR          | 08/25/87    | 1380.00 *   | NR |             | NR         | NR |
|                  |       |                             |                         |             |             |             |             | { 8.24 }    | NR |             | NR         | NR |
|                  |       |                             |                         |             |             |             | 09/15/87    | 2860.00 *   | NR |             | NR         | NR |
|                  |       |                             |                         |             |             |             |             | { 9.25 }    | NR |             | NR         | NR |
|                  |       |                             |                         |             |             |             | 12/03/87    | 2570.00 *   | NR |             | NR         | NR |
|                  |       |                             |                         |             |             |             |             | { 8.99 }    | NR |             | NR         | NR |
| TETRANE          | PPB   | 10.00                       | 5.00                    | 08/27/87    | NR          | NR          | 08/27/87    | 35.00 *     | NR | 08/27/87    | 260.00 *   | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 45.00 *     | NR | 12/02/87    | 360.00 *   | NR |
| TDC              | PPB   | 1000.00                     |                         | 08/27/87    | NR          | NR          | 08/27/87    | 1120.00     | NR | 08/27/87    | NR         | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | NR          | NR | 12/02/87    | 1170.00    | NR |
| TOXLDL           | PPB   | 20.00                       |                         | 08/27/87    | 27500.00    | NR          | 08/27/87    | 53.20       | NR | 08/27/87    | 192.00     | NR |
|                  |       |                             |                         |             |             |             | 12/01/87    | 52.10       | NR | 12/02/87    | 123.00     | NR |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/25/87    | 380000.00 * | { 2320.00 } | 08/25/87    | 1270.00     | NR | 08/25/87    | NR         | NR |
|                  |       |                             |                         |             |             |             |             | { 242.00 }  | NR |             | NR         | NR |
|                  |       |                             |                         | 10/20/87    | 350000.00 * | { 2230.00 } | 12/01/87    | 1060.00     | NR | 12/02/87    | NR         | NR |
|                  |       |                             |                         |             |             |             |             | { 231.00 }  | NR |             | NR         | NR |

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TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-38-65 |          | 6-38-70 |  | SAMPLE<br>DATE | 6-39-70 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------|---------|--|----------------|---------|
|                     |       |                                   |                               |                |         |          |         |  |                |         |
| U                   | PCI/L | 0.50                              | 600.00                        | 08/25/67       | 1.57    | 08/25/67 | 36.40   |  |                | NR      |
|                     |       |                                   |                               | 10/26/67       | 1.54    | 12/01/67 | 39.20   |  | NR             |         |
| U 234               | PCI/L | 0.10                              | 32.00                         |                | NR      | 09/15/67 | 23.20   |  |                | NR      |
|                     |       |                                   |                               |                |         | {        | 1.80}   |  |                |         |
| U 235               | PCI/L | 0.10                              | 32.00                         |                | NR      | 09/15/67 | 0.79    |  |                | NR      |
|                     |       |                                   |                               |                |         | {        | 0.35}   |  |                |         |
| U 238               | PCI/L | 0.10                              | 4.00                          |                | NR      | 09/15/67 | 22.60 * |  |                | NR      |
|                     |       |                                   |                               |                |         | {        | 1.86}   |  |                |         |
| U-236               | PCI/L | 0.10                              | 500.00                        |                | NR      | 09/15/67 | 0.34    |  |                | NR      |
|                     |       |                                   |                               |                |         | {        | 0.23}   |  |                |         |
| U-CHEM              | UG/L  | 0.73                              |                               |                | NR      | 12/03/67 | 56.40   |  |                | NR      |

C.153

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      |   | SAMPLE DATE |                              | SAMPLE DATE |                              |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|---|-------------|------------------------------|-------------|------------------------------|
|                  |       |                             |                         | 6-40-1                           | 6-40-33A  | 6-40-1      | 6-40-33A                     | 6-40-1      | 6-40-33A                     |
| ALKALIN          |       |                             |                         | 09/01/87<br>10/27/87             | 120000.00 0<br>125000.00 0                                    | 09/03/87    | 155000.00 0<br>NR            | 12/15/87    | 141000.00 0<br>NR            |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/07/87<br>09/01/87<br>10/27/87 | { 3.78<br>0.85 }<br>{ 1.79<br>1.25 }<br>{ 3.26<br>1.49 }      | 09/03/87    | NR<br>NR                     | 12/15/87    | { 1.30<br>1.24 }<br>NR<br>NR |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/07/87<br>09/01/87<br>10/27/87 | 63.20 *<br>{ 5.47 }<br>{ 45.90<br>6.87 }<br>{ 38.70<br>8.39 } | 09/03/87    | { 8.18<br>3.86 }<br>NR<br>NR | 12/15/87    | { 7.90<br>4.11 }<br>NR<br>NR |
| CHLORID          | PPB   | 500.00                      |                         | 09/01/87<br>10/27/87             | 9300.00<br>11100.00   | 09/03/87    | 3200.00<br>NR                | 12/15/87    | 9940.00<br>NR                |
| CONDFLD          | UMHO  | 1.00                        |                         | 09/01/87<br>10/27/87             | 301.00<br>454.00  | 09/03/87    | 261.00<br>NR                 | 12/15/87    | 452.00<br>NR                 |
| CYANIDE          | PPB   | 10.00                       |                         | 09/01/87<br>10/27/87             | 10.50   | 09/03/87    | NR                           | 12/15/87    | NR                           |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/01/87<br>10/27/87             |   | 09/03/87    | 6.00<br>NR                   | 12/15/87    | NR                           |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 09/01/87<br>10/27/87             | 58.00<br>64.00  | 09/03/87    | 83.00<br>NR                  | 12/15/87    | 87.00<br>NR                  |
| FCALCIU          | PPB   | 50.00                       |                         | 09/01/87<br>10/27/87             | 38200.00<br>41100.00  | 09/03/87    | 11900.00<br>NR               | 12/15/87    | 49100.00<br>NR               |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 09/01/87<br>10/27/87             | 10.00   | 09/03/87    | NR                           | 12/15/87    | NR                           |
| FIRON            | PPB   | 50.00                       |                         | 09/01/87                         |   | 09/03/87    | 128.00                       | 12/15/87    |                              |

C.154

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESSES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      |                                  | SAMPLE DATE |                | SAMPLE DATE          |                            |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|----------------------------------|-------------|----------------|----------------------|----------------------------|
|                  |       |                             |                         | 6-40-1                           | 6-40-33A                         | 6-40-1      | 6-40-33A       | 6-40-1               | 6-40-33A                   |
| FIRON            | PPB   | 50.00                       |                         | 10/27/87                         |                                  |             | NR             |                      | NR                         |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 09/01/87<br>10/27/87             | 569.00                           | 09/03/87    | 856.00<br>NR   | 12/15/87             | 551.00<br>NR               |
| FMAGNES          | PPB   | 0.00                        |                         | 09/01/87<br>10/27/87             | 12400.00<br>12800.00             | 09/03/87    | 3700.00<br>NR  | 12/15/87             | 10700.00<br>NR             |
| FMANGAN          | PPB   | 5.00                        |                         | 09/01/87<br>10/27/87             |                                  | 09/03/87    | 44.00<br>NR    | 12/15/87             | NR                         |
| FPOTASS          | PPB   | 100.00                      |                         | 09/01/87<br>10/27/87             | 5360.00<br>5740.00               | 09/03/87    | 8350.00<br>NR  | 12/15/87             | 5220.00<br>NR              |
| FSODIUM          | PPB   | 100.00                      |                         | 09/01/87<br>10/27/87             | 18300.00<br>19100.00             | 09/03/87    | 51800.00<br>NR | 12/15/87             | 18400.00<br>NR             |
| FSTRONT          | PPB   | 300.00                      |                         | 09/01/87<br>10/27/87             | 306.00<br>315.00                 | 09/03/87    | NR             | 12/15/87             | NR                         |
| FVANADI          | PPB   | 5.00                        |                         | 09/01/87<br>10/27/87             | 19.00<br>18.00                   | 09/03/87    | 8.00<br>NR     | 12/15/87             | 20.00<br>NR                |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/07/87<br>08/25/87<br>10/27/87 | 30900.00<br>39500.00<br>39500.00 |             | NR<br>NR<br>NR | 07/30/87<br>12/15/87 | 43500.00<br>47200.00<br>NR |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/01/87<br>10/27/87             | 395.00<br>385.00                 | 09/03/87    | 945.00<br>NR   | 12/15/87             | 415.00<br>NR               |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/01/87<br>10/27/87             | 35100.00<br>40800.00             | 09/03/87    | NR             | 12/15/87             | 47200.00<br>NR             |
| PH-LAB           |       | 0.01                        |                         | 09/01/87<br>10/27/87             | 7.73<br>7.98                     | 09/03/87    | 7.94<br>NR     | 12/15/87             | 7.77<br>NR                 |
| PHFIELD          |       | 0.10                        |                         | 09/01/87<br>10/27/87             | 8.70<br>7.60                     | 09/03/87    | 7.50<br>NR     | 12/15/87             | 7.80<br>NR                 |
| SULFATE          | PPB   | 500.00                      |                         | 09/01/87                         | 33900.00                         | 09/03/87    |                | 12/15/87             | 48400.00                   |

C.155

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-40-1                    | SAMPLE DATE | 6-40-33A   | SAMPLE DATE | 6-40-62                 |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------------|-------------|------------|-------------|-------------------------|
| SULFATE          | PPB   | 500.00                      |                         | 10/27/87    | 39900.00                  |             | NR         |             | NR                      |
| TC               | PPB   |                             |                         | 09/01/87    | 28500.00 0                | 09/03/87    | 39400.00 0 | 12/16/87    | 33700.00 0              |
|                  |       |                             |                         | 10/27/87    | 28500.00 0                |             | NR         |             | NR                      |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 10/27/87    | 270.00<br>{ 2.94}         |             | NR         |             | NR                      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/07/87    | 242000.00 *<br>{ 1830.00} | 09/03/87    |            | 07/30/87    | 65600.00 *<br>{ 973.00} |
|                  |       |                             |                         | 08/25/87    | 242000.00 *<br>{ 1640.00} | 12/08/87    |            | 12/16/87    | 78700.00 *<br>{ 917.00} |
|                  |       |                             |                         | 10/27/87    | 233000.00 *<br>{ 1830.00} |             | NR         |             | NR                      |
| U                | PCI/L | 0.50                        | 800.00                  | 08/07/87    | 2.81                      |             | NR         |             | NR                      |

C.156

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-41-1      | SAMPLE DATE | 6-42-2      | SAMPLE DATE | 6-43-3      |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----       | -----       | -----       |
| ALKALIN          |       |                             |                         | 10/27/87    | 124000.00 0 | 10/27/87    | 125000.00 0 | 10/28/87    | 125000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/07/87    | 3.53        | 08/07/87    | 2.08        | 08/07/87    | 3.53        |
|                  |       |                             |                         |             | { 0.80 }    |             | { 0.72 }    |             | { 0.81 }    |
|                  |       |                             |                         | 10/27/87    | 4.02        | 10/27/87    | 3.17        | 10/28/87    | 2.77        |
|                  |       |                             |                         |             | { 1.09 }    |             | { 1.53 }    |             | { 1.47 }    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/07/87    | 64.46 *     | 08/07/87    | 61.50 *     | 08/07/87    | 48.50       |
|                  |       |                             |                         |             | { 5.51 }    |             | { 5.41 }    |             | { 4.75 }    |
|                  |       |                             |                         | 10/27/87    | 40.10       | 10/27/87    | 41.20       | 10/28/87    | 50.10 *     |
|                  |       |                             |                         |             | { 8.44 }    |             | { 8.49 }    |             | { 7.09 }    |
| CHLORID          | PPB   | 500.00                      |                         | 10/27/87    | 11100.00    | 10/27/87    | 10900.00    | 10/28/87    | 11800.00    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/07/87    |             | 08/07/87    | 15.10       | 08/07/87    | 8.59        |
|                  |       |                             |                         |             |             |             | { 8.07 }    |             | { 8.49 }    |
| CONDFLD          | UMHO  | 1.00                        |                         | 10/27/87    | 400.00      | 10/27/87    | 400.00      |             | NR          |
| CYANIDE          | PPB   | 10.00                       |                         | 10/27/87    | 10.10       | 10/27/87    |             | 10/28/87    |             |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 10/27/87    | 60.00       | 10/27/87    | 40.00       | 10/28/87    | 53.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 10/27/87    | 40800.00    | 10/27/87    | 40100.00    | 10/28/87    | 42000.00    |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 10/27/87    | 10.00       | 10/27/87    |             | 10/28/87    | 11.00       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 10/27/87    | 505.00      | 10/27/87    | 587.00      | 10/28/87    | 1400.00     |
| FMAGNES          | PPB   | 0.00                        |                         | 10/27/87    | 12700.00    | 10/27/87    | 12800.00    | 10/28/87    | 13700.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 10/27/87    | 5500.00     | 10/27/87    | 5000.00     | 10/28/87    | 5200.00     |
| FSODIUM          | PPB   | 100.00                      |                         | 10/27/87    | 18000.00    | 10/27/87    | 10400.00    | 10/28/87    | 20000.00    |
| FSTRONT          | PPB   | 300.00                      |                         | 10/27/87    | 321.00      | 10/27/87    | 310.00      | 10/28/87    | 342.00      |
| FVANADI          | PPB   | 5.00                        |                         | 10/27/87    | 18.00       | 10/27/87    | 10.00       | 10/28/87    | 22.00       |

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0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.157

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-41-1                    | SAMPLE DATE                      | 6-42-2                           | SAMPLE DATE                      | 6-43-3                           |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/07/87    | 39000.00<br>NR<br>NR      | 07/31/87<br>08/07/87<br>10/27/87 | 34400.00<br>38000.00<br>38000.00 | 07/31/87<br>08/07/87<br>10/27/87 | 34500.00<br>37400.00<br>38700.00 |
| I-129            | PCI/L |                             | 500.00                  | 08/07/87    | { 0.17 0<br>0.01}         |                                  | NR                               |                                  | NR                               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 10/27/87    | 370.00                    | 10/27/87                         | 375.00                           | 10/20/87                         | 380.00                           |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/27/87    | 40400.00                  | 10/27/87                         | 39700.00                         | 10/20/87                         | 38000.00                         |
| PH-LAB           |       | 0.01                        |                         | 10/27/87    | 7.99                      | 10/27/87                         | 7.93                             | 10/20/87                         | 7.99                             |
| PHFIELD          |       | 0.10                        |                         | 10/27/87    | 7.50                      | 10/27/87                         | 7.50                             |                                  | NR                               |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/07/87    | { 87.00 *<br>53.30}       | 08/07/87                         |                                  | 08/07/87                         |                                  |
| SULFATE          | PPB   | 500.00                      |                         | 10/27/87    | 39500.00                  | 10/27/87                         | 39200.00                         | 10/20/87                         | 41200.00                         |
| TC               | PPB   |                             |                         | 10/27/87    | 31900.00 0                | 10/27/87                         | 31000.00 0                       | 10/20/87                         | 32500.00 0                       |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 08/07/87    | { 300.00<br>3.13}         |                                  | NR                               |                                  | NR                               |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/07/87    | 245000.00 *<br>{ 1800.00} | 07/31/87                         | 214000.00 *<br>{ 1730.00}        | 07/31/87                         | 220000.00 *<br>{ 1700.00}        |
|                  |       |                             |                         | 08/07/87    | 242000.00 *<br>{ 1850.00} | 08/07/87                         | 222000.00 *<br>{ 1500.00}        | 08/07/87                         | 230000.00 *<br>{ 1020.00}        |
|                  |       |                             |                         | 08/07/87    | 245000.00 *<br>{ 1800.00} | 10/27/87                         | 220000.00 *<br>{ 1810.00}        | 10/27/87                         | 233000.00 *<br>{ 1030.00}        |
|                  |       |                             |                         | 10/27/87    | 240000.00 *<br>{ 1800.00} |                                  | NR                               |                                  | NR                               |
|                  |       |                             |                         | 10/27/87    | 242000.00 *<br>{ 1800.00} |                                  | NR                               |                                  | NR                               |
| U                | PCI/L | 0.50                        | 000.00                  | 08/07/87    | 2.53                      | 08/07/87                         | 3.04                             | 08/07/87                         | 2.51                             |

C.158

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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C.159

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-43-88          |  | 8-44-84  |                  | 8-46-2   |                    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------------|--|----------|------------------|----------|--------------------|
|                     |       |                                   |                               |                |                  |  |          |                  |          |                    |
| ALKALIN             |       |                                   |                               | 09/15/87       | 87000.00 *       |  | 12/16/87 | 119000.00 *      | 10/28/87 | 124000.00 *        |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 09/15/87       |                  |  | 12/16/87 | 1.24<br>{ 1.14}  | 08/07/87 | 3.87<br>{ 0.83}    |
|                     |       |                                   |                               |                | NR               |  |          | NR               | 10/28/87 | 2.72<br>{ 1.53}    |
| BETA                | PCI/L | 8.00                              | 50.00                         | 09/15/87       | .6.93<br>{ 3.86} |  | 12/16/87 | 18.20<br>{ 4.66} | 08/07/87 | 52.20 *<br>{ 5.01} |
|                     |       |                                   |                               |                | NR               |  |          | NR               | 10/28/87 | 41.30<br>{ 0.51}   |
| CHLORID             | PPB   | 500.00                            |                               | 09/15/87       | 16200.00         |  | 12/16/87 | 11700.00         | 10/28/87 | 11400.00           |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                | NR               |  | 07/30/87 |                  | 07/31/87 | 17.30<br>{ 8.41}   |
|                     |       |                                   |                               |                | NR               |  | 12/16/87 |                  | 08/07/87 | 9.12<br>{ 0.45}    |
|                     |       |                                   |                               |                | NR               |  |          | NR               | 10/27/87 |                    |
| CONDFLD             | UMHO  | 1.00                              |                               | 09/15/87       | 323.00           |  | 12/16/87 | 340.00           |          | NR                 |
| CS-137              | PCI/L | 20.00                             | 200.00                        |                | NR               |  | 07/30/87 |                  | 07/31/87 | 4.48<br>{ 3.39}    |
|                     |       |                                   |                               |                | NR               |  | 12/16/87 |                  | 08/07/87 | 5.52<br>{ 3.00}    |
|                     |       |                                   |                               |                | NR               |  |          | NR               | 10/27/87 |                    |
| CYANIDE             | PPB   | 10.00                             |                               | 09/15/87       |                  |  | 12/16/87 | 17.00            | 10/28/87 |                    |
| FBARIUM             | PPB   | 6.00                              | 1000.00                       | 09/15/87       | 49.00            |  | 12/16/87 | 54.00            | 10/28/87 | 84.00              |
| FCALCIU             | PPB   | 50.00                             |                               | 09/15/87       | 38600.00         |  | 12/16/87 | 46200.00         | 10/28/87 | 39800.00           |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 09/15/87       |                  |  | 12/16/87 | 500.00           | 10/28/87 | 633.00             |
| FMAGNES             | PPB   | 0.00                              |                               | 09/15/87       | 8870.00          |  | 12/16/87 | 17400.00         | 10/28/87 | 12000.00           |
| FMANGAN             | PPB   | 5.00                              |                               | 09/15/87       | 43.00            |  | 12/16/87 |                  | 10/28/87 |                    |

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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-43-88    | SAMPLE DATE | 6-44-84    | SAMPLE DATE | 6-45-2      |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----      | -----       | -----      | -----       | -----       |
| FPOTASS          | PPB   | 100.00                      |                         | 09/15/87    | 4030.00    | 12/16/87    | 4920.00    | 10/28/87    | 5100.00     |
| FSODIUM          | PPB   | 100.00                      |                         | 09/15/87    | 12400.00   | 12/16/87    | 15900.00   | 10/28/87    | 10600.00    |
| FVANADI          | PPB   | 5.00                        |                         | 09/15/87    | 9.00       | 12/16/87    | 33.00      | 10/28/87    | 25.00       |
| FZINC            | PPB   | 5.00                        |                         | 09/15/87    |            | 12/16/87    | 5.00       | 10/28/87    |             |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR         | 07/30/87    | 47500.00 * | 07/31/87    | 33800.00    |
|                  |       |                             |                         |             | NR         | 12/16/87    | 50200.00 * | 08/07/87    | 35900.00    |
|                  |       |                             |                         |             | NR         |             | NR         | 10/27/87    | 30700.00    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/15/87    | 218.00     | 12/16/87    | 360.00     | 10/28/87    | 415.00      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/15/87    | 18400.00   | 12/16/87    | 50400.00 * | 10/28/87    | 37400.00    |
| PH-LAB           |       | 0.01                        |                         | 09/15/87    | 7.03       | 12/16/87    | 7.76       | 10/28/87    | 7.87        |
| PHFIELD          |       | 0.10                        |                         | 09/15/87    | 7.45       | 12/16/87    | 7.15       |             | NR          |
| SULFATE          | PPB   | 500.00                      |                         | 09/15/87    | 41100.00   | 12/16/87    | 31200.00   | 10/28/87    | 40300.00    |
| TC               | PPB   |                             |                         | 09/15/87    | 19300.00 0 | 12/16/87    | 28300.00 0 | 10/28/87    | 32600.00 0  |
| T0C              | PPB   | 1000.00                     |                         | 09/15/87    | 1110.00    | 12/16/87    |            | 10/28/87    |             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/15/87    | 333.00     | 07/30/87    | 483.00     | 07/31/87    | 213000.00 * |
|                  |       |                             |                         | 12/16/87    | { 200.00 } | 12/16/87    | { 181.00 } | 08/07/87    | { 1700.00 } |
|                  |       |                             |                         |             |            |             | 480.00     |             | 223000.00 * |
|                  |       |                             |                         |             |            |             | { 200.00 } |             | { 1570.00 } |
|                  |       |                             |                         |             | NR         |             | NR         | 10/27/87    | 210000.00 * |
|                  |       |                             |                         |             |            |             |            |             | { 1700.00 } |
| U                | PCI/L | 0.50                        | 000.00                  |             | NR         |             | NR         | 08/07/87    | 2.70        |

C.160

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-45-42     | SAMPLE DATE | 6-45-69A    | SAMPLE DATE | 6-46-4      |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ALKALIN          |       |                             |                         | 11/15/87    | 103000.00 0 | 08/27/87    | 122000.00 0 | 10/28/87    | 121000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/15/87    | 1.71        | 08/27/87    | 1.25        | 08/07/87    | 3.14        |
|                  |       |                             |                         | 10/14/87    | { 0.59}     |             | { 1.11}     | 10/28/87    | { 0.77}     |
|                  |       |                             |                         | 11/15/87    | { 0.81}     |             | NR          |             | { 3.26}     |
|                  |       |                             |                         | 11/15/87    | 1.89        |             | NR          |             | NR          |
|                  |       |                             |                         | 11/15/87    | { 1.23}     |             | NR          |             | NR          |
|                  |       |                             |                         | 12/03/87    | { 2.09}     |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 0.66}     |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.07}     |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 0.57}     |             | NR          |             | NR          |
| BARIUM           | PPB   | 0.00                        | 1000.00                 | 11/15/87    | 30.00       |             | NR          |             | NR          |
| BETA             | PCI/L | 0.00                        | 50.00                   | 09/15/87    | 4.01        | 08/27/87    | 10.20       | 08/07/87    | 43.00       |
|                  |       |                             |                         | 10/14/87    | { 1.00}     |             | { 4.19}     | 10/28/87    | { 4.54}     |
|                  |       |                             |                         | 11/15/87    | 4.75        |             | NR          |             | { 30.50}    |
|                  |       |                             |                         | 11/15/87    | { 1.71}     |             | NR          |             | { 5.04}     |
|                  |       |                             |                         | 11/15/87    | 0.07        |             | NR          |             | NR          |
|                  |       |                             |                         | 12/03/87    | { 3.05}     |             | NR          |             | NR          |
|                  |       |                             |                         |             | 2.95        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.54}     |             | NR          |             | NR          |
|                  |       |                             |                         |             | 4.07        |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 1.72}     |             | NR          |             | NR          |
| CALCIUM          | PPB   | 50.00                       |                         | 11/15/87    | 25200.00    |             | NR          |             | NR          |
| CHLORID          | PPB   | 500.00                      |                         | 11/15/87    | 5000.00     | 08/27/87    | 10000.00    | 10/28/87    | 11000.00    |
| CONDFLD          | UMHO  | 1.00                        |                         | 11/15/87    | 220.00      | 08/27/87    | 320.00      |             | NR          |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/04/87    |             | 08/19/87    |             | 08/07/87    |             |
|                  |       |                             |                         | 09/15/87    |             |             | NR          |             | NR          |
|                  |       |                             |                         | 10/14/87    |             |             | NR          |             | NR          |
|                  |       |                             |                         | 11/15/87    | 7.20        |             | NR          |             | NR          |
|                  |       |                             |                         | 12/03/87    | { 4.39}     |             | NR          |             | NR          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.161

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                     | SAMPLE DATE |                | SAMPLE DATE                      |                                  |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------|-------------|----------------|----------------------------------|----------------------------------|
|                  |       |                             |                         | 8-46-42     | 8-45-69A            | 8-45-69A    | 8-46-4         |                                  |                                  |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 11/15/87    | 38.00               | 08/27/87    | 25.00          | 10/28/87                         | 30.00                            |
| FCALCIU          | PPB   | 50.00                       |                         | 11/15/87    | 20600.00            | 08/27/87    | 34800.00       | 10/28/87                         | 39100.00                         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 11/15/87    |                     | 08/27/87    |                | 10/28/87                         | 11.00                            |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/15/87    | 634.00              | 08/27/87    |                | 10/28/87                         | 640.00                           |
| FMAGNES          | PPB   | 0.00                        |                         | 11/15/87    | 10200.00            | 08/27/87    | 15500.00       | 10/28/87                         | 12000.00                         |
| FMANGAN          | PPB   | 5.00                        |                         | 11/15/87    | 6.00                | 08/27/87    |                | 10/28/87                         |                                  |
| FPOTASS          | PPB   | 100.00                      |                         | 11/15/87    | 4300.00             | 08/27/87    | 3200.00        | 10/28/87                         | 6040.00                          |
| FSODIUM          | PPB   | 100.00                      |                         | 11/15/87    | 10500.00            | 08/27/87    | 11000.00       | 10/28/87                         | 22200.00                         |
| FSTRONT          | PPB   | 300.00                      |                         | 11/15/87    |                     | 08/27/87    |                | 10/28/87                         | 310.00                           |
| FVANADI          | PPB   | 5.00                        |                         | 11/15/87    | 32.00               | 08/27/87    | 29.00          | 10/28/87                         | 25.00                            |
| FZINC            | PPB   | 5.00                        |                         | 11/15/87    | 7.00                | 08/27/87    |                | 10/28/87                         |                                  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/04/87    | 0510.00<br>NR<br>NR |             | NR<br>NR<br>NR | 07/31/87<br>08/07/87<br>10/27/87 | 25100.00<br>20400.00<br>27000.00 |
| I-129            | PCI/L |                             | 500.00                  |             | NR                  |             | NR             | 07/31/87                         | 0.15<br>{ 0.01 }                 |
| IRON             | PPB   | 50.00                       |                         | 11/15/87    | 000.00              |             | NR             |                                  | NR                               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/15/87    | 595.00              | 08/27/87    | 390.00         | 10/28/87                         | 435.00                           |
| MAGNES           | PPB   | 0.00                        |                         | 11/15/87    | 10400.00            |             | NR             |                                  | NR                               |
| MANGESE          | PPB   | 5.00                        |                         | 11/15/87    | 12.00               |             | NR             |                                  | NR                               |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/15/87    | 7470.00             | 08/27/87    | 25500.00       | 10/28/87                         | 20400.00                         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.162

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-45-42    |  | 8-45-69A |            | 8-46-4   |             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|----------|------------|----------|-------------|
|                  |       |                             |                         |             |            |  |          |            |          |             |
| PH-LAB           |       | 0.01                        |                         | 11/15/87    | 0.00       |  | 08/27/87 | 0.00       | 10/28/87 | 7.95        |
| PHFIELD          |       | 0.10                        |                         | 11/15/87    | 7.60       |  | 08/27/87 | 7.20       |          | NR          |
| POTASUM          | PPB   | 100.00                      |                         | 11/15/87    | 4500.00    |  |          | NR         |          | NR          |
| PU-238           | PCI/L | 17.00                       | 5000.00                 | 09/15/87    | 0.02       |  |          | NR         |          | NR          |
|                  |       |                             |                         |             | { 0.02 }   |  |          |            |          |             |
|                  |       |                             |                         | 10/14/87    |            |  |          | NR         |          | NR          |
|                  |       |                             |                         | 11/15/87    |            |  |          | NR         |          | NR          |
|                  |       |                             |                         | 12/03/87    |            |  |          | NR         |          | NR          |
| SODIUM           | PPB   | 100.00                      |                         | 11/15/87    | 19300.00   |  |          | NR         |          | NR          |
| SULFATE          | PPB   | 500.00                      |                         | 11/15/87    | 34000.00   |  | 08/27/87 | 48300.00   | 10/28/87 | 45300.00    |
| TC               | PPB   |                             |                         | 11/15/87    | 21000.00 0 |  | 08/27/87 | 27700.00 0 | 10/28/87 | 31900.00 0  |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         |  |          | NR         | 07/31/87 | 192.00      |
|                  |       |                             |                         |             |            |  |          |            |          | { 2.59 }    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/04/87    | 54100.00 * |  | 08/19/87 | 487.00     | 07/31/87 | 150000.00 * |
|                  |       |                             |                         |             | { 781.00 } |  |          | { 210.00 } |          | { 1490.00 } |
|                  |       |                             |                         | 09/15/87    | 52800.00 * |  | 11/25/87 | 388.00     | 08/07/87 | 159000.00 * |
|                  |       |                             |                         |             | { 883.00 } |  |          | { 172.00 } |          | { 1330.00 } |
|                  |       |                             |                         | 10/14/87    | 52900.00 * |  |          | NR         | 10/27/87 | 152000.00 * |
|                  |       |                             |                         |             | { 886.00 } |  |          |            |          | { 1480.00 } |
|                  |       |                             |                         | 11/15/87    | 51100.00 * |  |          | NR         |          | NR          |
|                  |       |                             |                         |             | { 869.00 } |  |          |            |          |             |
|                  |       |                             |                         | 12/03/87    | 51200.00 * |  |          | NR         |          | NR          |
|                  |       |                             |                         |             | { 870.00 } |  |          |            |          |             |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR         |  |          | NR         | 08/07/87 | 2.33        |
| U 234            | PCI/L | 0.10                        | 32.00                   | 09/15/87    | 1.14       |  |          | NR         |          | NR          |
|                  |       |                             |                         |             | { 0.10 }   |  |          |            |          |             |
|                  |       |                             |                         | 10/14/87    | 1.07       |  |          | NR         |          | NR          |
|                  |       |                             |                         |             | { 0.09 }   |  |          |            |          |             |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.163



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-45-42                      | SAMPLE DATE | 6-45-89A | SAMPLE DATE | 6-45-4 |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------|-------------|----------|-------------|--------|
|                  |       |                             |                         |             |                              |             |          |             |        |
| U 234            | PCI/L | 0.10                        | 32.00                   | 11/15/87    | 1.24                         |             | NR       |             | NR     |
|                  |       |                             |                         | 12/03/87    | { 0.10 }<br>1.02<br>{ 0.09 } |             | NR       |             | NR     |
| U 235            | PCI/L | 0.10                        | 32.00                   | 09/15/87    | 0.04                         |             | NR       |             | NR     |
|                  |       |                             |                         | 10/14/87    | { 0.02 }<br>0.03             |             | NR       |             | NR     |
|                  |       |                             |                         | 11/15/87    | { 0.02 }<br>0.03             |             | NR       |             | NR     |
|                  |       |                             |                         | 12/03/87    | { 0.02 }<br>0.03<br>{ 0.02 } |             | NR       |             | NR     |
| U 238            | PCI/L | 0.10                        | 4.00                    | 09/15/87    | 0.86                         |             | NR       |             | NR     |
|                  |       |                             |                         | 10/14/87    | { 0.09 }<br>0.88             |             | NR       |             | NR     |
|                  |       |                             |                         | 11/15/87    | { 0.08 }<br>0.99             |             | NR       |             | NR     |
|                  |       |                             |                         | 12/03/87    | { 0.09 }<br>0.80<br>{ 0.08 } |             | NR       |             | NR     |
| U-CHEM           | UG/L  | 0.73                        |                         | 09/15/87    | 1.05                         |             | NR       |             | NR     |
|                  |       |                             |                         | 10/14/87    | 2.54                         |             | NR       |             | NR     |
|                  |       |                             |                         | 11/15/87    | 1.90                         |             | NR       |             | NR     |
|                  |       |                             |                         | 12/03/87    | 2.48                         |             | NR       |             | NR     |
| VANADIUM         | PPB   | 5.00                        |                         | 11/15/87    | 31.00                        |             | NR       |             | NR     |
| ZINC             | PPB   | 5.00                        |                         | 11/15/87    | 0.00                         |             | NR       |             | NR     |

C.164

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

C.165

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 8-47-6      |             | 8-47-46A    |            | 8-47-50     |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE      | SAMPLE DATE | VALUE      |
| ALKALIN          |       |                             |                         | 10/13/87    | 121000.00 0 | 12/15/87    | 92000.00 0 | 12/15/87    | 95300.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/07/87    | 1.95        | 12/15/87    | 1.32       | 12/15/87    | 1.86       |
|                  |       |                             |                         | 10/13/87    | { 0.63}     |             | { 1.26}    |             | { 1.68}    |
|                  |       |                             |                         |             | { 4.75}     |             | NR         |             | NR         |
|                  |       |                             |                         |             | { 1.81}     |             |            |             |            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/07/87    | 27.00       | 12/15/87    | 10.90      | 12/15/87    | 11.00      |
|                  |       |                             |                         | 10/13/87    | { 3.68}     |             | { 4.20}    |             | { 4.40}    |
|                  |       |                             |                         |             | { 22.70}    |             | NR         |             | NR         |
|                  |       |                             |                         |             | { 5.24}     |             |            |             |            |
| CHLORID          | PPB   | 500.00                      |                         | 10/13/87    | 12100.00    | 12/15/87    | 20800.00   | 12/15/87    | 20000.00   |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/09/87    |             | 08/04/87    |            | 08/04/87    | 5.00       |
|                  |       |                             |                         | 08/07/87    | 5.70        |             | NR         | 12/15/87    | { 4.58}    |
|                  |       |                             |                         | 10/13/87    | { 5.10}     |             | NR         |             | NR         |
| CONDFLD          | UMHD  | 1.00                        |                         | 10/13/87    | 382.00      | 12/15/87    | 410.00     | 12/15/87    | 490.00     |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 10/13/87    | 36.00       | 12/15/87    | 51.00      |             | NR         |
| FCALCIU          | PPB   | 50.00                       |                         | 10/13/87    | 42700.00    | 12/15/87    | 44400.00   |             | NR         |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 10/13/87    | 851.00      | 12/15/87    | 880.00     | 12/15/87    | 700.00     |
| FMAGNES          | PPB   | 8.00                        |                         | 10/13/87    | 10500.00    | 12/15/87    | 14900.00   |             | NR         |
| FPOTASS          | PPB   | 100.00                      |                         | 10/13/87    | 5430.00     | 12/15/87    | 7300.00    |             | NR         |
| FSODIUM          | PPB   | 100.00                      |                         | 10/13/87    | 24300.00    | 12/15/87    | 22400.00   |             | NR         |
| FSTRONT          | PPB   | 300.00                      |                         | 10/13/87    |             | 12/15/87    | 300.00     |             | NR         |
| FVANADI          | PPB   | 5.00                        |                         | 10/13/87    | 14.00       | 12/15/87    | 22.00      |             | NR         |
| FZINC            | PPB   | 5.00                        |                         | 10/13/87    | 6.00        | 12/15/87    |            |             | NR         |

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 NR - ANALYSIS NOT REQUESTED OR NDT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESSES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS       | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |            | SAMPLE DATE |                    |
|------------------|-------------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|--------------------|
|                  |             |                             |                         | 6-47-5      | 6-47-46A    | 6-47-50     | 6-47-50    | 6-47-50     |                    |
| HNITRAT          | PPB         | 2500.00                     | 45000.00                | 07/09/87    | 24100.00    | 08/04/87    | 13100.00   | 09/16/87    | 0750.00            |
|                  |             |                             |                         | 08/07/87    | 27200.00    | 12/15/87    | 12900.00   | NR          |                    |
|                  |             |                             |                         | 08/11/87    | 29000.00    | NR          | NR         |             |                    |
|                  |             |                             |                         | 09/08/87    | 32200.00    | NR          | NR         |             |                    |
|                  |             |                             |                         | 10/13/87    | 27400.00    | NR          | NR         |             |                    |
|                  |             |                             |                         | 11/08/87    | 31600.00    | NR          | NR         |             |                    |
|                  |             |                             |                         | 12/03/87    | 27000.00    | NR          | NR         |             |                    |
| I-129            | PCI/L       |                             | 500.00                  |             | NR          |             | NR         | 08/04/87    | 0.01 0<br>{ 0.00 } |
| LFLUORD          | PPB         | 20.00                       | 4000.00                 | 10/13/87    | 390.00      | 12/15/87    | 500.00     | 12/15/87    | 500.00             |
| NITRATE          | PPB         | 500.00                      | 45000.00                | 10/13/87    | 28000.00    | 12/15/87    | 14400.00   | 12/15/87    | 9100.00            |
| PH-LAB           |             | 0.01                        |                         | 10/13/87    | 7.70        | 12/15/87    | 7.80       | 12/15/87    | 7.59               |
| PHFIELD          |             | 0.10                        |                         | 10/13/87    | 7.40        | 12/15/87    | 7.60       | 12/15/87    | 6.80               |
| RU-100           | PCI/L       | 172.50                      | 30.00                   | 07/09/87    | 07.00 *     | 08/04/87    | 00.20 *    | 08/04/87    |                    |
|                  |             |                             |                         |             | { 04.00 }   |             | { 40.00 }  | 12/15/87    |                    |
|                  |             |                             |                         | 08/07/87    | NR          | 12/15/87    | NR         |             |                    |
|                  |             |                             |                         | 10/13/87    |             |             |            |             | NR                 |
| SULFATE          | PPB         | 500.00                      |                         | 10/13/87    | 50700.00    | 12/15/87    | 90000.00   | 12/15/87    | 101000.00          |
| TC               | PPB         |                             |                         | 10/13/87    | 28100.00 0  | 12/15/87    | 20000.00 0 | 12/15/87    | 23400.00 0         |
| TRITIUM          | PCI/L       | 500.00                      | 20000.00                | 07/09/87    | 104000.00 * | 08/04/87    |            | 09/16/87    |                    |
|                  |             |                             |                         |             | { 1510.00 } |             |            |             |                    |
|                  |             |                             |                         | 08/07/87    | 177000.00 * | 12/15/87    |            | NR          |                    |
|                  |             |                             |                         |             | { 1400.00 } |             |            |             |                    |
|                  |             |                             |                         | 08/11/87    | 170000.00 * |             | NR         | NR          |                    |
|                  | { 1390.00 } |                             |                         |             |             |             |            |             |                    |
|                  |             |                             |                         | 09/08/87    | 211000.00 * |             | NR         | NR          |                    |
|                  |             |                             |                         |             | { 1750.00 } |             |            |             |                    |
|                  |             |                             |                         | 10/13/87    | 101000.00 * |             | NR         | NR          |                    |
|                  |             |                             |                         |             | { 1610.00 } |             |            |             |                    |

C.166

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-47-6                    | SAMPLE DATE | 6-47-46A | SAMPLE DATE | 6-47-50 |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------------------|-------------|----------|-------------|---------|
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 11/08/87    | 20000.00 *<br>{ 1720.00 } |             | NR       |             | NR      |
|                  |       |                             |                         | 12/03/87    | 18200.00 *<br>{ 1810.00 } |             | NR       |             | NR      |
| U                | PCI/L | 0.50                        | 666.00                  | 07/09/87    | 1.71                      | 08/04/87    | 1.43     |             | NR      |
|                  |       |                             |                         | 08/07/87    | 2.19                      |             | NR       |             | NR      |
|                  |       |                             |                         | 10/13/87    | 2.20                      |             | NR       |             | NR      |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-47-88          | SAMPLE DATE | 6-48-7           | SAMPLE DATE | 6-48-18           |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|-------------------|
|                  |       |                             |                         | -----       | -----            | -----       | -----            | -----       | -----             |
| ALKALIN          |       |                             |                         | 11/30/87    | 120000.00 0      | 09/01/87    | 104000.00 0      | 08/25/87    | 119000.00 0       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 11/30/87    |                  | 09/01/87    | { 1.95<br>0.95 } | 08/25/87    | { 2.49<br>1.99 }  |
| AMMONIU          | PPB   | 50.00                       |                         | 11/30/87    | 63.00            | 09/01/87    |                  | 08/25/87    |                   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 11/30/87    | { 8.23<br>3.87 } | 09/01/87    | { 3.60<br>3.35 } | 08/25/87    | { 11.10<br>4.35 } |
| CHLORID          | PPB   | 500.00                      |                         | 11/30/87    | 9990.00          | 09/01/87    | 4490.00          | 08/25/87    | 9430.00           |
| CONDFLD          | UMHO  | 1.00                        |                         | 11/30/87    | 345.00           | 09/01/87    | 217.00           |             | NR                |
| FARSEMI          | PPB   | 5.00                        | 50.00                   | 11/30/87    | 9.00             | 09/01/87    |                  | 08/25/87    |                   |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 11/30/87    | 39.00            | 09/01/87    | 33.00            | 08/25/87    | 34.00             |
| FCALCIU          | PPB   | 50.00                       |                         | 11/30/87    | 37900.00         | 09/01/87    | 20000.00         | 08/25/87    | 38900.00          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/30/87    | 720.00           | 09/01/87    |                  | 08/25/87    |                   |
| FMAGNES          | PPB   | 0.00                        |                         | 11/30/87    | 12300.00         | 09/01/87    | 8180.00          | 08/25/87    | 12200.00          |
| FPOTASS          | PPB   | 100.00                      |                         | 11/30/87    | 5710.00          | 09/01/87    | 1930.00          | 08/25/87    | 5810.00           |
| FSODIUM          | PPB   | 100.00                      |                         | 11/30/87    | 25500.00         | 09/01/87    | 9770.00          | 08/25/87    | 13300.00          |
| FVANADI          | PPB   | 5.00                        |                         | 11/30/87    | 17.00            | 09/01/87    | 5.00             | 08/25/87    | 13.00             |
| FZINC            | PPB   | 5.00                        |                         | 11/30/87    |                  | 09/01/87    |                  | 08/25/87    | 5.00              |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/04/87    | 21700.00         |             | NR               |             | NR                |
|                  |       |                             |                         | 11/30/87    | 22700.00         |             | NR               |             | NR                |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/30/87    | 655.00           | 09/01/87    | 178.00           | 08/25/87    | 250.00            |
| METHYCH          | PPB   | 10.00                       |                         | 11/30/87    |                  | 09/01/87    |                  | 08/25/87    | 80.00             |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-47-88        |            | 6-48-7         |                       | 6-48-18        |                       |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|-----------------------|----------------|-----------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE | VALUE      | SAMPLE<br>DATE | VALUE                 | SAMPLE<br>DATE | VALUE                 |
| NITRATE             | PPB   | 500.00                            | 45000.00                      | 11/30/87       | 24300.00   | 09/01/87       | 6350.00               | 08/26/87       | 6660.00               |
| PH-LAB              |       | 0.01                              |                               | 11/30/87       | 8.04       | 09/01/87       | 7.39                  | 08/26/87       | 7.70                  |
| PHFIELD             |       | 0.10                              |                               | 11/30/87       | 7.60       | 09/01/87       | 6.30                  |                | NR                    |
| SULFATE             | PPB   | 500.00                            |                               | 11/30/87       | 49500.00   | 09/01/87       | 20000.00              | 08/26/87       | 52200.00              |
| TC                  | PPB   |                                   |                               | 11/30/87       | 28400.00 0 | 09/01/87       | 28800.00 0            | 08/26/87       | 28500.00 0            |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/04/87       |            | 08/26/87       |                       | 08/26/87       |                       |
|                     |       |                                   |                               | 11/30/87       |            | 10/21/87       |                       | 11/02/87       |                       |
|                     |       |                                   |                               |                |            |                | { 277.00<br>{ 168.00} |                | { 302.00<br>{ 167.00} |
| U                   | PCI/L | 0.50                              | 000.00                        | 08/04/87       | 1.55       |                | NR                    |                | NR                    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-48-71     | SAMPLE DATE | 6-49-55A   | SAMPLE DATE | 6-49-57     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----      | -----       | -----       |
| ALKALIN          |       |                             |                         | 09/03/87    | 107000.00 0 | 08/26/87    | 05800.00 0 | 09/10/87    | 105000.00 0 |
|                  |       |                             |                         |             | NR          | 11/30/87    | 06800.00 0 | 11/30/87    | 102000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/03/87    |             | 08/26/87    |            | 09/10/87    |             |
|                  |       |                             |                         |             | NR          | 11/30/87    | 4.01       | 11/30/87    | 1.50        |
|                  |       |                             |                         |             | NR          | 11/30/87    | { 2.48}    | 11/30/87    | { 1.15}     |
|                  |       |                             |                         |             | NR          | 11/30/87    | { 1.95}    | 11/30/87    |             |
| AMMONIU          | PPB   | 50.00                       |                         | 09/03/87    |             | 08/26/87    | 250.00     | 09/10/87    |             |
|                  |       |                             |                         |             | NR          | 11/30/87    | 640.00     | 11/30/87    | 66.00       |
|                  |       |                             |                         |             | NR          | 11/30/87    | 640.00     | 11/30/87    |             |
|                  |       |                             |                         |             | NR          | 11/30/87    | 620.00     | 11/30/87    |             |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/03/87    | 5.21        | 08/26/87    | 1100.00 *  | 09/10/87    | 100.00 *    |
|                  |       |                             |                         |             | { 3.61}     | 11/30/87    | { 33.30}   | 11/30/87    | { 12.60}    |
|                  |       |                             |                         |             | NR          | 11/30/87    | 1300.00 *  | 11/30/87    | 200.00 *    |
|                  |       |                             |                         |             | NR          | 11/30/87    | { 36.70}   | 11/30/87    | { 15.90}    |
|                  |       |                             |                         |             | NR          | 11/30/87    | 1210.00 *  | 11/30/87    | 297.00 *    |
| CHLORID          | PPB   | 500.00                      |                         | 09/03/87    |             | 08/26/87    | 10200.00   | 09/10/87    | 3650.00     |
|                  |       |                             |                         |             | NR          | 11/30/87    | 15000.00   | 11/30/87    | 4210.00     |
|                  |       |                             |                         |             | NR          | 11/30/87    | 15100.00   | 11/30/87    | 4100.00     |
|                  |       |                             |                         |             | NR          | 11/30/87    | 15100.00   | 11/30/87    | 4100.00     |
| CO-60            | PCI/L | 22.50                       | 100.00                  |             | NR          | 08/25/87    | 182.00 *   | 08/25/87    | 24.70       |
|                  |       |                             |                         |             | NR          | 11/30/87    | { 30.90}   | 11/30/87    | { 10.30}    |
| CONDFLD          | UMHD  | 1.00                        |                         | 09/03/87    | 271.00      | 08/26/87    | 733.00     | 09/10/87    | 204.00      |
|                  |       |                             |                         |             | NR          | 11/30/87    | 850.00     | 11/30/87    | 337.00      |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR          | 08/25/87    |            | 08/25/87    | 0.33        |
|                  |       |                             |                         |             |             |             |            |             | { 4.99}     |

C.170

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-48-71  | SAMPLE DATE | 6-49-55A | SAMPLE DATE | 6-49-57          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|------------------|
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR       | 11/30/87    |          | 11/30/87    | 5.47<br>{ 3.87 } |
| CYANIDE          | PPB   | 10.00                       |                         | 09/03/87    |          | 08/26/87    | 271.00   | 09/10/87    | 19.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 342.00   | 11/30/87    | 61.90            |
|                  |       |                             |                         |             | NR       |             | NR       | 11/30/87    | 48.90            |
|                  |       |                             |                         |             | NR       |             | NR       | 11/30/87    | 61.50            |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/03/87    |          | 08/26/87    |          | 09/10/87    | 18.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 6.00     | 11/30/87    | 10.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 9.00     | 11/30/87    | 11.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 8.00     | 11/30/87    | 11.00            |
| FBARIUM          | PPB   | 5.00                        | 1000.00                 | 09/03/87    | 25.00    | 08/26/87    | 48.00    | 09/10/87    | 21.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 50.00    | 11/30/87    | 27.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 52.00    | 11/30/87    | 29.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 51.00    | 11/30/87    | 28.00            |
| FBERYLL          | PPB   | 5.00                        |                         | 09/03/87    |          | 08/26/87    |          | 09/10/87    | 5.00             |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
| FCADMIU          | PPB   | 2.00                        | 15.00                   | 09/03/87    |          | 08/26/87    |          | 09/10/87    | 2.00             |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    |                  |
| FCALCIU          | PPB   | 50.00                       |                         | 09/03/87    | 27800.00 | 08/26/87    | 80500.00 | 09/10/87    | 19700.00         |
|                  |       |                             |                         |             | NR       | 11/30/87    | 94900.00 | 11/30/87    | 24100.00         |
|                  |       |                             |                         |             | NR       | 11/30/87    | 93200.00 | 11/30/87    | 24800.00         |
|                  |       |                             |                         |             | NR       | 11/30/87    | 97600.00 | 11/30/87    | 24400.00         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 09/03/87    |          | 08/26/87    |          | 09/10/87    |                  |
|                  |       |                             |                         |             | NR       | 11/30/87    | 10.00    | 11/30/87    | 11.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    | 10.00    | 11/30/87    | 11.00            |
|                  |       |                             |                         |             | NR       | 11/30/87    |          | 11/30/87    | 10.00            |
| FIRON            | PPB   | 50.00                       |                         | 09/03/87    |          | 08/26/87    | 100.00   | 09/10/87    |                  |

C.171

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          |          | SAMPLE DATE | 8-49-67  |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|----------|-------------|----------|
|                  |       |                             |                         |             | 6-48-71     | 8-49-66A | 8-49-67  |             |          |
| FIRON            | PPB   | 50.00                       |                         |             | NR          | 11/30/87 | 110.00   | 11/30/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 130.00   | 11/30/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 145.00   | 11/30/87    |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 09/03/87    |             | 08/26/87 |          | 09/10/87    | 812.00   |
|                  |       |                             |                         |             | NR          | 11/30/87 | 777.00   | 11/30/87    | 1080.00  |
|                  |       |                             |                         |             | NR          | 11/30/87 | 740.00   | 11/30/87    | 1040.00  |
| FMAGNES          | PPB   | 0.00                        |                         | 09/03/87    | 12100.00    | 08/26/87 | 24800.00 | 09/10/87    | 5920.00  |
|                  |       |                             |                         |             | NR          | 11/30/87 | 20100.00 | 11/30/87    | 7630.00  |
|                  |       |                             |                         |             | NR          | 11/30/87 | 26200.00 | 11/30/87    | 7970.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 09/03/87    |             | 08/26/87 | 20.00    | 09/10/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 23.00    | 11/30/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 23.00    | 11/30/87    |          |
| FMERCUR          | PPB   | 0.10                        | 2.00                    | 09/03/87    |             | 08/26/87 |          | 09/10/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 |          | 11/30/87    | 0.12     |
|                  |       |                             |                         |             | NR          |          | NR       | 11/30/87    | 0.12     |
| FPOTASS          | PPB   | 100.00                      |                         | 09/03/87    | 3300.00     | 08/26/87 | 11900.00 | 09/10/87    | 5200.00  |
|                  |       |                             |                         |             | NR          | 11/30/87 | 11700.00 | 11/30/87    | 6530.00  |
|                  |       |                             |                         |             | NR          | 11/30/87 | 11900.00 | 11/30/87    | 6900.00  |
| FSODDIUM         | PPB   | 100.00                      |                         | 09/03/87    | 10200.00    | 08/26/87 | 44400.00 | 09/10/87    | 45200.00 |
|                  |       |                             |                         |             | NR          | 11/30/87 | 46600.00 | 11/30/87    | 40300.00 |
|                  |       |                             |                         |             | NR          | 11/30/87 | 40800.00 | 11/30/87    | 40800.00 |
| FSTRDNT          | PPB   | 300.00                      |                         | 09/03/87    |             | 08/26/87 | 430.00   | 09/10/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 444.00   | 11/30/87    |          |
|                  |       |                             |                         |             | NR          | 11/30/87 | 406.00   | 11/30/87    |          |
| FVANADI          | PPB   | 5.00                        |                         | 09/03/87    | 29.00       | 08/26/87 | 11.00    | 09/10/87    | 30.00    |

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C.172

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 6-48-71     | 6-49-55A   | 6-49-57     | 6-49-57     | 6-49-57     |            |
| FVANADI          | PPB   | 5.00                        |                         | NR          |            | 11/30/87    | 10.00       | 11/30/87    | 30.00      |
|                  |       |                             |                         | NR          |            | 11/30/87    | 10.00       | 11/30/87    | 30.00      |
|                  |       |                             |                         | NR          |            | 11/30/87    | 10.00       | 11/30/87    | 25.00      |
| FZINC            | PPB   | 5.00                        |                         | 09/03/87    |            | 08/26/87    |             | 09/10/87    | 7.00       |
|                  |       |                             |                         | NR          |            | 11/30/87    |             | 11/30/87    |            |
|                  |       |                             |                         | NR          |            | 11/30/87    |             | 11/30/87    | 5.00       |
| I-129            | PCI/L |                             | 500.00                  | NR          |            | 09/04/87    | 0.05 0      | 09/04/87    | 0.20 0     |
|                  |       |                             |                         |             |            |             | { 0.00 }    |             | { 0.02 }   |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/03/87    | 482.00     | 08/26/87    | 428.00      | 09/10/87    | 1000.00    |
|                  |       |                             |                         | NR          |            | 11/30/87    | 455.00      | 11/30/87    | 1000.00    |
|                  |       |                             |                         | NR          |            | 11/30/87    | 450.00      | 11/30/87    | 1030.00    |
|                  |       |                             |                         | NR          |            | 11/30/87    | 460.00      | 11/30/87    | 1030.00    |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/03/87    | 24900.00   | 08/26/87    | 214000.00 * | 09/10/87    | 50500.00 * |
|                  |       |                             |                         | NR          |            | 11/30/87    | 251000.00 * | 11/30/87    | 00900.00 * |
|                  |       |                             |                         | NR          |            | 11/30/87    | 252000.00 * | 11/30/87    | 70000.00 * |
|                  |       |                             |                         | NR          |            | 11/30/87    | 253000.00 * | 11/30/87    | 00000.00 * |
| PH-LAB           |       | 0.01                        |                         | 09/03/87    | 7.00       | 08/26/87    | 7.00        | 09/10/87    | 7.02       |
|                  |       |                             |                         | NR          |            | 11/30/87    | 7.00        | 11/30/87    | 8.07       |
| PHFIELD          |       | 0.10                        |                         | 09/03/87    | 7.30       | 08/26/87    | 7.50        | 09/10/87    | 7.20       |
|                  |       |                             |                         | NR          |            | 11/30/87    | 7.70        | 11/30/87    | 7.70       |
| RU-106           | PCI/L | 172.50                      | 30.00                   | NR          |            | 08/26/87    |             | 08/26/87    |            |
|                  |       |                             |                         | NR          |            | 11/30/87    |             | 11/30/87    | 51.50 *    |
|                  |       |                             |                         |             |            |             |             | { 34.40 }   |            |
| SULFATE          | PPB   | 500.00                      |                         | 09/03/87    | 28800.00   | 08/26/87    | 150000.00   | 09/10/87    | 34100.00   |
|                  |       |                             |                         | NR          |            | 11/30/87    | 140000.00   | 11/30/87    | 30900.00   |
|                  |       |                             |                         | NR          |            | 11/30/87    | 140000.00   | 11/30/87    | 30900.00   |
|                  |       |                             |                         | NR          |            | 11/30/87    | 140000.00   | 11/30/87    | 30000.00   |
| TC               | PPB   |                             |                         | 09/03/87    | 25200.00 0 | 08/26/87    | 17000.00 0  | 09/10/87    | 24200.00 0 |
|                  |       |                             |                         | NR          |            | 11/30/87    | 23100.00 0  | 11/30/87    | 24100.00 0 |

C.173

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-48-71 | SAMPLE<br>DATE | 8-49-55A               | SAMPLE<br>DATE | 8-49-57               |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|------------------------|----------------|-----------------------|
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/25/87       |         | 08/25/87       | 16900.00<br>{ 530.00 } | 08/25/87       | 1720.00<br>{ 254.00 } |
|                     |       |                                   |                               | 12/16/87       |         | 11/30/87       | 16100.00<br>{ 515.00 } | 11/30/87       | 3340.00<br>{ 293.00 } |
| U                   | PCI/L | 0.50                              | 800.00                        |                | NR      | 08/25/87       | 3.23                   |                | NR                    |

C.174

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |  | SAMPLE DATE                                  |  | SAMPLE DATE |                                    |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|--|--|-------------|------------------------------------|
|                  |       |                             |                         | 8-49-79              | 8-50-85                                    | 8-50-83                                      | 8-50-85  | 8-50-85     |                                    |
| ALKALIN          |       |                             |                         | 08/28/87<br>11/30/87 | 99400.00 0<br>103000.00 0                  | 08/26/87<br>12/07/87                         | 50000.00 0<br>69000.00 0   | 12/11/87    | 110000.00 0<br>NR                  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/26/87<br>11/30/87 |  | 08/26/87<br>12/07/87                         | 2.76<br>{ 2.12 }<br>0.00<br>{ 4.00 }<br>4.76<br>{ 4.50 }   | 12/11/87    | 1.64<br>{ 1.20 }<br>NR<br>NR<br>NR |
| AMMONIU          | PPB   | 50.00                       |                         | 08/26/87<br>11/30/87 | 57.00<br>NR<br>NR                          | 08/26/87<br>12/07/87<br>12/07/87<br>12/07/87 |  |             | NR<br>NR<br>NR<br>NR               |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/26/87<br>11/30/87 | 7.60<br>{ 3.98 }<br>3.79<br>{ 3.49 }<br>NR | 08/26/87<br>12/07/87<br>12/07/87<br>12/07/87 | 1850.00 +<br>{ 35.40 }<br>2000.00 +<br>{ 58.10 }<br>2570.00 +<br>{ 51.50 }<br>2770.00 +<br>{ 55.20 } | 12/11/87    | 9.67<br>{ 8.28 }<br>NR<br>NR<br>NR |
| CHLORID          | PPB   | 500.00                      |                         | 08/26/87<br>11/30/87 | 9190.00<br>9610.00<br>NR<br>NR             | 08/26/87<br>12/07/87<br>12/07/87<br>12/07/87 | 40000.00<br>112000.00<br>113000.00<br>113000.00  | 12/11/87    | 9710.00<br>NR<br>NR<br>NR          |
| CO-60            | PCI/L | 22.50                       | 100.00                  |                      | NR<br>NR                                   | 08/25/87<br>12/07/87                         | 411.00 +<br>{ 44.80 }<br>487.00 +<br>{ 40.40 }   |             | NR<br>NR                           |
| CDNDFLD          | UMHG  | 1.00                        |                         | 08/26/87<br>11/30/87 | 284.00<br>350.00                           | 08/26/87<br>12/07/87                         | 1200.00<br>1152.00   | 12/11/87    | 283.00<br>NR                       |
| CYANIDE          | PPB   | 10.00                       |                         | 08/26/87             |  | 08/26/87                                     | 971.00   | 12/11/87    |                                    |

C.175

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-49-79  |          | 6-60-53  |           | SAMPLE DATE | 6-60-85  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|----------|----------|-----------|-------------|----------|
|                  |       |                             |                         |             |          |          |          |           |             |          |
| CYANIDE          | PPB   | 10.00                       |                         | 11/30/87    |          |          | 12/07/87 | 622.00    | 12/11/87    | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87 | 1120.00  | NR        |             |          |
|                  |       |                             |                         |             | NR       | 12/07/87 | 1120.00  | NR        |             |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/26/87    | 31.00    |          | 08/26/87 | 71.00     | 12/11/87    | 33.00    |
|                  |       |                             |                         | 11/30/87    | 30.00    |          | 12/07/87 | 70.00     |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 71.00     |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/26/87    | 37300.00 |          | 08/26/87 | 180000.00 | 12/11/87    | 39400.00 |
|                  |       |                             |                         | 11/30/87    | 44500.00 |          | 12/07/87 | 225000.00 |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 232000.00 |             | NR       |
| FIRON            | PPB   | 50.00                       |                         | 08/26/87    |          |          | 08/26/87 | 240.00    | 12/11/87    | NR       |
|                  |       |                             |                         | 11/30/87    |          |          | 12/07/87 | 203.00    |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 292.00    |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/26/87    |          |          | 08/26/87 |           | 12/11/87    | NR       |
|                  |       |                             |                         | 11/30/87    |          |          | 12/07/87 | 1130.00   |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 1130.00   |             | NR       |
| FMAGNES          | PPB   | 6.00                        |                         | 08/26/87    | 13700.00 |          | 08/26/87 | 60500.00  | 12/11/87    | 12900.00 |
|                  |       |                             |                         | 11/30/87    | 14400.00 |          | 12/07/87 | 64900.00  |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 67100.00  |             | NR       |
| FPOTASS          | PPB   | 100.00                      |                         | 08/26/87    | 3050.00  |          | 08/26/87 | 14500.00  | 12/11/87    | 3500.00  |
|                  |       |                             |                         | 11/30/87    | 3370.00  |          | 12/07/87 | 14400.00  |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 14900.00  |             | NR       |
| FSELENI          | PPB   | 5.00                        | 10.00                   | 08/26/87    |          |          | 08/26/87 | 11.00 *   | 12/11/87    | NR       |
|                  |       |                             |                         | 11/30/87    |          |          | 12/07/87 | 13.00 *   |             | NR       |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 15.00 *   |             | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/26/87    | 8680.00  |          | 08/26/87 | 65500.00  | 12/11/87    | 8870.00  |
|                  |       |                             |                         |             |          |          |          |           |             |          |
|                  |       |                             |                         |             | NR       |          | 12/07/87 | 14.00 *   |             | NR       |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |            | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|-------------|----------|
|                  |       |                             |                         | 6-49-79     | 6-50-69  | 6-50-69     | 6-50-85    |             |          |
| FSODIUM          | PPB   | 100.00                      |                         | 11/30/87    | 8200.00  | 12/07/87    | 59200.00   |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 61100.00   |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 61600.00   |             | NR       |
| FSTRONT          | PPB   | 300.00                      |                         | 08/26/87    |          | 08/26/87    | 657.00     | 12/11/87    |          |
|                  |       |                             |                         | 11/30/87    |          | 12/07/87    | 919.00     |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 936.00     |             | NR       |
|                  |       |                             |                         | NR          | 12/07/87 | 953.00      |            | NR          |          |
| FVANADI          | PPB   | 5.00                        |                         | 08/26/87    | 29.00    | 08/26/87    | 11.00      | 12/11/87    | 24.00    |
|                  |       |                             |                         | 11/30/87    | 24.00    | 12/07/87    | 5.00       |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    |            |             | NR       |
|                  |       |                             |                         | NR          | 12/07/87 | 7.00        |            | NR          |          |
| FZINC            | PPB   | 5.00                        |                         | 08/26/87    | 6.00     | 08/26/87    | 6.00       | 12/11/87    |          |
|                  |       |                             |                         | 11/30/87    |          | 12/07/87    | 6.00       |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 9.00       |             | NR       |
|                  |       |                             |                         | NR          | 12/07/87 | 16.00       |            | NR          |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR       |             | NR         | 08/26/87    | 24500.00 |
|                  |       |                             |                         |             | NR       |             | NR         | 12/11/87    | 26500.00 |
| I-129            | PCI/L |                             | 500.00                  |             | NR       | 09/04/87    | 0.04 0     |             | NR       |
|                  |       |                             |                         |             | NR       | 09/04/87    | { 0.00 }   |             | NR       |
|                  |       |                             |                         |             |          |             | { 0.04 0 } |             |          |
|                  |       |                             |                         |             |          |             | { 0.00 }   |             |          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 08/26/87    | 312.00   | 08/26/87    | 310.00     | 12/11/87    | 250.00   |
|                  |       |                             |                         | 11/30/87    | 315.00   | 12/07/87    | 300.00     |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 295.00     |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    | 306.00     |             | NR       |
| METHYCH          | PPB   | 10.00                       |                         | 08/26/87    |          | 08/26/87    | 22300.00   | 12/11/87    | 17.00    |
|                  |       |                             |                         | 11/30/87    |          | 12/07/87    |            |             | NR       |
|                  |       |                             |                         |             | NR       | 12/07/87    |            |             | NR       |
|                  |       |                             |                         | NR          | 12/07/87 |             |            | NR          |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/26/87    | 46600.00 | 08/26/87    | 46000.00 * | 12/11/87    | 26200.00 |
|                  |       |                             |                         | 11/30/87    | 44400.00 | 12/07/87    | 50000.00 * |             | NR       |

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-49-79     |                      | 6-50-53     |                                      | 6-50-85     |            |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|-------------|--------------------------------------|-------------|------------|
|                  |       |                             |                         | SAMPLE DATE |                      | SAMPLE DATE |                                      | SAMPLE DATE |            |
| NITRATE          | PPB   | 500.00                      | 45000.00                |             | NR                   | 12/07/87    | 507000.00 *                          |             | NR         |
|                  |       |                             |                         |             | NR                   | 12/07/87    | 505000.00 *                          |             | NR         |
| PH-LAB           |       | 0.01                        |                         | 08/20/87    | 8.02                 | 08/20/87    | 7.60                                 | 12/11/87    | 7.60       |
|                  |       |                             |                         | 11/30/87    | 8.02                 | 12/07/87    | 7.74                                 |             | NR         |
| PHFIELD          |       | 0.10                        |                         | 08/20/87    | 7.00                 | 08/20/87    | 7.00                                 | 12/11/87    | 7.20       |
|                  |       |                             |                         | 11/30/87    | 7.00                 | 12/07/87    | 8.20                                 |             | NR         |
| SULFATE          | PPB   | 500.00                      |                         | 08/20/87    | 44900.00             | 08/20/87    | 377000.00                            | 12/11/87    | 22300.00   |
|                  |       |                             |                         | 11/30/87    | 48900.00             | 12/07/87    | 474000.00                            |             | NR         |
|                  |       |                             |                         |             | NR                   | 12/07/87    | 444000.00                            |             | NR         |
|                  |       |                             |                         |             | NR                   | 12/07/87    | 385000.00                            |             | NR         |
| TC               | PPB   |                             |                         | 08/20/87    | 22500.00 0           | 08/20/87    | 19700.00 0                           | 12/11/87    | 20300.00 0 |
|                  |       |                             |                         | 11/30/87    | 24300.00 0           | 12/07/87    | 15900.00 0                           |             | NR         |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR                   | 08/20/87    | 13000.00 *                           |             | NR         |
|                  |       |                             |                         |             | NR                   | 12/07/87    | { 27.40 }<br>29100.00 *<br>{ 30.50 } |             | NR         |
| TOC              | PPB   | 1000.00                     |                         | 08/20/87    |                      | 08/20/87    | 1500.00                              | 12/11/87    |            |
|                  |       |                             |                         | 11/30/87    |                      | 12/07/87    |                                      |             | NR         |
| TOXLDL           | PPB   | 20.00                       |                         | 08/20/87    |                      | 08/20/87    | 21200.00                             | 12/11/87    |            |
|                  |       |                             |                         | 11/30/87    |                      | 12/07/87    |                                      |             | NR         |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/20/87    |                      | 08/20/87    | 2200.00                              | 08/20/87    |            |
|                  |       |                             |                         | 11/30/87    | 467.00<br>{ 176.00 } | 12/07/87    | { 270.00 }<br>3476.00<br>{ 297.00 }  | 12/10/87    |            |

C.178

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 8-51-75     |                  | 8-55-50C    |                  | 8-55-76     |                  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE            | SAMPLE DATE | VALUE            | SAMPLE DATE | VALUE            |
| ALKALIN          |       |                             |                         | 09/08/87    | 123000.00 0      | 11/25/87    | 115000.00 0      | 12/02/87    | 91700.00 0       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/08/87    |                  | 08/20/87    | { 0.76<br>0.42 } | 12/02/87    |                  |
|                  |       |                             |                         |             | NR               | 11/25/87    |                  |             | NR               |
|                  |       |                             |                         |             | NR               | 12/07/87    | { 0.75<br>0.41 } |             | NR               |
| AMMONIU          | PPB   | 50.00                       |                         | 09/08/87    |                  | 11/25/87    |                  | 12/02/87    | 94.00            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/08/87    | { 5.70<br>3.59 } | 08/20/87    | { 5.59<br>1.86 } | 12/02/87    | { 6.37<br>3.50 } |
|                  |       |                             |                         |             | NR               | 11/25/87    | { 0.95<br>3.51 } |             | NR               |
|                  |       |                             |                         |             | NR               | 12/07/87    | { 5.25<br>1.81 } |             | NR               |
| CHLORID          | PPB   | 500.00                      |                         | 09/08/87    | 3320.00          | 11/25/87    | 5700.00          | 12/02/87    | 22000.00         |
| CONDFLD          | UMHD  | 1.00                        |                         | 09/08/87    | 279.00           | 11/25/87    | 212.00           | 12/02/87    | 279.00           |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR               | 08/20/87    | { 0.40<br>4.05 } |             | NR               |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 09/08/87    | 32.00            | 11/25/87    | 13.00            | 12/02/87    | 28.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 09/08/87    | 28000.00         | 11/25/87    | 30500.00         | 12/02/87    | 34700.00         |
| FIRON            | PPB   | 50.00                       |                         | 09/08/87    |                  | 11/25/87    |                  | 12/02/87    | 65.00            |
| FMAGNES          | PPB   | 8.00                        |                         | 09/08/87    | 12600.00         | 11/25/87    | 9370.00          | 12/02/87    | 14500.00         |
| FMANGAN          | PPB   | 5.00                        |                         | 09/08/87    | 43.00            | 11/25/87    |                  | 12/02/87    | 47.00            |
| FPOTASS          | PPB   | 100.00                      |                         | 09/08/87    | 3710.00          | 11/25/87    | 4860.00          | 12/02/87    | 4170.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 09/08/87    | 9030.00          | 11/25/87    | 5530.00          | 12/02/87    | 9160.00          |
| FVANADI          | PPB   | 5.00                        |                         | 09/08/87    | 10.00            | 11/25/87    | 12.00            | 12/02/87    |                  |

C.179

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-51-75    | SAMPLE DATE          | 6-55-50C   | SAMPLE DATE          | 6-55-75    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|----------------------|------------|----------------------|------------|
| FZINC            | PPB   | 5.00                        |                         | 09/08/87    | 31.00      | 11/25/87             |            | 12/02/87             |            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR<br>NR   | 08/20/87<br>11/25/87 |            | 08/20/87<br>12/02/87 | 7820.00    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/08/87    | 340.00     | 11/25/87             | 230.00     | 12/02/87             | 270.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/08/87    | 3530.00    | 11/25/87             | 1340.00    | 12/02/87             | 3820.00    |
| PH-LAB           |       | 0.01                        |                         | 09/08/87    | 0.20       | 11/25/87             | 0.00       | 12/02/87             | 7.91       |
| PHFIELD          |       | 0.10                        |                         | 09/08/87    | 7.00       | 11/25/87             | 6.90       | 12/02/87             | 7.70       |
| SULFATE          | PPB   | 500.00                      |                         | 09/08/87    | 27500.00   | 11/25/87             | 16200.00   | 12/02/87             | 42000.00   |
| TC               | PPB   |                             |                         | 09/08/87    | 27900.00 0 | 11/25/87             | 26400.00 0 | 12/02/87             | 22100.00 0 |

C.180

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 8-85-72              | SAMPLE DATE          | 8-85-83            | SAMPLE DATE          | 8-87-86            |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|--------------------|----------------------|--------------------|
| ALKALIN          |       |                             |                         | 12/21/87             | 121000.00 0          | 12/02/87             | 118000.00 0        | 12/22/87             | 118000.00 0        |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/21/87             | 1.40<br>{ 1.10 }     | 12/02/87             |                    | 12/22/87             |                    |
| AMMONIU          | PPB   | 50.00                       |                         | 12/21/87             |                      | 12/02/87             | 73.00              | 12/22/87             |                    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/21/87             | 26.80<br>{ 5.44 }    | 12/02/87             | 9.32<br>{ 4.47 }   | 12/22/87             | 4.76<br>{ 3.52 }   |
| CHLGRID          | PPB   | 500.00                      |                         | 12/21/87             | 9330.00              | 12/02/87             | 6320.00            | 12/22/87             | 4950.00            |
| CONDFLD          | UMHG  | 1.00                        |                         | 12/21/87             | 322.00               | 12/02/87             | 299.00             | 12/22/87             | 286.00             |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/21/87             | 5.00                 | 12/02/87             |                    | 12/22/87             |                    |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 12/21/87             | 24.00                | 12/02/87             | 9.00               | 12/22/87             | 17.00              |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 12/21/87             |                      | 12/02/87             |                    | 12/22/87             | 2.00               |
| FCALCIU          | PPB   | 50.00                       |                         | 12/21/87             | 36900.00             | 12/02/87             | 36300.00           | 12/22/87             | 38000.00           |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/21/87             | 10.00                | 12/02/87             | 20.00              | 12/22/87             | 10.00              |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 12/21/87             | 684.00               | 12/02/87             | 510.00             | 12/22/87             | 515.00             |
| FMAGNES          | PPB   | 0.00                        |                         | 12/21/87             | 11200.00             | 12/02/87             | 10300.00           | 12/22/87             | 9900.00            |
| FPOTASS          | PPB   | 100.00                      |                         | 12/21/87             | 5810.00              | 12/02/87             | 8710.00            | 12/22/87             | 6490.00            |
| FSODIUM          | PPB   | 100.00                      |                         | 12/21/87             | 23000.00             | 12/02/87             | 13900.00           | 12/22/87             | 10000.00           |
| FVANADI          | PPB   | 5.00                        |                         | 12/21/87             | 17.00                | 12/02/87             | 30.00              | 12/22/87             | 17.00              |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/20/87<br>12/21/87 | 22800.00<br>21200.00 | 08/19/87<br>12/02/87 | 4700.00<br>4330.00 | 08/19/87<br>12/22/87 | 2900.00<br>2730.00 |
| LFLUDRD          | PPB   | 20.00                       | 4000.00                 | 12/21/87             | 700.00               | 12/02/87             | 420.00             | 12/22/87             | 410.00             |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-85-72    | SAMPLE DATE | 8-85-83    | SAMPLE DATE | 8-87-88    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/21/87    | 22200.00   | 12/02/87    | 4700.00    | 12/22/87    | 2810.00    |
| PH-LAB           |       | 0.01                        |                         | 12/21/87    | 7.90       | 12/02/87    | 7.94       | 12/22/87    | 7.99       |
| PHFIELD          |       | 0.10                        |                         | 12/21/87    | 7.30       | 12/02/87    | 7.50       | 12/22/87    | 6.60       |
| SULFATE          | PPB   | 500.00                      |                         | 12/21/87    | 40100.00   | 12/02/87    | 40300.00   | 12/22/87    | 38000.00   |
| TC               | PPB   |                             |                         | 12/21/87    | 26900.00   | 12/02/87    | 26700.00   | 12/22/87    | 26500.00   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/20/87    | 3350.00    | 08/19/87    | 1320.00    | 08/19/87    | 902.00     |
|                  |       |                             |                         |             | { 201.00 } |             | { 237.00 } |             | { 226.00 } |
|                  |       |                             |                         | 12/21/87    | 3040.00    | 12/02/87    | 885.00     | 12/22/87    | 951.00     |
|                  |       |                             |                         |             | { 276.00 } |             | { 226.00 } |             | { 218.00 } |

C.182

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-70-88           | SAMPLE DATE | 6-71-86          | SAMPLE DATE | 6-71-82          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------|-------------|------------------|-------------|------------------|
|                  |       |                             |                         | -----       | -----             | -----       | -----            | -----       | -----            |
| ALKALIN          |       |                             |                         | 12/21/87    | 110000.00 0       | 12/13/87    | 200000.00 0      | 12/13/87    | 110000.00 0      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/21/87    |                   | 12/13/87    | { 7.03<br>2.01 } | 12/13/87    | { 1.90<br>1.23 } |
| AMMONIU          | PPB   | 50.00                       |                         | 12/21/87    | 57.00             | 12/13/87    |                  | 12/13/87    |                  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/21/87    | { 13.30<br>4.10 } | 12/13/87    | { 7.13<br>3.00 } | 12/13/87    | { 5.01<br>3.52 } |
| CHLORID          | PPB   | 500.00                      |                         | 12/21/87    | 5820.00           | 12/13/87    | 21000.00         | 12/13/87    | 8110.00          |
| CONDFLD          | UMHO  | 1.00                        |                         | 12/21/87    | 230.00            | 12/13/87    | 534.00           | 12/13/87    | 270.00           |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/21/87    |                   | 12/13/87    | 6.00             | 12/13/87    |                  |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 12/21/87    | 17.00             | 12/13/87    | 47.00            | 12/13/87    | 30.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 12/21/87    | 31200.00          | 12/13/87    | 60000.00         | 12/13/87    | 37700.00         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/21/87    |                   | 12/13/87    |                  | 12/13/87    | 19.00            |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 12/21/87    |                   | 12/13/87    | 610.00           | 12/13/87    |                  |
| FMAGNES          | PPB   | 0.00                        |                         | 12/21/87    | 8810.00           | 12/13/87    | 16100.00         | 12/13/87    | 11500.00         |
| FPOTASS          | PPB   | 100.00                      |                         | 12/21/87    | 4490.00           | 12/13/87    | 6190.00          | 12/13/87    | 5310.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 12/21/87    | 12700.00          | 12/13/87    | 43200.00         | 12/13/87    | 18900.00         |
| FSTRONT          | PPB   | 300.00                      |                         | 12/21/87    |                   | 12/13/87    | 545.00           | 12/13/87    |                  |
| FVANADI          | PPB   | 5.00                        |                         | 12/21/87    | 15.00             | 12/13/87    | 5.00             | 12/13/87    | 17.00            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/20/87    | 3450.00           | 08/25/87    | 25500.00         | 08/23/87    | 0900.00          |
|                  |       |                             |                         | 12/21/87    | 3210.00           | 12/13/87    | 28000.00         | 12/13/87    | 0930.00          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 12/21/87    | 300.00            | 12/13/87    | 470.00           | 12/13/87    | 375.00           |

C.183

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-70-60    | SAMPLE<br>DATE | 6-71-30    | SAMPLE<br>DATE | 6-71-62    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
|                     |       |                                   |                               |                | -----      |                | -----      |                | -----      |
| NITRATE             | PPB   | 500.00                            | 45000.00                      | 12/21/87       | 3270.00    | 12/13/87       | 29200.00   | 12/13/87       | 7140.00    |
| PH-LAB              |       | 0.01                              |                               | 12/21/87       | 8.07       | 12/13/87       | 7.00       | 12/13/87       | 8.01       |
| PHFIELD             |       | 0.10                              |                               | 12/21/87       | 7.50       | 12/13/87       | 7.30       | 12/13/87       | 7.10       |
| SULFATE             | PPB   | 500.00                            |                               | 12/21/87       | 10000.00   | 12/13/87       | 80500.00   | 12/13/87       | 60500.00   |
| TC                  | PPB   |                                   |                               | 12/21/87       | 26300.00 * | 12/13/87       | 48300.00 * | 12/13/87       | 27500.00 * |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/26/87       | 1700.00    | 08/26/87       |            | 08/23/87       | 1120.00    |
|                     |       |                                   |                               |                | { 250.00 } |                |            |                | { 281.00 } |
|                     |       |                                   |                               | 12/21/87       | 1700.00    | 12/13/87       |            | 12/13/87       | 1090.00    |
|                     |       |                                   |                               |                | { 240.00 } |                |            | { 220.00 }     |            |

C.184

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIOISOTOPES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-71-77            | SAMPLE DATE          | 6-73-81            | SAMPLE DATE          | 6-74-44            |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
|                  |       |                             |                         |                      |                    |                      |                    |                      |                    |
| ALKALIN          |       |                             |                         | 12/13/87             | 124000.00 0        | 12/13/87             | 121000.00 0        | 12/13/87             | 95000.00 0         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/13/87             | 27.10<br>{ 5.51 }  | 12/13/87             |                    | 12/13/87             |                    |
| CHLORID          | PPB   | 500.00                      |                         | 12/13/87             | 3950.00            | 12/13/87             | 8430.00            | 12/13/87             | 7500.00            |
| CONDFLD          | UMHO  | 1.00                        |                         | 12/13/87             | 271.00             | 12/13/87             | 286.00             | 12/13/87             | 215.00             |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/13/87             |                    | 12/13/87             |                    | 12/13/87             | 6.00               |
| FBARIIUM         | PPB   | 0.00                        | 1000.00                 | 12/13/87             | 70.00              | 12/13/87             | 35.00              | 12/13/87             | 35.00              |
| FCALCIU          | PPB   | 50.00                       |                         | 12/13/87             | 34100.00           | 12/13/87             | 30200.00           | 12/13/87             | 23200.00           |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/13/87             |                    | 12/13/87             | 17.00              | 12/13/87             |                    |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/13/87             | 509.00             | 12/13/87             |                    | 12/13/87             |                    |
| FMAGNES          | PPB   | 0.00                        |                         | 12/13/87             | 10400.00           | 12/13/87             | 10000.00           | 12/13/87             | 8730.00            |
| FMANGAN          | PPB   | 5.00                        |                         | 12/13/87             |                    | 12/13/87             | 14.00              | 12/13/87             |                    |
| FPOTASS          | PPB   | 100.00                      |                         | 12/13/87             | 4690.00            | 12/13/87             | 4410.00            | 12/13/87             | 2640.00            |
| FSODIUM          | PPB   | 100.00                      |                         | 12/13/87             | 15800.00           | 12/13/87             | 14400.00           | 12/13/87             | 21900.00           |
| FVANADI          | PPB   | 5.00                        |                         | 12/13/87             | 21.00              | 12/13/87             | 13.00              | 12/13/87             | 16.00              |
| FZINC            | PPB   | 5.00                        |                         | 12/13/87             |                    | 12/13/87             | 119.00             | 12/13/87             | 5.00               |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/20/87<br>12/13/87 | 8420.00<br>9370.00 | 08/20/87<br>12/13/87 | 8220.00<br>8320.00 | 08/20/87<br>12/13/87 | 2750.00<br>7040.00 |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 12/13/87             | 400.00             | 12/13/87             | 340.00             | 12/13/87             | 320.00             |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/13/87             | 7380.00            | 12/13/87             | 9500.00            | 12/13/87             | 8220.00            |
| PH-LAB           |       | 0.01                        |                         | 12/13/87             | 7.95               | 12/13/87             | 7.99               | 12/13/87             | 8.25               |

C.185

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-71-77     | SAMPLE DATE | 8-73-81    | SAMPLE DATE | 8-74-44    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|------------|-------------|------------|
| PHFIELD          |       | 0.10                        |                         | 12/13/87    | 6.90        | 12/13/87    | 7.20       | 12/13/87    | 7.40       |
| SULFATE          | PPB   | 500.00                      |                         | 12/13/87    | 24300.00    | 12/13/87    | 40500.00   | 12/13/87    | 36500.00   |
| TC               | PPB   |                             |                         | 12/13/87    | 29400.00 *  | 12/13/87    | 27100.00 * | 12/13/87    | 21600.00 * |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/20/87    | 3100.00     | 08/26/87    |            | 08/26/87    |            |
|                  |       |                             |                         | 12/13/87    | { 280.00 }  | 12/13/87    |            | 12/13/87    |            |
|                  |       |                             |                         |             | { 3040.00 } |             |            |             |            |
|                  |       |                             |                         |             | { 280.00 }  |             |            |             |            |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-77-36          |  | 6-77-54  |                 | SAMPLE DATE | 6-83-47          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|--|----------|-----------------|-------------|------------------|
|                  |       |                             |                         |             |                  |  |          |                 |             |                  |
| ALKALIN          |       |                             |                         | 12/13/87    | 228000.00 0      |  | 09/15/87 | 117000.00 0     | 09/08/87    | 110000.00 0      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/13/87    | 10.20<br>{ 3.53} |  | 09/15/87 | 1.28<br>{ 1.02} | 09/08/87    | 3.94<br>{ 1.87}  |
| AMMONIU          | PPB   | 50.00                       |                         | 12/13/87    |                  |  | 09/15/87 |                 | 09/08/87    | 50.00            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/13/87    | 8.58<br>{ 4.13}  |  | 09/15/87 | 7.86<br>{ 3.66} | 09/08/87    | 11.10<br>{ 4.34} |
| CHLORID          | PPB   | 500.00                      |                         | 12/13/87    | 22400.00         |  | 09/15/87 | 5030.00         | 09/08/87    | 5530.00          |
| CONDFLD          | UMHO  | 1.00                        |                         |             | NR               |  | 09/15/87 | 318.00          | 09/08/87    | 280.00           |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/13/87    | 6.00             |  | 09/15/87 |                 | 09/08/87    |                  |
| FBARIUM          | PPB   | 6.00                        | 1800.00                 | 12/13/87    | 55.00            |  | 09/15/87 | 25.00           | 09/08/87    | 39.00            |
| FCALCIU          | PPB   | 50.00                       |                         | 12/13/87    | 85000.00         |  | 09/15/87 | 32500.00        | 09/08/87    | 30300.00         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/13/87    |                  |  | 09/15/87 |                 | 09/08/87    | 44.00            |
| FIROM            | PPB   | 50.00                       |                         | 12/13/87    |                  |  | 09/15/87 |                 | 09/08/87    | 333.00           |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/13/87    | 933.00           |  | 09/15/87 |                 | 09/08/87    |                  |
| FMAGNES          | PPB   | 0.00                        |                         | 12/13/87    | 18000.00         |  | 09/15/87 | 16400.00        | 09/08/87    | 11300.00         |
| FMANGAN          | PPB   | 5.00                        |                         | 12/13/87    |                  |  | 09/15/87 |                 | 09/08/87    | 8.00             |
| FPODASS          | PPB   | 100.00                      |                         | 12/13/87    | 5130.00          |  | 09/15/87 | 4520.00         | 09/08/87    | 3020.00          |
| FSODIUM          | PPB   | 100.00                      |                         | 12/13/87    | 64100.00         |  | 09/15/87 | 15100.00        | 09/08/87    | 20800.00         |
| FSTRONT          | PPB   | 300.00                      |                         | 12/13/87    | 533.00           |  | 09/15/87 |                 | 09/08/87    |                  |
| FVANADI          | PPB   | 5.00                        |                         | 12/13/87    | 10.00            |  | 09/15/87 | 21.00           | 09/08/87    | 19.00            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/25/87    | 61100.00 *       |  |          | NR              |             | NR               |

C.187

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-77-36    | SAMPLE DATE | 8-77-54    | SAMPLE DATE | 8-83-47          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------------|
|                  |       |                             |                         |             |            |             |            |             |                  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 12/13/87    | 48900.00 * |             | NR         |             | NR               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 12/13/87    | 890.00     | 09/15/87    | 355.00     | 09/08/87    | 400.00           |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/13/87    | 70100.00 * | 09/15/87    | 7940.00    | 09/08/87    | 5820.00          |
| PH-LAB           |       | 0.01                        |                         | 12/13/87    | 7.84       | 09/15/87    | 7.77       | 09/08/87    | 7.99             |
| PHFIELD          |       | 0.10                        |                         |             | NR         | 09/15/87    | 7.50       | 09/08/87    | 6.10             |
| SULFATE          | PPB   | 500.00                      |                         | 12/13/87    | 59200.00   | 09/15/87    | 41700.00   | 09/08/87    | 50300.00         |
| TC               | PPB   |                             |                         | 12/13/87    | 56100.00 0 | 09/15/87    | 28700.00 0 | 09/08/87    | 27800.00 0       |
| TOC              | PPB   | 1000.00                     |                         | 12/13/87    | 1280.00    | 09/15/87    |            | 09/08/87    |                  |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 12/13/87    | 34.00 *    | 09/15/87    |            | 09/08/87    |                  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/25/87    |            | 09/09/87    |            | 09/08/87    | 700.00           |
|                  |       |                             |                         | 12/13/87    |            | 12/13/87    |            |             | { 222.00 }<br>NR |

C.188

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 09/08/87    | 12/13/87    | 09/08/87    | 12/13/87    | 09/08/87    | 12/13/87   |
| ALKALIN          |       |                             |                         | 09/08/87    | 157000.00 0 | 09/08/87    | 122000.00 0 | 12/13/87    | 95000.00 0 |
|                  |       |                             |                         |             | NR          |             | 122000.00 0 |             | NR         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/08/87    | 2.10        | 09/08/87    | 1.23        | 12/13/87    |            |
|                  |       |                             |                         |             | { 1.39 }    |             | { 1.09 }    |             |            |
|                  |       |                             |                         |             | NR          |             | 6.00        |             | NR         |
|                  |       |                             |                         |             |             | 12/13/87    | { 0.78 }    |             |            |
| AMMONIU          | PPB   | 50.00                       |                         | 09/08/87    |             | 09/08/87    | 193.00      | 12/13/87    |            |
|                  |       |                             |                         |             | NR          |             | 190.00      |             | NR         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/08/87    |             | 09/08/87    | 6.07        | 08/26/87    | 6.22       |
|                  |       |                             |                         |             | NR          |             | { 3.00 }    |             | { 1.09 }   |
|                  |       |                             |                         |             | NR          | 12/13/87    | 4.07        | 12/13/87    | 4.09       |
|                  |       |                             |                         |             | NR          |             | { 3.29 }    |             | { 1.03 }   |
|                  |       |                             |                         |             |             |             | NR          | 12/13/87    | 7.00       |
|                  |       |                             |                         |             |             |             |             |             | { 3.05 }   |
| CHLORID          | PPB   | 500.00                      |                         | 09/08/87    | 5450.00     | 09/08/87    | 4090.00     | 12/13/87    | 15400.00   |
|                  |       |                             |                         |             | NR          |             | 4090.00     |             | NR         |
| CONDFLD          | UMHO  | 1.00                        |                         | 09/08/87    | 354.00      | 09/08/87    | 235.00      | 12/13/87    | 383.00     |
|                  |       |                             |                         |             | NR          |             | 250.00      |             | NR         |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/08/87    |             | 09/08/87    | 6.00        | 12/13/87    |            |
|                  |       |                             |                         |             | NR          |             | 7.00        |             | NR         |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 09/08/87    | 20.00       | 09/08/87    | 20.00       | 12/13/87    | 02.00      |
|                  |       |                             |                         |             | NR          |             | 20.00       |             | NR         |
| FCALCIU          | PPB   | 50.00                       |                         | 09/08/87    | 20700.00    | 09/08/87    | 20000.00    | 12/13/87    | 45300.00   |
|                  |       |                             |                         |             | NR          |             | 32500.00    |             | NR         |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 09/08/87    |             | 09/08/87    | 10.00       | 12/13/87    | 03.00 *    |
|                  |       |                             |                         |             | NR          |             |             |             | NR         |
| FIROM            | PPB   | 50.00                       |                         | 09/08/87    |             | 09/08/87    | 700.00      | 12/13/87    |            |
|                  |       |                             |                         |             | NR          |             | 1150.00     |             | NR         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE    |                      | SAMPLE DATE          | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------|----------------------|----------------------|----------------------|----------------------|
|                  |       |                             |                         |             | 8-89-35        | 8-98-45              |                      |                      |                      |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 09/08/87    | NR             | 09/08/87<br>12/13/87 | 599.00               | 12/13/87             | NR                   |
| FMAGNES          | PPB   | 0.00                        |                         | 09/08/87    | 11600.00<br>NR | 09/08/87<br>12/13/87 | 11400.00<br>11600.00 | 12/13/87             | 10500.00<br>NR       |
| FMANGAN          | PPB   | 5.00                        |                         | 09/08/87    | NR             | 09/08/87<br>12/13/87 | 61.00<br>84.00       | 12/13/87             | 5.00<br>NR           |
| FPOTASS          | PPB   | 100.00                      |                         | 09/08/87    | 4350.00<br>NR  | 09/08/87<br>12/13/87 | 3990.00<br>3770.00   | 12/13/87             | 4700.00<br>NR        |
| FSDDIUM          | PPB   | 100.00                      |                         | 09/08/87    | 30000.00<br>NR | 09/08/87<br>12/13/87 | 17000.00<br>16000.00 | 12/13/87             | 15100.00<br>NR       |
| FVANADI          | PPB   | 5.00                        |                         | 09/08/87    | 19.00<br>NR    | 09/08/87<br>12/13/87 | 25.00<br>13.00       | 12/13/87             | 0.00<br>NR           |
| FZINC            | PPB   | 5.00                        |                         | 09/08/87    | 5.00<br>NR     | 09/08/87<br>12/13/87 | 57.00<br>99.00       | 12/13/87             | 6.00<br>NR           |
| MNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR<br>NR       |                      | NR<br>NR             | 08/26/87<br>12/13/87 | 14400.00<br>12700.00 |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/08/87    | 660.00<br>NR   | 09/08/87<br>12/13/87 | 635.00<br>590.00     | 12/13/87             | 315.00<br>NR         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/08/87    | 9410.00<br>NR  | 09/08/87<br>12/13/87 | 5610.00<br>7000.00   | 12/13/87             | 18500.00<br>NR       |
| PH-LAB           |       | 0.01                        |                         | 09/08/87    | 7.83<br>NR     | 09/08/87<br>12/13/87 | 7.73<br>7.64         | 12/13/87             | 6.95<br>NR           |
| PHFIELD          |       | 0.16                        |                         | 09/08/87    | 7.20<br>NR     | 09/08/87<br>12/13/87 | 6.50<br>6.40         | 12/13/87             | 6.00<br>NR           |
| SULFATE          | PPB   | 500.00                      |                         | 09/08/87    | 38500.00<br>NR | 09/08/87<br>12/13/87 | 39300.00<br>32700.00 | 12/13/87             | 61200.00<br>NR       |

C.190

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-89-36    | SAMPLE<br>DATE | 8-90-45    | SAMPLE<br>DATE | 8-96-49    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
|                     |       |                                   |                               | -----          | -----      | -----          | -----      | -----          | -----      |
| TC                  | PPB   |                                   |                               | 09/08/87       | 97400.00 0 | 09/08/87       | 30500.00 0 | 12/13/87       | 22400.00 0 |
|                     |       |                                   |                               |                | NR         | 12/13/87       | 31800.00 0 |                | NR         |
| TOC                 | PPB   | 1000.00                           |                               | 09/08/87       |            | 09/08/87       | 1000.00    | 12/13/87       |            |
|                     |       |                                   |                               |                | NR         | 12/13/87       | 1130.00    |                | NR         |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/08/87       | 534.00     | 09/08/87       | 8520.00    | 08/20/87       | 14800.00   |
|                     |       |                                   |                               |                | { 217.00 } |                | { 297.00 } |                | { 420.00 } |
|                     |       |                                   |                               | 11/08/87       | 687.00     | 12/13/87       | 8290.00    | 12/13/87       | 13700.00   |
|                     |       |                                   | { 222.00 }                    |                | { 207.00 } |                | { 412.00 } |                |            |

C.191

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-97-43                                 | SAMPLE DATE | 6-97-51A   | SAMPLE DATE | 6-101-48B          |
|------------------|-------|-----------------------------|-------------------------|-------------|---|-------------|------------|-------------|--------------------|
| ALKALIN          |       |                             |                         | 12/13/87    | 120000.00 0                             | 12/13/87    | 88100.00 0 | 12/21/87    | 76800.00 0         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/13/87    | { 1.20<br>1.12}                         | 12/13/87    |            | 12/21/87    |                    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/26/87    | 5.13                                    | 12/13/87    |            | 12/21/87    | 4.83               |
|                  |       |                             |                         | 12/13/87    | { 1.88<br>8.76<br>2.84<br>3.72<br>3.43} |             | NR         |             | { 3.87<br>NR<br>NR |
| CHLORID          | PPB   | 500.00                      |                         | 12/13/87    | 10100.00                                | 12/13/87    | 25000.00   | 12/21/87    | 916.00             |
| CONDFLD          | UMHO  | 1.00                        |                         | 12/13/87    | 376.00                                  | 12/13/87    | 360.00     | 12/21/87    | 140.00             |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 12/13/87    | 49.00                                   | 12/13/87    | 91.00      | 12/21/87    | 19.00              |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 12/13/87    |   | 12/13/87    |            | 12/21/87    | 2.00               |
| FCALCIU          | PPB   | 50.00                       |                         | 12/13/87    | 46100.00                                | 12/13/87    | 56500.00   | 12/21/87    | 20000.00           |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 12/13/87    | 191.00 *                                | 12/13/87    | 110.00 *   | 12/21/87    |                    |
| FMAGNES          | PPB   | 0.00                        |                         | 12/13/87    | 10600.00                                | 12/13/87    | 12500.00   | 12/21/87    | 5790.00            |
| FPOTASS          | PPB   | 100.00                      |                         | 12/13/87    | 3790.00                                 | 12/13/87    | 3380.00    | 12/21/87    | 2410.00            |
| FSODIUM          | PPB   | 100.00                      |                         | 12/13/87    | 21000.00                                | 12/13/87    | 11800.00   | 12/21/87    | 4740.00            |
| FVANADI          | PPB   | 5.00                        |                         | 12/13/87    |   | 12/13/87    |            | 12/21/87    | 10.00              |
| FZINC            | PPB   | 5.00                        |                         | 12/13/87    | 8.00                                    | 12/13/87    | 8.00       | 12/21/87    |                    |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/26/87    | 20400.00                                | 08/26/87    | 20200.00   | 08/26/87    |                    |
|                  |       |                             |                         | 12/13/87    | 19800.00                                | 12/13/87    | 21200.00   | 12/21/87    |                    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 12/13/87    | 350.00                                  | 12/13/87    | 340.00     | 12/21/87    | 195.00             |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-97-49     | SAMPLE DATE | 8-97-51A     | SAMPLE DATE | 8-101-40B |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|--------------|-------------|-----------|
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/13/87    | 21300.00    | 12/13/87    | 21700.00     | 12/21/87    | 988.00    |
| PH-LAB           |       | 0.01                        |                         | 12/13/87    | 7.93        | 12/13/87    | 7.61         | 12/21/87    | 7.91      |
| PHFIELD          |       | 0.10                        |                         | 12/13/87    | 0.10        | 12/13/87    | 7.70         | 12/21/87    | 7.20      |
| SULFATE          | PPB   | 500.00                      |                         | 12/13/87    | 62000.00    | 12/13/87    | 83000.00     | 12/21/87    | 11700.00  |
| TC               | PPB   |                             |                         | 12/13/87    | 28400.00    | 12/13/87    | 29900.00     | 12/21/87    | 10100.00  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/26/87    | 9530.00     | 08/26/87    | 14900.00     | 08/26/87    |           |
|                  |       |                             |                         | 12/13/87    | { 363.00 }  | 12/13/87    | { 438.00 }   | 12/21/87    |           |
|                  |       |                             |                         |             | { 9740.00 } |             | { 14900.00 } |             |           |
|                  |       |                             |                         |             | { 350.00 }  |             | { 424.00 }   |             |           |

C.193

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
- - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                 | SAMPLE DATE |                  | SAMPLE DATE |                 |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|-------------|------------------|-------------|-----------------|
|                  |       |                             |                         | 10/27/87    | 8-S3-E12        | 09/15/87    | 8-53-26          | 08/28/87    | 8-S6-E14A       |
| ALKALIN          |       |                             |                         | 10/27/87    | 110000.00 *     | 09/15/87    | 140000.00 *      | 08/28/87    | 100000.00 *     |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 10/27/87    | 1.10<br>{ 1.03} | 09/15/87    | 4.20<br>{ 1.91}  | 08/28/87    | 2.70<br>{ 1.30} |
| AMMONIU          | PPB   | 50.00                       |                         | 10/27/87    |                 | 09/15/87    | 80.00            | 08/28/87    |                 |
| BETA             | PCI/L | 8.00                        | 50.00                   | 10/27/87    | 4.04<br>{ 3.52} | 09/15/87    | 11.70<br>{ 4.43} | 08/28/87    | 7.10<br>{ 3.90} |
| CHLORID          | PPB   | 500.00                      |                         | 10/27/87    | 6250.00         | 09/15/87    | 22700.00         | 08/28/87    | 15100.00        |
| CONDFLD          | UMHO  | 1.00                        |                         | 10/27/87    | 278.00          | 09/15/87    | 455.00           | 08/28/87    | 260.00          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 10/27/87    | 6.00            | 09/15/87    |                  | 08/28/87    | 7.00            |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 10/27/87    | 37.00           | 09/15/87    | 64.00            | 08/28/87    | 18.00           |
| FCALCIU          | PPB   | 50.00                       |                         | 10/27/87    | 34200.00        | 09/15/87    | 49200.00         | 08/28/87    | 23500.00        |
| FIRON            | PPB   | 50.00                       |                         | 10/27/87    |                 | 09/15/87    | 179.00           | 08/28/87    |                 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 10/27/87    | 500.00          | 09/15/87    |                  | 08/28/87    |                 |
| FMAGNES          | PPB   | 8.00                        |                         | 10/27/87    | 16700.00        | 09/15/87    | 12200.00         | 08/28/87    | 10000.00        |
| FMANGAM          | PPB   | 5.00                        |                         | 10/27/87    |                 | 09/15/87    | 145.00           | 08/28/87    | 7.00            |
| FPOTASS          | PPB   | 100.00                      |                         | 10/27/87    | 5020.00         | 09/15/87    | 6630.00          | 08/28/87    | 5000.00         |
| FSELENI          | PPB   | 5.00                        | 10.00                   | 10/27/87    |                 | 09/15/87    |                  | 08/28/87    | 6.00            |
| FSODIUM          | PPB   | 100.00                      |                         | 10/27/87    | 14700.00        | 09/15/87    | 22200.00         | 08/28/87    | 13000.00        |
| FVANADI          | PPB   | 5.00                        |                         | 10/27/87    | 20.00           | 09/15/87    |                  | 08/28/87    | 17.00           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/24/87    | 21900.00        |             | NR               |             | NR              |
|                  |       |                             |                         | 10/27/87    | 22000.00        |             | NR               |             | NR              |

C.194

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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-S3-E12   | SAMPLE DATE | 8-S3-25    | SAMPLE DATE | 8-S6-E14A  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 10/27/87    | 370.00     | 09/15/87    | 800.00     | 08/28/87    | 367.00     |
| NC23HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 11.00 0    |             | NR         |
| NC24HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 13.00 0    |             | NR         |
| NC25HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 17.00 0    |             | NR         |
| NC26HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 15.00 0    |             | NR         |
| NC27HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 19.00 0    |             | NR         |
| NC28HC           | PPB   |                             |                         |             | NR         | 09/15/87    | 13.00 0    |             | NR         |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 10/27/87    | 25000.00   | 09/15/87    |            | 08/28/87    | 7100.00    |
| PH-LAB           |       | 0.01                        |                         | 10/27/87    | 8.20       | 09/15/87    | 7.00       | 08/28/87    | 8.27       |
| PHFIELD          |       | 0.10                        |                         | 10/27/87    | 7.00       | 09/15/87    | 7.10       | 08/28/87    | 7.70       |
| SULFATE          | PPB   | 500.00                      |                         | 10/27/87    | 24000.00   | 09/15/87    | 71000.00   | 08/28/87    | 29000.00   |
| TC               | PPB   |                             |                         | 10/27/87    | 29000.00 0 | 09/15/87    | 34700.00 0 | 08/28/87    | 24100.00 0 |
| TDXLDL           | PPB   | 20.00                       |                         | 10/27/87    |            | 09/15/87    | 37.00      | 08/28/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/24/87    | 4960.00    | 09/09/87    |            | 08/28/87    |            |
|                  |       |                             |                         |             | { 277.00 } |             |            |             |            |
|                  |       |                             |                         | 10/27/87    | 5940.00    |             | NR         |             | NR         |
|                  |       |                             |                         |             | { 299.00 } |             |            |             |            |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-S0-19     |                        | 6-S11-E12AP |                        | 6-S12-3     |                               |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------|-------------|------------------------|-------------|-------------------------------|
|                  |       |                             |                         | SAMPLE DATE |                        | SAMPLE DATE |                        | SAMPLE DATE |                               |
| ALKALIN          |       |                             |                         | 08/28/87    | 170000.00 0<br>NR      | 12/29/87    | 180000.00 0<br>NR      | 08/28/87    | 129000.00 0                   |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 129000.00 0                   |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/28/87    | 1.81<br>{ 1.30 }<br>NR | 12/29/87    |                        | 08/28/87    | 3.14                          |
|                  |       |                             |                         |             |                        |             | NR                     | 10/27/87    | { 1.81 }<br>3.27<br>{ 1.89 }  |
| AMMONIU          | PPB   | 50.00                       |                         | 08/28/87    |                        | 12/29/87    | 110.00<br>NR           | 08/28/87    |                               |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    |                               |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/28/87    | 9.74<br>{ 4.24 }<br>NR | 12/29/87    | 7.98<br>{ 4.26 }<br>NR | 08/28/87    | 6.58                          |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | { 3.89 }<br>11.00<br>{ 4.26 } |
| CHLORID          | PPB   | 500.00                      |                         | 08/28/87    | 22800.00<br>NR         | 12/29/87    | 10300.00<br>NR         | 08/28/87    | 27900.00                      |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 28500.00                      |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/28/87    | 320.00<br>NR           | 12/29/87    | 280.00<br>NR           | 08/28/87    | 300.00                        |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 400.00                        |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/28/87    | 0.00<br>NR             |             | NR<br>NR               | 08/28/87    |                               |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    |                               |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/28/87    | 50.00<br>NR            |             | NR<br>NR               | 08/28/87    | 50.00                         |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 50.00                         |
| FCALCIU          | PPB   | 50.00                       |                         | 08/28/87    | 34400.00<br>NR         |             | NR<br>NR               | 08/28/87    | 40000.00                      |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 42900.00                      |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 08/28/87    | 1100.00<br>NR          | 12/29/87    | 900.00<br>NR           | 08/28/87    |                               |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 657.00                        |
| FMAGNES          | PPB   | 0.00                        |                         | 08/28/87    | 9790.00<br>NR          |             | NR<br>NR               | 08/28/87    | 10900.00                      |
|                  |       |                             |                         |             |                        |             |                        | 10/27/87    | 10700.00                      |
| FWANGAN          | PPB   | 5.00                        |                         | 08/28/87    | 0.00                   |             | NR                     | 08/28/87    |                               |

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE 8-58-19 |                | SAMPLE DATE 8-S11-E12AP |                | SAMPLE DATE 8-S12-3  |                      |
|------------------|-------|-----------------------------|-------------------------|---------------------|----------------|-------------------------|----------------|----------------------|----------------------|
|                  |       |                             |                         |                     |                |                         |                |                      |                      |
| FMANGAN          | PPB   | 5.00                        |                         |                     | NR             |                         | NR             | 10/27/87             |                      |
| FPQTASS          | PPB   | 100.00                      |                         | 08/28/87            | 7810.00<br>NR  |                         | NR<br>NR       | 08/28/87<br>10/27/87 | 8850.00<br>5900.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 08/28/87            | 33500.00<br>NR |                         | NR<br>NR       | 08/28/87<br>10/27/87 | 26400.00<br>25000.00 |
| FVANADI          | PPB   | 5.00                        |                         | 08/28/87            | 14.00<br>NR    |                         | NR<br>NR       | 08/28/87<br>10/27/87 | 11.00<br>9.00        |
| FZINC            | PPB   | 5.00                        |                         | 08/28/87            |                |                         | NR<br>NR       | 08/28/87<br>10/27/87 | 60.00<br>50.00       |
| LFLUOR           | PPB   | 20.00                       | 4000.00                 | 08/28/87            | 1340.00<br>NR  | 12/29/87                | 820.00<br>NR   | 08/28/87<br>10/27/87 | 650.00<br>525.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/28/87            | 6490.00<br>NR  | 12/29/87                | NR             | 08/28/87<br>10/27/87 | 12100.00<br>12200.00 |
| PH-LAB           |       | 0.01                        |                         | 08/28/87            | 8.05<br>NR     | 12/29/87                | 7.99<br>NR     | 08/28/87<br>10/27/87 | 8.07<br>8.01         |
| PHFIELD          |       | 0.10                        |                         | 08/28/87            | 7.40<br>NR     | 12/29/87                | 7.80<br>NR     | 08/28/87<br>10/27/87 | 7.30<br>7.70         |
| SULFATE          | PPB   | 500.00                      |                         | 08/28/87            | 18000.00<br>NR | 12/29/87                | NR             | 08/28/87<br>10/27/87 | 53800.00<br>53700.00 |
| TC               | PPB   |                             |                         | 08/28/87            | 38400.00<br>NR | 12/29/87                | 37500.00<br>NR | 08/28/87<br>10/27/87 | 29200.00<br>33100.00 |
| TOXLDL           | PPB   | 20.00                       |                         | 08/28/87            |                | 12/29/87                | NR             | 08/28/87<br>10/27/87 | 30.30                |
| U                | PCI/L | 0.50                        | 800.00                  |                     | NR             |                         | NR             | 08/28/87             | 2.94                 |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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TABLE C.3. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-S29-E12       | SAMPLE DATE | 6-S31-1         |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|-------------|-----------------|
| ALKALIN          |       |                             |                         | 09/10/87    | 148000.00 0     | 08/24/87    | 91100.00 0      |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/10/87    | 3.89<br>{ 3.48} | 08/24/87    | 6.74<br>{ 3.61} |
| CHLORID          | PPB   | 500.00                      |                         | 09/10/87    | 12200.00        | 08/24/87    | 5330.00         |
| CONDFLD          | UMHO  | 1.00                        |                         | 09/10/87    | 319.00          | 08/24/87    | 107.00          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 09/10/87    |                 | 08/24/87    | 6.00            |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 09/10/87    | 43.00           | 08/24/87    | 19.00           |
| FCALCIU          | PPB   | 50.00                       |                         | 09/10/87    | 45400.00        | 08/24/87    | 22700.00        |
| FMAGNES          | PPB   | 0.00                        |                         | 09/10/87    | 9000.00         | 08/24/87    | 5030.00         |
| FPOTASS          | PPB   | 100.00                      |                         | 09/10/87    | 5560.00         | 08/24/87    | 4110.00         |
| FSODIUM          | PPB   | 100.00                      |                         | 09/10/87    | 21100.00        | 08/24/87    | 8500.00         |
| FVANADI          | PPB   | 5.00                        |                         | 09/10/87    | 12.00           | 08/24/87    | 14.00           |
| FZINC            | PPB   | 5.00                        |                         | 09/10/87    | 10.00           | 08/24/87    |                 |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 09/10/87    | 350.00          | 08/24/87    | 260.00          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/10/87    | 22300.00        | 08/24/87    | 3400.00         |
| PH-LAB           |       | 6.61                        |                         | 09/10/87    | 7.80            | 08/24/87    | 7.90            |
| PHFIELD          |       | 6.10                        |                         | 09/10/87    | 6.90            | 08/24/87    | 7.30            |
| SULFATE          | PPB   | 500.00                      |                         | 09/10/87    | 32300.00        | 08/24/87    | 10000.00        |
| TC               | PPB   |                             |                         | 09/10/87    | 30000.00 0      | 08/24/87    | 37100.00 0      |
| TOC              | PPB   | 1000.00                     |                         | 09/10/87    |                 | 08/24/87    | 1100.00         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.3. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-S29-E12 | SAMPLE<br>DATE | 6-S31-1 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------|----------------|---------|
| U                   | PCI/L | 0.50                              | 500.00                        | 09/11/87       | 2.20      |                | NR      |
|                     |       |                                   |                               | 10/21/87       | 2.41      |                | NR      |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY











TABLE C.5. Results for Compliance Monitoring Wells

| CONSTITUENT NAME | UNITS   | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-1   | SAMPLE DATE | 1-H3-2A  | SAMPLE DATE | 1-H3-2B  |
|------------------|---------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| ALPHA            | PCI/L   | 4.00                        | 15.00                   | 07/13/87    | 4.20     | 07/14/87    | 2.44     | 07/15/87    | 1.41     |
|                  |         |                             |                         |             | { 1.97}  |             | { 1.35}  |             | { 1.12}  |
|                  |         |                             |                         | 08/12/87    | 4.44     | 08/08/87    | 1.46     | 08/08/87    | 1.01     |
|                  |         |                             |                         |             | { 2.03}  |             | { 1.00}  |             | { 0.96}  |
|                  |         |                             |                         | 09/17/87    | 4.69     | 09/14/87    | 1.35     | 09/14/87    | 2.27     |
|                  | { 2.32} |                             | { 1.05}                 |             | { 1.53}  |             |          |             |          |
|                  |         |                             |                         | 12/28/87    | 6.29     | 10/07/87    | 1.12     | 10/13/87    | 2.00     |
|                  |         |                             |                         |             | { 2.39}  |             | { 0.92}  |             | { 1.19}  |
|                  |         |                             |                         |             | NR       | 12/22/87    | 1.54     | 12/22/87    | 0.97     |
|                  |         |                             |                         |             |          |             | { 1.15}  |             | { 0.91}  |
| BARIUM           | PPB     | 6.00                        | 1000.00                 | 07/13/87    | 51.00    | 07/14/87    | 33.00    | 07/15/87    | 40.00    |
|                  |         |                             |                         | 08/12/87    | 49.00    | 08/08/87    | 29.00    | 08/08/87    | 35.00    |
|                  |         |                             |                         | 09/17/87    | 62.00    | 09/14/87    | 28.00    | 09/14/87    | 35.00    |
|                  |         |                             |                         | 12/28/87    | 58.00    | 10/07/87    | 27.00    | 10/13/87    | 32.00    |
|                  |         |                             |                         |             | NR       | 12/22/87    | 26.00    | 12/22/87    | 33.00    |
| BETA             | PCI/L   | 8.00                        | 50.00                   | 07/13/87    | 9.70     | 07/14/87    | 6.82     | 07/15/87    | 7.18     |
|                  |         |                             |                         |             | { 4.25}  |             | { 3.89}  |             | { 3.80}  |
|                  |         |                             |                         | 08/12/87    | 9.54     | 08/08/87    | 9.41     | 08/08/87    | 6.18     |
|                  |         |                             |                         |             | { 4.24}  |             | { 4.09}  |             | { 3.60}  |
|                  |         |                             |                         | 09/17/87    | 11.00    | 09/14/87    |          | 09/14/87    | 5.10     |
|                  | { 4.87} |                             |                         | 10/13/87    |          | { 3.52}     |          |             |          |
|                  |         |                             |                         | 12/28/87    | 12.00    | 10/07/87    | 6.97     | 10/13/87    |          |
|                  |         |                             |                         |             | { 4.77}  |             | { 3.64}  |             |          |
|                  |         |                             |                         |             | NR       | 12/22/87    | 6.13     | 12/22/87    |          |
|                  |         |                             |                         |             |          |             | { 3.54}  |             |          |
| CALCIUM          | PPB     | 50.00                       |                         | 07/13/87    | 70900.00 | 07/14/87    | 47300.00 | 07/15/87    | 52400.00 |
|                  |         |                             |                         | 08/12/87    | 62300.00 | 08/08/87    | 35900.00 | 08/08/87    | 38500.00 |
|                  |         |                             |                         | 09/17/87    | 86500.00 | 09/14/87    | 39900.00 | 09/14/87    | 45200.00 |
|                  |         |                             |                         | 12/28/87    | 90000.00 | 10/07/87    | 99000.00 | 10/13/87    | 39900.00 |
|                  |         |                             |                         |             | NR       | 12/22/87    | 40400.00 | 12/22/87    | 48700.00 |
| CHLFORM          | PPB     | 10.00                       | 100.00                  | 07/13/87    |          | 07/14/87    | 19.00    | 07/15/87    | 28.00    |
|                  |         |                             |                         | 08/12/87    |          | 08/08/87    | 20.00    | 08/08/87    | 24.00    |
|                  |         |                             |                         | 09/17/87    |          | 09/14/87    | 20.00    | 09/14/87    | 19.00    |
|                  |         |                             |                         | 12/28/87    |          | 10/07/87    | 20.00    | 10/13/87    | 20.00    |
|                  |         |                             |                         |             |          |             |          |             |          |

C.204

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H3-1      |          | 1-H3-2A     |          | 1-H3-2B     |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | 1-H3-1   | SAMPLE DATE | 1-H3-2A  | SAMPLE DATE | 1-H3-2B  |
| CHLFORM          | PPB   | 10.00                       | 100.00                  |             | NR       | 12/22/87    | 10.00    | 12/22/87    | 20.00    |
| CHLORID          | PPB   | 500.00                      |                         | 07/13/87    | 11400.00 | 07/14/87    | 7700.00  | 07/15/87    | 8100.00  |
|                  |       |                             |                         | 08/12/87    | 13000.00 | 08/06/87    | 6700.00  | 08/06/87    | 7100.00  |
|                  |       |                             |                         | 09/17/87    | 14000.00 | 09/14/87    | 6400.00  | 09/14/87    | 6850.00  |
|                  |       |                             |                         | 12/28/87    | 12900.00 | 10/07/87    | 6100.00  | 10/13/87    | 6010.00  |
|                  |       |                             |                         |             | NR       | 12/22/87    | 6010.00  | 12/22/87    | 6000.00  |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 07/13/87    | 52.00 *  | 07/14/87    | 50.00 *  | 07/15/87    | 41.00    |
|                  |       |                             |                         | 08/12/87    | 66.00 *  | 08/06/87    | 53.00 *  | 08/06/87    | 30.00    |
|                  |       |                             |                         | 09/17/87    | 75.00 *  | 09/14/87    | 37.00    | 09/14/87    | 24.00    |
|                  |       |                             |                         | 12/28/87    | 79.00 *  | 10/07/87    | 36.00    | 10/13/87    | 38.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    | 36.00    | 12/22/87    | 27.00    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/13/87    | 5.03     |             | NR       |             | NR       |
|                  |       |                             |                         |             | { 5.03 } |             |          |             |          |
|                  |       |                             |                         | 12/28/87    | 8.00     |             | NR       |             | NR       |
|                  |       |                             |                         |             | { 4.96 } |             |          |             |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/13/87    | 553.00   | 07/14/87    | 252.00   | 07/15/87    | 200.00   |
|                  |       |                             |                         | 08/12/87    | 544.00   | 08/06/87    | 314.00   | 08/06/87    | 319.00   |
|                  |       |                             |                         | 09/17/87    | 502.00   | 09/14/87    | 293.00   | 09/14/87    | 306.00   |
|                  |       |                             |                         | 12/28/87    | 640.00   | 10/07/87    | 288.00   | 10/13/87    | 310.00   |
|                  |       |                             |                         |             | NR       | 12/22/87    | 300.00   | 12/22/87    | 200.00   |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/13/87    | 49.00    | 07/14/87    | 34.00    | 07/15/87    | 30.00    |
|                  |       |                             |                         | 08/12/87    | 47.00    | 08/06/87    | 23.00    | 08/06/87    | 37.00    |
|                  |       |                             |                         | 09/17/87    | 40.00    | 09/14/87    | 23.00    | 09/14/87    | 32.00    |
|                  |       |                             |                         | 12/28/87    | 60.00    | 10/07/87    | 27.00    | 10/13/87    | 35.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    | 20.00    | 12/22/87    | 32.00    |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 07/13/87    |          | 07/14/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/12/87    |          | 08/06/87    | 2.00     | 08/06/87    |          |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    |          | 09/14/87    | 2.00     |
|                  |       |                             |                         | 12/28/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/13/87    | 69500.00 | 07/14/87    | 50200.00 | 07/15/87    | 50400.00 |
|                  |       |                             |                         | 08/12/87    | 61500.00 | 08/06/87    | 38400.00 | 08/06/87    | 41800.00 |

C.205

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H3-1      | 1-H3-2A  | 1-H3-2A     | 1-H3-2B  |             |          |
| FCALCIU          | PPB   | 50.00                       |                         | 09/17/87    | 05800.00 | 09/14/87    | 40100.00 | 09/14/87    | 45800.00 |
|                  |       |                             |                         | 12/28/87    | 80700.00 | 10/07/87    | 40700.00 | 10/13/87    | 41500.00 |
|                  |       |                             |                         |             | NR       | 12/22/87    | 39100.00 | 12/22/87    | 41000.00 |
|                  |       |                             |                         |             |          |             |          |             |          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/13/87    | 40.00    | 07/14/87    | 51.00 *  | 07/15/87    | 37.00    |
|                  |       |                             |                         | 08/12/87    | 50.00    | 08/08/87    | 40.00    | 08/08/87    | 40.00    |
|                  |       |                             |                         | 09/17/87    | 34.00    | 09/14/87    | 32.00    | 09/14/87    | 32.00    |
|                  |       |                             |                         | 12/28/87    | 70.00 *  | 10/07/87    | 29.00    | 10/13/87    | 31.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    | 30.00    | 12/22/87    | 23.00    |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/13/87    | 549.00   | 07/14/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/12/87    |          | 08/08/87    |          | 08/08/87    |          |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    |          | 09/14/87    |          |
|                  |       |                             |                         | 12/28/87    | 583.00   | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/13/87    | 17300.00 | 07/14/87    | 11400.00 | 07/15/87    | 11200.00 |
|                  |       |                             |                         | 08/12/87    | 10900.00 | 08/08/87    | 10100.00 | 08/08/87    | 11100.00 |
|                  |       |                             |                         | 09/17/87    | 15700.00 | 09/14/87    | 8600.00  | 09/14/87    | 9940.00  |
|                  |       |                             |                         | 12/28/87    | 21900.00 | 10/07/87    | 8300.00  | 10/13/87    | 10100.00 |
|                  |       |                             |                         |             | NR       | 12/22/87    | 9670.00  | 12/22/87    | 10100.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 07/13/87    |          | 07/14/87    |          | 07/15/87    | 85.00    |
|                  |       |                             |                         | 08/12/87    |          | 08/08/87    |          | 08/08/87    | 63.00    |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    |          | 09/14/87    | 50.00    |
|                  |       |                             |                         | 12/28/87    |          | 10/07/87    |          | 10/13/87    | 40.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    | 20.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 07/13/87    | 5910.00  | 07/14/87    | 4780.00  | 07/15/87    | 5000.00  |
|                  |       |                             |                         | 08/12/87    | 6530.00  | 08/08/87    | 4490.00  | 08/08/87    | 4970.00  |
|                  |       |                             |                         | 09/17/87    | 5520.00  | 09/14/87    | 4210.00  | 09/14/87    | 5020.00  |
|                  |       |                             |                         | 12/28/87    | 6950.00  | 10/07/87    | 3030.00  | 10/13/87    | 5130.00  |
|                  |       |                             |                         |             | NR       | 12/22/87    | 4040.00  | 12/22/87    | 5320.00  |
| FSODDIUM         | PPB   | 100.00                      |                         | 07/13/87    | 19500.00 | 07/14/87    | 12000.00 | 07/15/87    | 10200.00 |
|                  |       |                             |                         | 08/12/87    | 20900.00 | 08/08/87    | 12300.00 | 08/08/87    | 10000.00 |
|                  |       |                             |                         | 09/17/87    | 18000.00 | 09/14/87    | 11000.00 | 09/14/87    | 9370.00  |
|                  |       |                             |                         | 12/28/87    | 23700.00 | 10/07/87    | 10100.00 | 10/13/87    | 10100.00 |
|                  |       |                             |                         |             | NR       | 12/22/87    | 14200.00 | 12/22/87    | 11200.00 |

C.206

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-1   | SAMPLE DATE | 1-H3-2A  | SAMPLE DATE | 1-H3-2B  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| FSTRONT          | PPB   | 300.00                      |                         | 07/13/87    | 420.00   | 07/14/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/12/87    | 450.00   | 08/08/87    |          | 08/08/87    |          |
|                  |       |                             |                         | 09/17/87    | 417.00   | 09/14/87    |          | 09/14/87    |          |
|                  |       |                             |                         | 12/28/87    | 500.00   | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    |          |
| FVANADI          | PPB   | 5.00                        |                         | 07/13/87    | 10.00    | 07/14/87    | 10.00    | 07/15/87    | 9.00     |
|                  |       |                             |                         | 08/12/87    | 10.00    | 08/08/87    | 10.00    | 08/08/87    | 5.00     |
|                  |       |                             |                         | 09/17/87    | 9.00     | 09/14/87    | 10.00    | 09/14/87    | 9.00     |
|                  |       |                             |                         | 12/28/87    | 8.00     | 10/07/87    | 9.00     | 10/13/87    | 5.00     |
|                  |       |                             |                         |             | NR       | 12/22/87    | 9.00     | 12/22/87    |          |
| FZINC            | PPB   | 5.00                        |                         | 07/13/87    | 6.00     | 07/14/87    |          | 07/15/87    | 5.00     |
|                  |       |                             |                         | 08/12/87    | 7.00     | 08/08/87    |          | 08/08/87    |          |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    |          | 09/14/87    |          |
|                  |       |                             |                         | 12/28/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    |          |
| IRON             | PPB   | 50.00                       |                         | 07/13/87    | 53.00    | 07/14/87    | 90.00    | 07/15/87    |          |
|                  |       |                             |                         | 08/12/87    |          | 08/08/87    | 80.00    | 08/08/87    |          |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    | 82.00    | 09/14/87    |          |
|                  |       |                             |                         | 12/28/87    | 240.00   | 10/07/87    | 72.00    | 10/13/87    | 50.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    | 50.00    | 12/22/87    |          |
| MAGNES           | PPB   | 0.00                        |                         | 07/13/87    | 17300.00 | 07/14/87    | 10000.00 | 07/15/87    | 11700.00 |
|                  |       |                             |                         | 08/12/87    | 19400.00 | 08/08/87    | 9800.00  | 08/08/87    | 10400.00 |
|                  |       |                             |                         | 09/17/87    | 19900.00 | 09/14/87    | 8300.00  | 09/14/87    | 9600.00  |
|                  |       |                             |                         | 12/28/87    | 22400.00 | 10/07/87    | 8800.00  | 10/13/87    | 9740.00  |
|                  |       |                             |                         |             | NR       | 12/22/87    | 9100.00  | 12/22/87    | 10300.00 |
| MANGESE          | PPB   | 5.00                        |                         | 07/13/87    |          | 07/14/87    |          | 07/15/87    | 80.00    |
|                  |       |                             |                         | 08/12/87    |          | 08/08/87    |          | 08/08/87    | 50.00    |
|                  |       |                             |                         | 09/17/87    |          | 09/14/87    |          | 09/14/87    | 51.00    |
|                  |       |                             |                         | 12/28/87    | 9.00     | 10/07/87    |          | 10/13/87    | 50.00    |
|                  |       |                             |                         |             | NR       | 12/22/87    |          | 12/22/87    | 32.00    |
| METHYCH          | PPB   | 10.00                       |                         | 07/13/87    |          | 07/14/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/12/87    |          | 08/08/87    |          | 08/08/87    |          |

C.207

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H3-1      |                        | 1-H3-2A              |                      | 1-H3-2B              |                      |
|------------------|------------|-----------------------------|-------------------------|-------------|------------------------|----------------------|----------------------|----------------------|----------------------|
|                  |            |                             |                         | SAMPLE DATE | 1-H3-1                 | SAMPLE DATE          | 1-H3-2A              | SAMPLE DATE          | 1-H3-2B              |
| METHYCH          | PPB        | 10.00                       |                         | 09/17/87    |                        | 09/14/87             | 12.00                | 09/14/87             | 42.00                |
|                  |            |                             |                         | 12/28/87    | 81.00<br>NR            | 10/07/87<br>12/22/87 |                      | 10/13/87<br>12/22/87 |                      |
| NITRATE          | PPB        | 500.00                      | 45000.00                | 07/13/87    | 82500.00 *             | 07/14/87             | 22300.00             | 07/15/87             | 22000.00             |
|                  |            |                             |                         | 08/12/87    | 88100.00 *             | 08/06/87             | 23300.00             | 08/06/87             | 23400.00             |
|                  |            |                             |                         | 09/17/87    | 70300.00 *             | 09/14/87             | 19300.00             | 09/14/87             | 21100.00             |
|                  |            |                             |                         | 12/28/87    | 89000.00 *             | 10/07/87<br>12/22/87 | 18600.00<br>16900.00 | 10/13/87<br>12/22/87 | 19700.00<br>14700.00 |
| PH-LAB           |            | 0.01                        |                         | 12/28/87    | 7.50<br>NR             | 10/07/87<br>12/22/87 | 7.83<br>8.00         | 10/13/87<br>12/22/87 | 7.77<br>8.10         |
|                  |            |                             |                         | PHFIELD     | 0.10                   |                      | 07/13/87             | 8.90                 | 07/14/87             |
| 08/12/87         | 7.30       | 08/06/87                    | 7.10                    |             |                        |                      | 08/06/87             | 7.50                 |                      |
| 09/17/87         | 7.40       | 09/14/87                    | 7.20                    |             |                        |                      | 09/14/87             | 7.40                 |                      |
| 12/28/87         | 8.90<br>NR | 10/07/87<br>12/22/87        | 7.40<br>7.70            |             |                        |                      | 10/13/87<br>12/22/87 | 6.20<br>7.60         |                      |
| POTASUM          | PPB        | 100.00                      |                         | 07/13/87    | 5010.00                | 07/14/87             | 4370.00              | 07/15/87             | 5030.00              |
|                  |            |                             |                         | 08/12/87    | 6370.00                | 08/06/87             | 4670.00              | 08/06/87             | 4980.00              |
|                  |            |                             |                         | 09/17/87    | 6660.00                | 09/14/87             | 3990.00              | 09/14/87             | 4680.00              |
|                  |            |                             |                         | 12/28/87    | 8430.00<br>NR          | 10/07/87<br>12/22/87 | 4610.00<br>4290.00   | 10/13/87<br>12/22/87 | 4610.00<br>4730.00   |
| RADIUM           | PCI/L      | 1.00                        | 5.00                    | 07/13/87    |                        | 07/14/87             | 0.29                 | 07/15/87             |                      |
|                  |            |                             |                         | 08/12/87    |                        | 08/06/87             | { 0.19 }             | 08/06/87             | { 0.20 }             |
|                  |            |                             |                         | 09/17/87    |                        | 09/14/87             |                      | 09/14/87             |                      |
|                  |            |                             |                         | 12/28/87    | 0.21<br>{ 0.16 }<br>NR | 10/07/87<br>12/22/87 |                      | 10/13/87<br>12/22/87 |                      |
| SODIUM           | PPB        | 100.00                      |                         | 07/13/87    | 19000.00               | 07/14/87             | 11900.00             | 07/15/87             | 10400.00             |
|                  |            |                             |                         | 08/12/87    | 20700.00               | 08/06/87             | 13500.00             | 08/06/87             | 10100.00             |
|                  |            |                             |                         | 09/17/87    | 21200.00               | 09/14/87             | 10500.00             | 09/14/87             | 8810.00              |
|                  |            |                             |                         | 12/28/87    | 21100.00<br>NR         | 10/07/87<br>12/22/87 | 10700.00<br>12400.00 | 10/13/87<br>12/22/87 | 8730.00<br>9490.00   |

C.208

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 1-H3-1      |             | 1-H3-2A     |             | 1-H3-2B     |             |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 07/13/87    | 0.47        |             | NR          |             | NR          |
|                  |       |                             |                         | 12/20/87    | { 0.34 }    |             | NR          |             | NR          |
| STRONUM          | PPB   | 300.00                      |                         | 07/13/87    | 424.00      | 07/14/87    |             | 07/15/87    |             |
|                  |       |                             |                         | 08/12/87    | 448.00      | 08/06/87    |             | 08/06/87    |             |
|                  |       |                             |                         | 09/17/87    | 516.00      | 09/14/87    |             | 09/14/87    |             |
|                  |       |                             |                         | 12/20/87    | 534.00      | 10/07/87    |             | 10/18/87    |             |
|                  |       |                             |                         |             | NR          | 12/22/87    |             | 12/22/87    |             |
| SULFATE          | PPB   | 500.00                      |                         | 07/13/87    | 74900.00    | 07/14/87    | 60700.00    | 07/15/87    | 51800.00    |
|                  |       |                             |                         | 08/12/87    | 85500.00    | 08/06/87    | 45000.00    | 08/06/87    | 49000.00    |
|                  |       |                             |                         | 09/17/87    | 91400.00    | 09/14/87    | 39800.00    | 09/14/87    | 45800.00    |
|                  |       |                             |                         | 12/20/87    | 83400.00    | 10/07/87    | 38500.00    | 10/13/87    | 43400.00    |
|                  |       |                             |                         |             | NR          | 12/22/87    | 38600.00    | 12/22/87    | 38300.00    |
| TC               | PPB   |                             |                         | 12/20/87    | 43700.00 0  | 10/07/87    | 25000.00 0  | 10/13/87    | 26100.00 0  |
|                  |       |                             |                         |             | NR          | 12/22/87    | 24800.00 0  | 12/22/87    | 23900.00 0  |
| TDS              |       |                             |                         | 12/20/87    | 432000.00 0 | 10/07/87    | 208000.00 0 | 10/13/87    | 224000.00 0 |
|                  |       |                             |                         |             | NR          | 12/22/87    | 217000.00 0 | 12/22/87    | 190000.00 0 |
| TOC              | PPB   | 1000.00                     |                         | 07/13/87    | 1170.00     | 07/14/87    |             | 07/15/87    |             |
|                  |       |                             |                         | 08/12/87    | 8440.00     | 08/06/87    |             | 08/06/87    | 1020.00     |
|                  |       |                             |                         | 09/17/87    |             | 09/14/87    |             | 09/14/87    |             |
|                  |       |                             |                         | 12/20/87    | 1140.00     | 10/07/87    |             | 10/13/87    |             |
|                  |       |                             |                         |             | NR          | 12/22/87    |             | 12/22/87    |             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/13/87    | 4570.00     |             | NR          |             | NR          |
|                  |       |                             |                         | 10/20/87    | { 270.00 }  |             | NR          |             | NR          |
|                  |       |                             |                         |             | { 6170.00 } |             |             |             |             |
|                  |       |                             |                         |             | { 300.00 }  |             |             |             |             |
| U-CHEM           | UG/L  | 0.73                        |                         | 07/13/87    | 0.02        |             | NR          |             | NR          |
|                  |       |                             |                         | 12/20/87    | 9.79        |             | NR          |             | NR          |
| VANADUM          | PPB   | 5.00                        |                         | 07/13/87    | 11.00       | 07/14/87    | 10.00       | 07/15/87    | 9.00        |
|                  |       |                             |                         | 08/12/87    | 9.00        | 08/06/87    | 9.00        | 08/06/87    |             |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.209



TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |         |          | SAMPLE DATE |          |         |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|---------|----------|-------------|----------|---------|
|                     |       |                                   |                               | 1-H3-1      | 1-H3-2A | 1-H3-2B  | 1-H3-1      | 1-H3-2A  | 1-H3-2B |
| VANADUM             | PPB   | 5.00                              |                               | 09/17/87    | 12.00   | 09/14/87 | 10.00       | 09/14/87 |         |
|                     |       |                                   |                               | 12/28/87    | 7.00    | 10/07/87 | 7.00        | 10/13/87 | 6.00    |
|                     |       |                                   |                               |             | NR      | 12/22/87 |             | 12/22/87 |         |
| ZINC                | PPB   | 5.00                              |                               | 07/13/87    |         | 07/14/87 |             | 07/15/87 |         |
|                     |       |                                   |                               | 08/12/87    |         | 08/06/87 |             | 08/06/87 |         |
|                     |       |                                   |                               | 09/17/87    | 7.00    | 09/14/87 | 7.00        | 09/14/87 |         |
|                     |       |                                   |                               | 12/28/87    | 5.00    | 10/07/87 | 5.00        | 10/13/87 | 6.00    |
|                     |       |                                   |                               |             | NR      | 12/22/87 | 6.00        | 12/22/87 | 7.00    |

C.210

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C  | SAMPLE DATE | 1-H4-3       | SAMPLE DATE | 1-H4-4      |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|--------------|-------------|-------------|
| 1,1,1-T          | PPB   | 10.00                       | 200.00                  | 07/14/87    |          | 07/10/87    |              | 07/08/87    |             |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    |              | 08/11/87    | 120.00      |
|                  |       |                             |                         | 09/14/87    |          | 08/11/87    |              | 08/11/87    | 110.00      |
|                  |       |                             |                         | 09/14/87    |          | 09/21/87    |              | 09/22/87    |             |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    |              | 09/22/87    |             |
|                  |       |                             |                         |             | NR       | 10/06/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR       | 12/18/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR       |             |              | 12/17/87    |             |
|                  |       |                             |                         |             | NR       |             |              | 12/17/87    |             |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/14/87    |          | 07/10/87    | 199.00 +     | 07/08/87    | 83.40 +     |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | { 24.00 }    | 08/11/87    | { 12.30 }   |
|                  |       |                             |                         | 09/14/87    | 1.40     | 08/11/87    | { 23.30 }    | 08/11/87    | { 9.22 }    |
|                  |       |                             |                         | 10/13/87    | { 1.00 } | 08/11/87    | { 205.00 + } | 08/11/87    | { 50.50 + } |
|                  |       |                             |                         |             |          | 09/21/87    | { 22.50 }    | 09/22/87    | { 8.50 }    |
|                  |       |                             |                         |             |          | 09/21/87    | { 86.30 + }  | 09/22/87    | { 50.40 + } |
|                  |       |                             |                         |             |          | 10/06/87    | { 9.32 }     | 10/16/87    | { 9.04 }    |
|                  |       |                             |                         |             |          | 10/06/87    | { 71.20 + }  | 10/16/87    | { 47.60 + } |
|                  |       |                             |                         |             |          | 12/18/87    | { 9.10 }     | 10/16/87    | { 7.10 }    |
|                  |       |                             |                         |             |          | 12/18/87    | { 110.00 + } | 10/16/87    | { 72.70 + } |
|                  |       |                             | { 14.00 }               | 12/17/87    | { 9.93 } |             |              |             |             |
|                  |       |                             | NR                      | 12/17/87    | NR       | { 60.70 + } |              |             |             |
|                  |       |                             | NR                      | 12/17/87    | NR       | { 8.49 }    |              |             |             |
|                  |       |                             | NR                      | 12/17/87    | NR       | { 51.40 + } |              |             |             |
|                  |       |                             |                         |             |          | { 7.27 }    |              |             |             |
| ALUMNUM          | PPB   | 150.00                      | 07/14/87                |             | 07/10/87 | 902.00      | 07/08/87     |             |             |
|                  |       |                             | 08/04/87                |             | 08/11/87 | 301.00      | 08/11/87     |             |             |
|                  |       |                             | 09/14/87                |             | 09/21/87 | 1100.00     | 09/22/87     |             |             |
|                  |       |                             | 10/13/87                |             | 09/21/87 | 900.00      | 09/22/87     |             |             |
|                  |       |                             |                         |             | 10/06/87 |             | 10/16/87     |             |             |
|                  |       |                             |                         | 12/18/87    |          | 12/17/87    |              |             |             |
| AMMONIU          | PPB   | 50.00                       | 07/14/87                | 70.00       | 07/10/87 |             | 07/08/87     |             |             |
|                  |       |                             | 08/04/87                | 89.00       | 08/11/87 |             | 08/11/87     |             |             |
|                  |       |                             | 09/14/87                |             | 09/21/87 |             | 08/11/87     |             |             |
|                  |       |                             | 10/13/87                |             | 10/06/87 |             | 09/22/87     |             |             |
|                  |       |                             |                         |             |          |             |              |             |             |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.211

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C      |          | 1-H4-3       |          | 1-H4-4       |        |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------|----------|--------------|----------|--------------|--------|
|                  |       |                             |                         |             | SAMPLE DATE  | 1-H3-2C  | SAMPLE DATE  | 1-H4-3   | SAMPLE DATE  | 1-H4-4 |
| AMMONIU          | PPB   | 50.00                       |                         |             | NR           |          | 12/10/87     |          | 10/10/87     |        |
|                  |       |                             |                         |             | NR           |          |              | NR       | 10/10/87     |        |
|                  |       |                             |                         |             | NR           |          |              | NR       | 12/17/87     |        |
|                  |       |                             |                         |             | NR           |          |              | NR       | 12/17/87     |        |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 07/14/87    |              | 07/10/87 |              | 07/08/87 |              |        |
|                  |       |                             |                         | 08/04/87    |              | 08/11/87 |              | 08/11/87 |              |        |
|                  |       |                             |                         | 09/14/87    |              | 09/21/87 | 6.00         | 09/22/87 |              |        |
|                  |       |                             |                         | 10/13/87    | 6.00         | 09/21/87 |              | 09/22/87 |              |        |
|                  |       |                             |                         |             | NR           | 10/08/87 | 7.00         | 10/10/87 |              |        |
|                  | NR    | 12/10/87                    |                         | 12/17/87    |              | 7.00     | 5.00         |          |              |        |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 07/14/87    | 22.00        | 07/10/87 | 91.00        | 07/08/87 | 50.00        |        |
|                  |       |                             |                         | 08/04/87    | 22.00        | 08/11/87 | 50.00        | 08/11/87 | 80.00        |        |
|                  |       |                             |                         | 09/14/87    | 22.00        | 09/21/87 | 30.00        | 09/22/87 | 95.00        |        |
|                  |       |                             |                         | 10/13/87    | 20.00        | 09/21/87 | 30.00        | 09/22/87 | 95.00        |        |
|                  |       |                             |                         |             | NR           | 10/08/87 | 24.00        | 10/10/87 | 43.00        |        |
|                  | NR    | 12/10/87                    | 16.00                   | 12/17/87    | 43.00        |          |              |          |              |        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/14/87    | 3.66         | 07/10/87 | 811.00 +     | 07/08/87 | 335.00 +     |        |
|                  |       |                             |                         | 08/04/87    | { 3.26 }     | 08/11/87 | { 40.50 }    | 08/11/87 | { 10.20 }    |        |
|                  |       |                             |                         | 09/14/87    | { 3.39 }     | 08/11/87 | { 29.30 }    | 08/11/87 | { 19.40 }    |        |
|                  |       |                             |                         | 10/13/87    | { 3.83 }     | 09/21/87 | { 25.90 }    | 09/22/87 | { 20.00 }    |        |
|                  |       |                             |                         |             | { 5.63 }     | 09/21/87 | { 219.00 + } | 09/22/87 | { 311.00 + } |        |
|                  |       |                             |                         |             | { 3.60 }     | 10/08/87 | { 14.10 }    | 10/10/87 | { 17.30 }    |        |
|                  |       |                             |                         |             | NR           | 10/08/87 | { 100.00 + } | 10/10/87 | { 220.00 + } |        |
|                  |       |                             |                         |             | NR           | 12/10/87 | { 12.30 }    | 10/10/87 | { 14.30 }    |        |
|                  |       |                             |                         |             | NR           | 12/10/87 | { 190.00 + } | 10/10/87 | { 227.00 + } |        |
|                  |       |                             |                         |             | NR           |          | { 13.70 }    | 12/17/87 | { 14.40 }    |        |
|                  | NR    |                             | NR                      | 12/17/87    | { 103.00 + } |          |              |          |              |        |
|                  | NR    |                             | NR                      | 12/17/87    | { 13.10 }    |          |              |          |              |        |
|                  | NR    |                             | NR                      | 12/17/87    | { 174.00 + } |          |              |          |              |        |
|                  | NR    |                             | NR                      | 12/17/87    | { 12.00 }    |          |              |          |              |        |
| CALCIUM          | PPB   | 50.00                       |                         | 07/14/87    | 24200.00     | 07/10/87 | 52000.00     | 07/08/87 | 41200.00     |        |
|                  |       |                             |                         | 08/04/87    | 20300.00     | 08/11/87 | 29100.00     | 08/11/87 | 38100.00     |        |
|                  |       |                             |                         | 09/14/87    | 24500.00     | 09/21/87 | 15300.00     | 09/22/87 | 54900.00     |        |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.212

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C  | SAMPLE DATE | 1-H4-3   | SAMPLE DATE | 1-H4-4   |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         |             |          |             |          |             |          |
| CALCIUM          | PPB   | 50.00                       |                         | 10/13/87    | 23100.00 | 09/21/87    | 15100.00 | 09/22/87    | 55900.00 |
|                  |       |                             |                         |             | NR       | 10/08/87    | 13400.00 | 10/16/87    | 27100.00 |
|                  |       |                             |                         |             | NR       | 12/18/87    | 12400.00 | 12/17/87    | 43300.00 |
| CHLDRM           | PPB   | 10.00                       | 100.00                  | 07/14/87    |          | 07/10/87    | 15.40    | 07/08/87    | 10.40    |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | 18.00    | 08/11/87    | 12.00    |
|                  |       |                             |                         | 09/14/87    |          | 08/11/87    | 17.00    | 08/11/87    | 12.00    |
|                  |       |                             |                         | 09/14/87    |          | 09/21/87    | 18.00    | 09/22/87    | 18.00    |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    | 18.00    | 09/22/87    | 18.00    |
|                  |       |                             |                         |             | NR       | 10/08/87    | 15.00    | 10/16/87    | 11.00    |
|                  |       |                             |                         |             | NR       | 12/18/87    | 17.00    | 10/16/87    | 11.00    |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       |             |          |
| CHLORID          | PPB   | 500.00                      |                         | 07/14/87    | 2870.00  | 07/10/87    | 10000.00 | 07/08/87    | 6130.00  |
|                  |       |                             |                         | 08/04/87    | 2470.00  | 08/11/87    | 10500.00 | 08/11/87    | 8750.00  |
|                  |       |                             |                         | 09/14/87    | 2550.00  | 08/11/87    | 10300.00 | 08/11/87    | 8710.00  |
|                  |       |                             |                         | 10/13/87    | 2510.00  | 09/21/87    | 9150.00  | 09/22/87    | 8890.00  |
|                  |       |                             |                         |             | NR       | 09/21/87    | 9120.00  | 09/22/87    | 8730.00  |
|                  |       |                             |                         |             | NR       | 10/08/87    | 8540.00  | 10/16/87    | 6280.00  |
|                  |       |                             |                         |             | NR       | 12/18/87    | 9110.00  | 10/16/87    | 6340.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    | 5950.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    | 5950.00  |
|                  |       |                             |                         |             | NR       |             | NR       |             |          |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 07/14/87    |          | 07/10/87    | 397.00 * | 07/08/87    | 281.00 * |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | 300.00 * | 08/11/87    | 289.00 * |
|                  |       |                             |                         | 09/14/87    |          | 09/21/87    | 242.00 * | 09/22/87    | 336.00 * |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    | 245.00 * | 09/22/87    | 337.00 * |
|                  |       |                             |                         |             | NR       | 10/08/87    | 241.00 * | 10/16/87    | 217.00 * |
|                  | NR    | 12/18/87                    | 242.00 *                | 12/17/87    | 234.00 * |             |          |             |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/14/87    | 167.00   | 07/10/87    | 2020.00  | 07/08/87    | 752.00   |
|                  |       |                             |                         | 08/04/87    | 212.00   | 08/11/87    | 1621.00  | 08/11/87    | 921.00   |
|                  |       |                             |                         | 09/14/87    | 230.00   | 09/21/87    | 1128.00  | 09/22/87    | 1224.00  |
|                  |       |                             |                         | 10/13/87    | 225.00   | 10/08/87    | 937.00   | 10/16/87    |          |
|                  |       |                             |                         |             | NR       | 12/18/87    | 920.00   | 12/17/87    | 700.00   |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/14/87    |          | 07/10/87    | 48.00    | 07/08/87    |          |
|                  |       |                             |                         | 08/04/87    | 13.00    | 08/11/87    | 25.00    | 08/11/87    |          |

C.213

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C  | SAMPLE DATE | 1-H4-3   | SAMPLE DATE | 1-H4-4   |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| COPPER           | PPB   | 10.00                       | (1300.0)                | 09/14/87    |          | 09/21/87    | 15.00    | 09/22/87    |          |
|                  |       |                             |                         | 10/13/87    | 10.00    | 09/21/87    | 13.00    | 09/22/87    |          |
|                  |       |                             |                         |             | NR       | 10/06/87    | 10.00    | 10/16/87    |          |
|                  |       |                             |                         |             | NR       | 12/18/87    | 11.00    | 12/17/87    |          |
| FARSEN           | PPB   | 5.00                        | 50.00                   | 07/14/87    |          | 07/10/87    |          | 07/08/87    |          |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | 5.00     | 08/11/87    |          |
|                  |       |                             |                         | 09/14/87    |          | 09/21/87    | 5.00     | 09/22/87    | 5.00     |
|                  |       |                             |                         | 10/13/87    | 5.00     | 10/06/87    | 5.00     | 10/16/87    |          |
|                  |       |                             | NR                      | 12/18/87    | 5.00     | 10/16/87    | 5.00     |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 5.00     |             |          |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/14/87    | 23.00    | 07/10/87    | 86.00    | 07/08/87    | 00.00    |
|                  |       |                             |                         | 08/04/87    | 18.00    | 08/11/87    | 56.00    | 08/11/87    | 71.00    |
|                  |       |                             |                         | 09/14/87    | 18.00    | 08/11/87    | 52.00    | 08/11/87    | 73.00    |
|                  |       |                             |                         | 10/13/87    | 23.00    | 09/21/87    | 21.00    | 09/22/87    | 05.00    |
|                  |       |                             | NR                      | 10/06/87    | 21.00    | 10/16/87    | 47.00    |             |          |
|                  |       |                             | NR                      |             | NR       | 10/16/87    | 47.00    |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 40.00    |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 44.00    |             |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/14/87    | 25200.00 | 07/10/87    | 52400.00 | 07/08/87    | 41300.00 |
|                  |       |                             |                         | 08/04/87    | 20000.00 | 08/11/87    | 29100.00 | 08/11/87    | 42000.00 |
|                  |       |                             |                         | 09/14/87    | 23700.00 | 08/11/87    | 20500.00 | 08/11/87    | 40400.00 |
|                  |       |                             |                         | 10/13/87    | 22900.00 | 09/21/87    | 16400.00 | 09/22/87    | 69500.00 |
|                  |       |                             | NR                      | 10/06/87    | 14300.00 | 10/16/87    | 29700.00 |             |          |
|                  |       |                             | NR                      |             | NR       | 10/16/87    | 32200.00 |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 27000.00 |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 30500.00 |             |          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/14/87    |          | 07/10/87    | 386.00 * | 07/08/87    | 283.00 * |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | 306.00 * | 08/11/87    | 323.00 * |
|                  |       |                             |                         | 09/14/87    |          | 08/11/87    | 300.00 * | 08/11/87    | 312.00 * |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    | 242.00 * | 09/22/87    | 355.00 * |
|                  |       |                             | NR                      | 10/06/87    | 233.00 * | 10/16/87    | 233.00 * |             |          |
|                  |       |                             | NR                      |             | NR       | 10/16/87    | 249.00 * |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 167.00 * |             |          |
|                  |       |                             | NR                      |             | NR       | 12/17/87    | 104.00 * |             |          |
| FCOPPER          | PPB   | 10.00                       | (1300.0)                | 07/14/87    |          | 07/10/87    | 46.00    | 07/08/87    |          |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.214

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C | SAMPLE DATE | 1-H4-3  | SAMPLE DATE | 1-H4-4  |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|---------|-------------|---------|
| FCOPPER          | PPB   | 10.00                       | (1300.0)                | 08/04/87    |         | 08/11/87    | 20.00   | 08/11/87    |         |
|                  |       |                             |                         | 09/14/87    |         | 08/11/87    | 22.00   | 08/11/87    |         |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    |         | 09/22/87    |         |
|                  |       |                             |                         |             | NR      | 10/06/87    |         | 10/16/87    |         |
|                  |       |                             |                         |             | NR      | 12/18/87    |         | 10/16/87    |         |
|                  |       |                             |                         |             |         | NR          |         | 12/17/87    |         |
|                  |       |                             |                         |             |         | NR          |         | 12/17/87    |         |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/14/87    | 500.00  | 07/10/87    | 1300.00 | 07/08/87    | 755.00  |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    |         | 08/11/87    | 546.00  |
|                  |       |                             |                         | 09/14/87    |         | 08/11/87    |         | 08/11/87    | 540.00  |
|                  |       |                             |                         | 10/13/87    | 528.00  | 09/21/87    |         | 09/22/87    | 515.00  |
|                  |       |                             |                         |             | NR      | 09/21/87    |         | 09/22/87    | 515.00  |
|                  | NR    | 10/06/87                    | 950.00                  | 10/16/87    | 835.00  |             |         |             |         |
|                  | NR    | 12/18/87                    | 929.00                  | 10/16/87    | 800.00  |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    | 853.00  |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    | 885.00  |             |         |             |         |
| FMAGNES          | PPB   | 0.00                        |                         | 07/14/87    | 8800.00 | 07/10/87    | 9030.00 | 07/08/87    | 8000.00 |
|                  |       |                             |                         | 08/04/87    | 8210.00 | 08/11/87    | 5500.00 | 08/11/87    | 7200.00 |
|                  |       |                             |                         | 09/14/87    | 7820.00 | 08/11/87    | 5300.00 | 08/11/87    | 7030.00 |
|                  |       |                             |                         | 10/13/87    | 8520.00 | 09/21/87    | 1410.00 | 09/22/87    | 8740.00 |
|                  |       |                             |                         |             | NR      | 10/06/87    | 2300.00 | 10/16/87    | 4740.00 |
|                  | NR    | 12/18/87                    | 2230.00                 | 10/16/87    | 4830.00 |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    | 4370.00 |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    | 4690.00 |             |         |             |         |
| FMANGAN          | PPB   | 5.00                        |                         | 07/14/87    | 23.00   | 07/10/87    |         | 07/08/87    |         |
|                  |       |                             |                         | 08/04/87    | 11.00   | 08/11/87    | 6.00    | 08/11/87    |         |
|                  |       |                             |                         | 09/14/87    | 9.00    | 08/11/87    |         | 08/11/87    |         |
|                  |       |                             |                         | 10/13/87    | 7.00    | 09/21/87    |         | 09/22/87    |         |
|                  |       |                             |                         |             | NR      | 10/06/87    |         | 10/16/87    |         |
|                  | NR    | 12/18/87                    |                         | 10/16/87    |         |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    |         |             |         |             |         |
|                  | NR    |                             |                         | 12/17/87    |         |             |         |             |         |
| FNICKEL          | PPB   | 10.00                       |                         | 07/14/87    |         | 07/10/87    | 38.00   | 07/08/87    | 10.00   |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    | 28.00   | 08/11/87    | 17.00   |
|                  |       |                             |                         | 09/14/87    |         | 08/11/87    | 31.00   | 08/11/87    | 15.00   |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 \* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |           | SAMPLE DATE |           |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-----------|-------------|-----------|
|                  |       |                             |                         | 1-H3-2C     |          | 1-H4-3      |           | 1-H4-4      |           |
| FNICKEL          | PPB   | 10.00                       |                         | 10/13/87    |          | 09/21/87    |           | 09/22/87    | 14.00     |
|                  |       |                             |                         |             | NR       | 10/06/87    | 11.00     | 10/16/87    |           |
|                  |       |                             |                         |             | NR       | 12/18/87    | 11.00     | 10/16/87    | 10.00     |
|                  |       |                             |                         |             | NR       |             | NR        | 12/17/87    |           |
|                  |       |                             |                         |             |          |             | NR        | 12/17/87    |           |
| FPOTASS          | PPB   | 100.00                      |                         | 07/14/87    | 4800.00  | 07/10/87    | 7840.00   | 07/08/87    | 5190.00   |
|                  |       |                             |                         | 08/04/87    | 4490.00  | 08/11/87    | 6170.00   | 08/11/87    | 5990.00   |
|                  |       |                             |                         | 09/14/87    | 4360.00  | 08/11/87    | 6000.00   | 08/11/87    | 5830.00   |
|                  |       |                             |                         | 10/13/87    | 4880.00  | 09/21/87    | 2200.00   | 09/22/87    | 7220.00   |
|                  |       |                             |                         |             | NR       | 10/06/87    | 3800.00   | 10/16/87    | 5040.00   |
|                  |       |                             |                         |             | NR       | 12/18/87    | 3480.00   | 10/16/87    | 4870.00   |
|                  |       |                             |                         |             | NR       |             | NR        | 12/17/87    | 4150.00   |
|                  |       |                             |                         |             | NR       | 12/17/87    | 4180.00   |             |           |
| FSODIUM          | PPB   | 100.00                      |                         | 07/14/87    | 12300.00 | 07/10/87    | 44200.00  | 07/08/87    | 137000.00 |
|                  |       |                             |                         | 08/04/87    | 11800.00 | 08/11/87    | 31000.00  | 08/11/87    | 145000.00 |
|                  |       |                             |                         | 09/14/87    | 11900.00 | 08/11/87    | 314000.00 | 08/11/87    | 148000.00 |
|                  |       |                             |                         | 10/13/87    | 13000.00 | 09/21/87    | 222000.00 | 09/22/87    | 199000.00 |
|                  |       |                             |                         |             | NR       | 10/06/87    | 178000.00 | 10/16/87    | 117000.00 |
|                  |       |                             |                         |             | NR       | 12/18/87    | 191000.00 | 10/16/87    | 115000.00 |
|                  |       |                             |                         |             | NR       |             | NR        | 12/17/87    | 95500.00  |
|                  |       |                             |                         |             | NR       | 12/17/87    | 99700.00  |             |           |
| FSTRONT          | PPB   | 300.00                      |                         | 07/14/87    |          | 07/10/87    | 312.00    | 07/08/87    |           |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    |           | 08/11/87    |           |
|                  |       |                             |                         | 09/14/87    |          | 08/11/87    |           | 08/11/87    |           |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    |           | 09/22/87    | 332.00    |
|                  |       |                             |                         |             | NR       | 10/06/87    |           | 10/16/87    |           |
|                  |       |                             |                         |             | NR       | 12/18/87    |           | 10/16/87    |           |
|                  |       |                             |                         |             | NR       |             |           | 12/17/87    |           |
|                  |       |                             |                         | NR          |          |             |           |             |           |
| FVANADI          | PPB   | 5.00                        |                         | 07/14/87    | 20.00    | 07/10/87    |           | 07/08/87    |           |
|                  |       |                             |                         | 08/04/87    | 10.00    | 08/11/87    | 11.00     | 08/11/87    | 5.00      |
|                  |       |                             |                         | 09/14/87    | 10.00    | 08/11/87    | 0.00      | 08/11/87    | 7.00      |
|                  |       |                             |                         | 10/13/87    | 20.00    | 09/21/87    | 5.00      | 09/22/87    |           |
|                  |       |                             |                         |             | NR       | 10/06/87    | 11.00     | 10/16/87    | 0.00      |
|                  |       |                             |                         |             | NR       | 12/18/87    | 0.00      | 10/16/87    | 5.00      |
|                  |       |                             |                         |             |          |             |           |             |           |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C | SAMPLE DATE | 1-H4-3  | SAMPLE DATE | 1-H4-4  |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|---------|-------------|---------|
| FVANADI          | PPB   | 5.00                        |                         |             | NR      |             | NR      | 12/17/87    |         |
|                  |       |                             |                         |             | NR      |             | NR      | 12/17/87    | 6.00    |
| FZINC            | PPB   | 5.00                        |                         | 07/14/87    | 10.00   | 07/10/87    |         | 07/08/87    | 49.00   |
|                  |       |                             |                         | 08/04/87    | 8.00    | 08/11/87    |         | 08/11/87    | 68.00   |
|                  |       |                             |                         | 09/14/87    | 5.00    | 08/11/87    |         | 08/11/87    | 61.00   |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    | 12.00   | 09/22/87    | 125.00  |
|                  |       |                             |                         |             | NR      | 10/08/87    | 1400.00 | 10/10/87    | 53.00   |
|                  |       |                             |                         |             | NR      | 12/18/87    | 5.00    | 10/10/87    | 50.00   |
|                  |       |                             |                         |             | NR      |             |         | 12/17/87    | 90.00   |
|                  |       |                             |                         |             | NR      |             |         | 12/17/87    | 101.00  |
| IRON             | PPB   | 50.00                       |                         | 07/14/87    |         | 07/10/87    | 1150.00 | 07/08/87    | 53.00   |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    | 415.00  | 08/11/87    | 128.00  |
|                  |       |                             |                         | 09/14/87    |         | 09/21/87    | 1500.00 | 09/22/87    | 238.00  |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    | 1340.00 | 09/22/87    | 104.00  |
|                  |       |                             |                         |             | NR      | 10/08/87    | 202.00  | 10/10/87    | 80.00   |
|                  |       |                             |                         |             | NR      | 12/18/87    | 1130.00 | 12/17/87    | 563.00  |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 07/14/87    |         | 07/10/87    |         | 07/08/87    |         |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    | 6.00    | 08/11/87    |         |
|                  |       |                             |                         | 09/14/87    |         | 09/21/87    |         | 09/22/87    |         |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    |         | 09/22/87    |         |
|                  |       |                             |                         |             | NR      | 10/08/87    |         | 10/10/87    |         |
|                  |       |                             |                         |             | NR      | 12/18/87    |         | 12/17/87    |         |
| MAGNES           | PPB   | 0.00                        |                         | 07/14/87    | 8410.00 | 07/10/87    | 9310.00 | 07/08/87    | 6780.00 |
|                  |       |                             |                         | 08/04/87    | 8450.00 | 08/11/87    | 5740.00 | 08/11/87    | 6880.00 |
|                  |       |                             |                         | 09/14/87    | 7850.00 | 09/21/87    | 2950.00 | 09/22/87    | 8060.00 |
|                  |       |                             |                         | 10/13/87    | 8470.00 | 09/21/87    | 2890.00 | 09/22/87    | 8210.00 |
|                  |       |                             |                         |             | NR      | 10/08/87    | 2240.00 | 10/10/87    | 4300.00 |
|                  |       |                             |                         |             | NR      | 12/18/87    | 2000.00 | 12/17/87    | 4780.00 |
| MANGESE          | PPB   | 5.00                        |                         | 07/14/87    | 22.00   | 07/10/87    | 10.00   | 07/08/87    |         |
|                  |       |                             |                         | 08/04/87    | 12.00   | 08/11/87    | 8.00    | 08/11/87    |         |
|                  |       |                             |                         | 09/14/87    | 9.00    | 09/21/87    | 19.00   | 09/22/87    |         |
|                  |       |                             |                         | 10/13/87    | 8.00    | 09/21/87    | 10.00   | 09/22/87    |         |
|                  |       |                             |                         |             | NR      | 10/08/87    | 7.00    | 10/10/87    |         |
|                  |       |                             |                         |             | NR      | 12/18/87    | 12.00   | 12/17/87    | 15.00   |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H3-2C | SAMPLE DATE | 1-H4-3       | SAMPLE DATE | 1-H4-4      |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|--------------|-------------|-------------|
| METHYCH          | PPB   | 10.00                       |                         | 07/14/87    |         | 07/10/87    |              | 07/08/87    |             |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    |              | 08/11/87    |             |
|                  |       |                             |                         | 09/14/87    | 2300.00 | 08/11/87    |              | 08/11/87    |             |
|                  |       |                             |                         | 09/14/87    | 2400.00 | 09/21/87    |              | 09/22/87    | 6800.00     |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    |              | 09/22/87    | 6400.00     |
|                  |       |                             |                         |             | NR      | 10/06/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR      | 12/16/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    |             |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    |             |
|                  |       |                             |                         |             |         |             |              |             |             |
| NICKEL           | PPB   | 10.00                       |                         | 07/14/87    |         | 07/10/87    | 43.00        | 07/08/87    | 10.00       |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    | 29.00        | 08/11/87    | 11.00       |
|                  |       |                             |                         | 09/14/87    |         | 09/21/87    | 10.00        | 09/22/87    | 25.00       |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    | 13.00        | 09/22/87    | 18.00       |
|                  |       |                             |                         |             | NR      | 10/06/87    | 13.00        | 10/16/87    |             |
|                  |       |                             |                         |             | NR      | 12/16/87    | 31.00        | 12/17/87    | 10.00       |
|                  |       |                             |                         |             |         |             |              |             |             |
|                  |       |                             |                         |             |         |             |              |             |             |
|                  |       |                             |                         |             |         |             |              |             |             |
|                  |       |                             |                         |             |         |             |              |             |             |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/14/87    | 3410.00 | 07/10/87    | 1020000.00 * | 07/08/87    | 206000.00 * |
|                  |       |                             |                         | 08/04/87    | 3870.00 | 08/11/87    | 750000.00 *  | 08/11/87    | 309000.00 * |
|                  |       |                             |                         | 09/14/87    | 3200.00 | 08/11/87    | 740000.00 *  | 08/11/87    | 374000.00 * |
|                  |       |                             |                         | 10/13/87    | 3200.00 | 09/21/87    | 403000.00 *  | 09/22/87    | 612000.00 * |
|                  |       |                             |                         |             | NR      | 09/21/87    | 384000.00 *  | 09/22/87    | 499000.00 * |
|                  |       |                             |                         |             | NR      | 10/06/87    | 305000.00 *  | 10/16/87    | 231000.00 * |
|                  |       |                             |                         |             | NR      | 12/16/87    | 240000.00 *  | 10/16/87    | 231000.00 * |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    | 139000.00 * |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    | 139000.00 * |
|                  |       |                             |                         |             |         |             |              |             |             |
| PERCENE          | PPB   | 10.00                       |                         | 07/14/87    |         | 07/10/87    |              | 07/08/87    |             |
|                  |       |                             |                         | 08/04/87    |         | 08/11/87    |              | 08/11/87    | 52.00       |
|                  |       |                             |                         | 09/14/87    |         | 08/11/87    |              | 08/11/87    | 52.00       |
|                  |       |                             |                         | 09/14/87    |         | 09/21/87    |              | 09/22/87    |             |
|                  |       |                             |                         | 10/13/87    |         | 09/21/87    |              | 09/22/87    |             |
|                  |       |                             |                         |             | NR      | 10/06/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR      | 12/16/87    |              | 10/16/87    |             |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    |             |
|                  |       |                             |                         |             | NR      |             | NR           | 12/17/87    |             |
|                  |       |                             |                         |             |         |             |              |             |             |
| PH-LAB           |       | 0.01                        |                         | 10/13/87    | 7.89    | 10/06/87    | 7.97         | 10/16/87    | 7.84        |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H3-2C     |          | 1-H4-3      |          | 1-H4-4      |          |
| PH-LAB           |       | 0.01                        |                         |             | NR       | 12/18/87    | 8.30     | 12/17/87    | 7.91     |
| PHFIELD          |       | 0.10                        |                         | 07/14/87    | 7.20     | 07/10/87    | 7.90     | 07/08/87    | 7.40     |
|                  |       |                             |                         | 08/04/87    | 7.40     | 08/11/87    | 7.10     | 08/11/87    | 6.90     |
|                  |       |                             |                         | 09/14/87    | 7.10     | 09/21/87    | 8.00     | 09/22/87    | 7.10     |
|                  |       |                             |                         | 10/13/87    | 5.90     | 10/06/87    | 7.80     | 10/16/87    |          |
|                  |       |                             |                         |             | NR       | 12/18/87    | 7.50     | 12/17/87    | 7.60     |
| PHOSPHA          | PPB   | 1000.00                     |                         | 07/14/87    |          | 07/10/87    |          | 07/08/87    |          |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    |          | 08/11/87    |          |
|                  |       |                             |                         | 09/14/87    |          | 08/11/87    |          | 08/11/87    |          |
|                  |       |                             |                         | 10/13/87    |          | 09/21/87    |          | 09/22/87    |          |
|                  |       |                             |                         |             | NR       | 09/21/87    |          | 09/22/87    |          |
|                  |       |                             |                         |             | NR       | 10/06/87    |          | 10/16/87    |          |
|                  |       |                             |                         |             | NR       | 12/18/87    | 11700.00 | 10/16/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    | 6240.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 12/17/87    | 6520.00  |
|                  |       |                             |                         |             |          |             |          |             |          |
| POTASUM          | PPB   | 100.00                      |                         | 07/14/87    | 4420.00  | 07/10/87    | 7910.00  | 07/08/87    | 5340.00  |
|                  |       |                             |                         | 08/04/87    | 4510.00  | 08/11/87    | 6240.00  | 08/11/87    | 5680.00  |
|                  |       |                             |                         | 09/14/87    | 4370.00  | 09/21/87    | 4260.00  | 09/22/87    | 5350.00  |
|                  |       |                             |                         | 10/13/87    | 4520.00  | 09/21/87    | 4210.00  | 09/22/87    | 6500.00  |
|                  |       |                             |                         |             | NR       | 10/06/87    | 3910.00  | 10/16/87    | 4200.00  |
|                  |       |                             |                         |             | NR       | 12/18/87    | 3490.00  | 12/17/87    | 4150.00  |
|                  |       |                             |                         |             |          |             |          |             |          |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/14/87    | 0.20     | 07/10/87    | 0.32     | 07/08/87    | 0.19     |
|                  |       |                             |                         | 08/04/87    | { 0.18 } | 08/11/87    | { 0.21 } | 08/11/87    | { 0.17 } |
|                  |       |                             |                         | 09/14/87    |          | 09/21/87    | { 0.28 } | 09/22/87    | { 0.18 } |
|                  |       |                             |                         | 10/13/87    |          | 10/06/87    | { 0.20 } | 10/16/87    | { 0.15 } |
|                  |       |                             |                         |             | NR       | 12/18/87    |          | 12/17/87    |          |
| RU-106           | PCI/L | 172.50                      | 30.00                   |             | NR       | 07/10/87    |          | 07/10/87    |          |
|                  |       |                             |                         |             | NR       | 12/18/87    |          | 10/21/87    | 48.20 *  |
| SILVER           | PPB   | 10.00                       | 50.00                   | 07/14/87    |          | 07/10/87    |          | 07/08/87    |          |
|                  |       |                             |                         | 08/04/87    |          | 08/11/87    | 11.00    | 08/11/87    |          |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                                  | 1-H3-2C                                      | SAMPLE DATE  | 1-H4-3  | SAMPLE DATE  | 1-H4-4   |
|------------------|-------|-----------------------------|-------------------------|--|--|--|---|--|--|
| SILVER           | PPB   | 10.00                       | 50.00                   | 09/14/87<br>10/13/87                         |  | 09/21/87<br>09/21/87<br>10/06/87<br>12/18/87                                     |   | 09/22/87<br>09/22/87<br>10/16/87<br>12/17/87   |  |
|                  |       |                             |                         |  | NR<br>NR                                     |  |   |  |  |
| SODIUM           | PPB   | 100.00                      |                         | 07/14/87<br>08/04/87<br>09/14/87<br>10/13/87 | 11800.00<br>12300.00<br>11300.00<br>11400.00 | 07/10/87<br>08/11/87<br>09/21/87<br>09/21/87<br>10/06/87<br>12/18/87             | 450000.00<br>320000.00<br>218000.00<br>218000.00<br>172000.00<br>177000.00          | 07/08/87<br>08/11/87<br>09/22/87<br>09/22/87<br>10/16/87<br>12/17/87                         | 135000.00<br>145000.00<br>177000.00<br>181000.00<br>105000.00<br>92800.00                                |
|                  |       |                             |                         |  | NR<br>NR                                     |  |   |  |  |
| SR 90            | PCI/L | 5.00                        | 0.50                    |  | NR<br>NR                                     | 07/10/87<br>12/18/87   | 0.97<br>{ 0.41 }<br>0.66<br>{ 0.52 }  | 07/10/87<br>10/21/87   | 5.31<br>{ 1.42 }<br>3.92<br>{ 0.99 }   |
| STRONUM          | PPB   | 300.00                      |                         | 07/14/87<br>08/04/87<br>09/14/87<br>10/13/87 |  | 07/10/87<br>08/11/87<br>09/21/87<br>09/21/87<br>10/06/87<br>12/18/87             | 314.00  | 07/08/87<br>08/11/87<br>09/22/87<br>09/22/87<br>10/16/87<br>12/17/87                         | 313.00<br>320.00   |
|                  |       |                             |                         |  | NR<br>NR                                     |  |   |  |  |
| SULFATE          | PPB   | 500.00                      |                         | 07/14/87<br>08/04/87<br>09/14/87<br>10/13/87 | 21800.00<br>18800.00<br>20800.00<br>20200.00 | 07/10/87<br>08/11/87<br>08/11/87<br>09/21/87<br>09/21/87<br>10/06/87<br>12/18/87 | 129000.00<br>116000.00<br>118000.00<br>95900.00<br>95600.00<br>87200.00<br>84400.00 | 07/08/87<br>08/11/87<br>08/11/87<br>09/22/87<br>09/22/87<br>10/16/87<br>12/17/87<br>12/17/87 | 56200.00<br>70700.00<br>76300.00<br>81100.00<br>79100.00<br>60100.00<br>66200.00<br>53800.00<br>54100.00 |
|                  |       |                             |                         |  | NR<br>NR<br>NR<br>NR<br>NR                   |  |   |  |  |
| TC               | PPB   |                             |                         | 10/13/87                                     | 24000.00 0<br>NR                             | 10/06/87<br>12/18/87   | 36100.00 0<br>34000.00 0  | 10/16/87<br>12/17/87   | 29300.00 0<br>30500.00 0   |
| TC-99            | PCI/L | 15.00                       | 900.00                  |  | NR   | 08/11/87   | 3880.00 *<br>{ 14.70 }  | 10/21/87   | 1170.00 *<br>{ 5.73 }  |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.220

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |                                     | SAMPLE DATE |                                     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------------------------------|-------------|-------------------------------------|
|                  |       |                             |                         | 1-H3-2C     |             | 1-H4-3      |                                     | 1-H4-4      |                                     |
| TC-99            | PCI/L | 15.00                       | 900.00                  | NR          |             | 08/11/87    | 3810.00 +                           |             | NR                                  |
|                  |       |                             |                         | NR          |             | 10/21/87    | { 14.70 }<br>1810.00 +<br>{ 6.76 }  |             | NR                                  |
| TDS              |       |                             |                         | 10/13/87    | 100000.00 0 | 10/08/87    | 711000.00 0                         | 10/10/87    | 530000.00 0                         |
|                  |       |                             |                         |             | NR          | 12/10/87    | 864000.00 0                         | 12/17/87    | 448000.00 0                         |
| TOC              | PPB   | 1000.00                     |                         | 07/14/87    |             | 07/10/87    | 1230.00                             | 07/08/87    | 1240.00                             |
|                  |       |                             |                         | 08/04/87    |             | 08/11/87    | 1300.00                             | 08/11/87    |                                     |
|                  |       |                             |                         | 09/14/87    |             | 09/21/87    |                                     | 09/22/87    |                                     |
|                  |       |                             |                         | 10/13/87    |             | 10/08/87    | 1120.00                             | 10/10/87    |                                     |
|                  |       |                             |                         |             | NR          | 12/10/87    |                                     | 12/17/87    |                                     |
| TOX              | PPB   | 100.00                      |                         | 07/14/87    |             | 07/10/87    |                                     | 07/08/87    |                                     |
|                  |       |                             |                         | 08/04/87    |             | 08/11/87    |                                     | 08/11/87    |                                     |
|                  |       |                             |                         | 09/14/87    | 4510.00     | 09/21/87    |                                     | 09/22/87    | 4220.00                             |
|                  |       |                             |                         | 10/13/87    |             | 10/08/87    |                                     | 10/10/87    |                                     |
|                  |       |                             |                         |             | NR          | 12/10/87    |                                     | 12/17/87    |                                     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | NR          |             | 07/10/87    | 1920.00                             | 07/10/87    | 930.00                              |
|                  |       |                             |                         | NR          |             | 10/21/87    | { 212.00 }<br>1840.00<br>{ 212.00 } | 10/21/87    | { 180.00 }<br>1500.00<br>{ 205.00 } |
| U                | PCI/L | 0.50                        | 000.00                  | NR          |             |             | NR                                  | 07/10/87    | 49.00                               |
|                  |       |                             |                         | NR          |             |             | NR                                  | 10/21/87    | 87.00                               |
| U-CHEM           | UG/L  | 0.73                        |                         | NR          |             | 07/10/87    | 200.00                              |             | NR                                  |
|                  |       |                             |                         | NR          |             | 12/10/87    | 131.00                              |             | NR                                  |
| VANADIUM         | PPB   | 5.00                        |                         | 07/14/87    | 20.00       | 07/10/87    |                                     | 07/08/87    |                                     |
|                  |       |                             |                         | 08/04/87    | 10.00       | 08/11/87    | 0.00                                | 08/11/87    | 0.00                                |
|                  |       |                             |                         | 09/14/87    | 10.00       | 09/21/87    | 12.00                               | 09/22/87    |                                     |
|                  |       |                             |                         | 10/13/87    | 10.00       | 09/21/87    | 12.00                               | 09/22/87    |                                     |
|                  |       |                             |                         |             | NR          | 10/08/87    | 10.00                               | 10/10/87    | 0.00                                |
|                  |       |                             |                         |             | NR          | 12/10/87    | 5.00                                | 12/17/87    |                                     |
| ZINC             | PPB   | 5.00                        |                         | 07/14/87    | 14.00       | 07/10/87    | 11.00                               | 07/08/87    | 50.00                               |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESSES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 1-H3-2C | SAMPLE<br>DATE | 1-H4-3 | SAMPLE<br>DATE | 1-H4-4 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|--------|----------------|--------|
| ZINC                | PPB   | 5.00                              |                               | 08/04/87       | 13.00   | 08/11/87       |        | 08/11/87       | 79.00  |
|                     |       |                                   |                               | 09/14/87       | 12.00   | 09/21/87       | 5.00   | 09/22/87       | 98.00  |
|                     |       |                                   |                               | 10/13/87       | 10.00   | 09/21/87       | 5.00   | 09/22/87       | 96.00  |
|                     |       |                                   |                               |                | NR      | 10/06/87       |        | 10/18/87       | 53.00  |
|                     |       |                                   |                               |                | NR      | 12/10/87       |        | 12/17/87       | 328.00 |

C.222

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |        | SAMPLE DATE |        | SAMPLE DATE |       |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|-------------|--------|-------------|-------|
|                  |       |                             |                         | 1-H4-5      | 1-H4-6 | 1-H4-6      | 1-H4-7 |             |       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/08/87    | 3.71   | 07/08/87    | 4.33   | 07/07/87    | 2.35  |
|                  |       |                             |                         | {           | 1.74}  | {           | 2.07}  | {           | 1.48} |
|                  |       |                             |                         | 08/11/87    | 2.08   | 08/12/87    | 2.23   | 08/10/87    | 1.97  |
|                  |       |                             |                         | {           | 1.40}  | {           | 2.01}  | {           | 1.39} |
|                  |       |                             |                         | 09/21/87    | 2.64   | 09/22/87    | 2.94   | 09/15/87    | 3.08  |
| {                | 1.05} | {                           | 1.01}                   | {           | 1.68}  |             |        |             |       |
|                  |       |                             |                         | 12/17/87    | 1.48   | 12/18/87    | 2.85   | 10/14/87    | 1.00  |
|                  |       |                             |                         | {           | 1.16}  | {           | 1.75}  | {           | 1.29} |
|                  |       |                             |                         |             | NR     |             | NR     | 10/14/87    | 2.12  |
|                  |       |                             |                         |             |        |             |        | {           | 1.38} |
| AMMONIU          | PPB   | 50.00                       |                         | 07/08/87    | 57.00  | 07/08/87    | 72.00  | 07/07/87    |       |
|                  |       |                             |                         | 08/11/87    |        | 08/12/87    | 95.00  | 08/10/87    |       |
|                  |       |                             |                         | 09/21/87    |        | 09/22/87    | 120.00 | 09/15/87    |       |
|                  |       |                             |                         | 12/17/87    |        | 12/18/87    | 52.00  | 10/14/87    |       |
|                  |       |                             |                         |             |        |             | NR     |             | NR    |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 07/08/87    |        | 07/08/87    |        | 07/07/87    |       |
|                  |       |                             |                         | 08/11/87    | 5.00   | 08/12/87    |        | 08/10/87    |       |
|                  |       |                             |                         | 09/21/87    | 5.00   | 09/22/87    |        | 09/15/87    |       |
|                  |       |                             |                         | 12/17/87    | 5.00   | 12/18/87    |        | 10/14/87    |       |
|                  |       |                             |                         |             |        |             |        |             |       |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 07/08/87    | 59.00  | 07/08/87    | 51.00  | 07/07/87    | 39.00 |
|                  |       |                             |                         | 08/11/87    | 57.00  | 08/12/87    | 52.00  | 08/10/87    | 37.00 |
|                  |       |                             |                         | 09/21/87    | 87.00  | 09/22/87    | 59.00  | 09/15/87    | 40.00 |
|                  |       |                             |                         | 12/17/87    | 89.00  | 12/18/87    | 51.00  | 10/14/87    | 35.00 |
|                  |       |                             |                         |             |        |             |        |             |       |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/08/87    | 11.70  | 07/08/87    | 12.70  | 07/07/87    | 6.14  |
|                  |       |                             |                         | {           | 4.48}  | {           | 4.77}  | {           | 3.21} |
|                  |       |                             |                         | 08/11/87    | 18.40  | 08/12/87    | 28.30  | 08/10/87    |       |
|                  |       |                             |                         | {           | 4.00}  | {           | 5.76}  |             |       |
|                  |       |                             |                         | 09/21/87    | 7.74   | 09/22/87    | 0.04   | 09/15/87    | 8.32  |
| {                | 3.07} | {                           | 4.23}                   | {           | 4.05}  |             |        |             |       |
|                  |       |                             |                         | 12/17/87    | 8.59   | 12/18/87    | 10.10  | 10/14/87    | 10.20 |
|                  |       |                             |                         | {           | 4.01}  | {           | 4.27}  | {           | 4.11} |
|                  |       |                             |                         |             | NR     |             | NR     | 10/14/87    | 8.15  |
|                  |       |                             |                         |             |        |             |        | {           | 3.98} |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 07/08/87    |        | 07/08/87    |        | 07/07/87    |       |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.223

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-5      |          |  | 1-H4-6      |          |  | 1-H4-7      |          |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|--|-------------|----------|--|
|                  |       |                             |                         | SAMPLE DATE |          |  | SAMPLE DATE |          |  | SAMPLE DATE |          |  |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 08/11/87    |          |  | 08/12/87    | 2.00     |  | 08/10/87    |          |  |
|                  |       |                             |                         | 09/21/87    |          |  | 09/22/87    |          |  | 09/15/87    |          |  |
|                  |       |                             |                         | 12/17/87    |          |  | 12/18/87    |          |  | 10/14/87    |          |  |
| CALCIUM          | PPB   | 50.00                       |                         | 07/08/87    | 59200.00 |  | 07/08/87    | 89200.00 |  | 07/07/87    | 85100.00 |  |
|                  |       |                             |                         | 08/11/87    | 53000.00 |  | 08/12/87    | 53800.00 |  | 08/10/87    | 47200.00 |  |
|                  |       |                             |                         | 09/21/87    | 63300.00 |  | 09/22/87    | 60000.00 |  | 09/15/87    | 55800.00 |  |
|                  |       |                             |                         | 12/17/87    | 75600.00 |  | 12/18/87    | 71000.00 |  | 10/14/87    | 54300.00 |  |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/08/87    | 21.40    |  | 07/08/87    |          |  | 07/07/87    | 19.00    |  |
|                  |       |                             |                         | 08/11/87    | 17.00    |  | 08/12/87    |          |  | 08/10/87    | 21.00    |  |
|                  |       |                             |                         | 09/21/87    | 14.00    |  | 09/22/87    |          |  | 09/15/87    | 18.00    |  |
|                  |       |                             |                         | 12/17/87    | 15.00    |  | 12/18/87    |          |  | 10/14/87    | 17.00    |  |
|                  |       |                             |                         |             | NR       |  |             | NR       |  | 10/14/87    | 17.00    |  |
| CHLORID          | PPB   | 500.00                      |                         | 07/08/87    | 7040.00  |  | 07/08/87    | 15200.00 |  | 07/07/87    | 9000.00  |  |
|                  |       |                             |                         | 08/11/87    | 7380.00  |  | 08/12/87    | 15600.00 |  | 08/10/87    | 8200.00  |  |
|                  |       |                             |                         | 09/21/87    | 7750.00  |  | 09/22/87    | 15800.00 |  | 09/15/87    | 8800.00  |  |
|                  |       |                             |                         | 12/17/87    | 7550.00  |  | 12/18/87    | 14600.00 |  | 10/14/87    | 9170.00  |  |
|                  |       |                             |                         |             | NR       |  |             | NR       |  | 10/14/87    | 9270.00  |  |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 07/08/87    | 158.00 * |  | 07/08/87    | 82.00 *  |  | 07/07/87    | 124.00 * |  |
|                  |       |                             |                         | 08/11/87    | 145.00 * |  | 08/12/87    | 65.00 *  |  | 08/10/87    | 116.00 * |  |
|                  |       |                             |                         | 09/21/87    | 133.00 * |  | 09/22/87    | 65.00 *  |  | 09/15/87    | 112.00 * |  |
|                  |       |                             |                         | 12/17/87    | 183.00 * |  | 12/18/87    | 79.00 *  |  | 10/14/87    | 117.00 * |  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/10/87    | 5.33     |  | 07/10/87    | -        |  |             | NR       |  |
|                  |       |                             |                         | 10/20/87    | { 4.77 } |  | 10/20/87    |          |  |             | NR       |  |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/08/87    |          |  | 07/08/87    |          |  | 07/07/87    | 16.00 *  |  |
|                  |       |                             |                         | 08/11/87    |          |  | 08/12/87    |          |  | 08/10/87    | 16.00 *  |  |
|                  |       |                             |                         | 09/21/87    |          |  | 09/22/87    |          |  | 09/15/87    |          |  |
|                  |       |                             |                         | 12/17/87    |          |  | 12/18/87    |          |  | 10/14/87    | 5.10 *   |  |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/08/87    | 375.00   |  | 07/08/87    | 472.00   |  | 07/07/87    | 405.00   |  |
|                  |       |                             |                         | 08/11/87    | 401.00   |  | 08/12/87    | 544.00   |  | 08/10/87    | 320.00   |  |
|                  |       |                             |                         | 09/21/87    | 380.00   |  | 09/22/87    | 541.00   |  | 09/15/87    | 423.00   |  |
|                  |       |                             |                         | 12/17/87    | 475.00   |  | 12/18/87    | 511.00   |  | 10/14/87    | 505.00   |  |

C.224

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-5   | SAMPLE DATE | 1-H4-6   | SAMPLE DATE | 1-H4-7   |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/08/87    |          | 07/08/87    |          | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    |          | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    |          | 09/22/87    |          | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | 20.00    | 12/18/87    | 11.00    | 10/14/87    |          |
| FARSENI          | PPB   | 6.00                        | 50.00                   | 07/08/87    |          | 07/08/87    |          | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    | 7.00     | 08/12/87    |          | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    | 5.00     | 09/22/87    |          | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | 5.00     | 12/18/87    |          | 10/14/87    |          |
|                  |       |                             |                         | NR          |          | NR          |          | 10/14/87    |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/08/87    | 63.00    | 07/08/87    | 47.00    | 07/07/87    | 39.00    |
|                  |       |                             |                         | 08/11/87    | 61.00    | 08/12/87    | 48.00    | 08/10/87    | 40.00    |
|                  |       |                             |                         | 09/21/87    | 65.00    | 09/22/87    | 47.00    | 09/15/87    | 31.00    |
|                  |       |                             |                         | 12/17/87    | 68.00    | 12/18/87    | 50.00    | 10/14/87    | 38.00    |
|                  |       |                             |                         | NR          |          | NR          |          | 10/14/87    | 41.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 07/08/87    | 66300.00 | 07/08/87    | 64100.00 | 07/07/87    | 66700.00 |
|                  |       |                             |                         | 08/11/87    | 57700.00 | 08/12/87    | 57700.00 | 08/10/87    | 49000.00 |
|                  |       |                             |                         | 09/21/87    | 70500.00 | 09/22/87    | 67500.00 | 09/15/87    | 57100.00 |
|                  |       |                             |                         | 12/17/87    | 73300.00 | 12/18/87    | 72100.00 | 10/14/87    | 57400.00 |
|                  |       |                             |                         | NR          |          | NR          |          | 10/14/87    | 83500.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/08/87    | 164.00 * | 07/08/87    | 41.00    | 07/07/87    | 116.00 * |
|                  |       |                             |                         | 08/11/87    | 168.00 * | 08/12/87    | 55.00 *  | 08/10/87    | 125.00 * |
|                  |       |                             |                         | 09/21/87    | 148.00 * | 09/22/87    | 52.00 *  | 09/15/87    | 118.00 * |
|                  |       |                             |                         | 12/17/87    | 142.00 * | 12/18/87    | 89.00 *  | 10/14/87    | 123.00 * |
|                  |       |                             |                         | NR          |          | NR          |          | 10/14/87    | 128.00 * |
| FIRON            | PPB   | 50.00                       |                         | 07/08/87    |          | 07/08/87    | 55.00    | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    | 50.00    | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    | 169.00   | 09/22/87    |          | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    |          | 12/18/87    |          | 10/14/87    |          |
|                  |       |                             |                         | NR          |          | NR          |          | 10/14/87    |          |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 07/08/87    |          | 07/08/87    |          | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    |          | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    |          | 09/22/87    |          | 09/15/87    |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | 1-H4-7               |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------------------|----------|
|                  |       |                             |                         |             | 1-H4-5      | 1-H4-6   |             |                      |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/17/87    | NR          | 12/18/87 | 594.00      | 10/14/87<br>10/14/87 |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/08/87    | 11500.00    | 07/08/87 | 14600.00    | 07/07/87             | 13100.00 |
|                  |       |                             |                         | 08/11/87    | 11500.00    | 08/12/87 | 15000.00    | 08/10/87             | 11700.00 |
|                  |       |                             |                         | 09/21/87    | 11300.00    | 09/22/87 | 14200.00    | 09/15/87             | 11100.00 |
|                  |       |                             |                         | 12/17/87    | 12000.00    | 12/18/87 | 15700.00    | 10/14/87             | 12700.00 |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             | 13200.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 07/08/87    |             | 07/08/87 | 54.00       | 07/07/87             |          |
|                  |       |                             |                         | 08/11/87    |             | 08/12/87 | 72.00       | 08/10/87             |          |
|                  |       |                             |                         | 09/21/87    |             | 09/22/87 | 76.00       | 09/15/87             |          |
|                  |       |                             |                         | 12/17/87    |             | 12/18/87 | 53.00       | 10/14/87             |          |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/08/87    | 5620.00     | 07/08/87 | 6650.00     | 07/07/87             | 6070.00  |
|                  |       |                             |                         | 08/11/87    | 4890.00     | 08/12/87 | 6450.00     | 08/10/87             | 5300.00  |
|                  |       |                             |                         | 09/21/87    | 5090.00     | 09/22/87 | 6530.00     | 09/15/87             | 5220.00  |
|                  |       |                             |                         | 12/17/87    | 4870.00     | 12/18/87 | 6140.00     | 10/14/87             | 6100.00  |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             | 6070.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 07/08/87    | 12900.00    | 07/08/87 | 25200.00    | 07/07/87             | 13800.00 |
|                  |       |                             |                         | 08/11/87    | 11300.00    | 08/12/87 | 24100.00    | 08/10/87             | 11900.00 |
|                  |       |                             |                         | 09/21/87    | 11800.00    | 09/22/87 | 24300.00    | 09/15/87             | 12000.00 |
|                  |       |                             |                         | 12/17/87    | 12000.00    | 12/18/87 | 25200.00    | 10/14/87             | 13000.00 |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             | 12800.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 07/08/87    | 309.00      | 07/08/87 | 343.00      | 07/07/87             | 320.00   |
|                  |       |                             |                         | 08/11/87    | 301.00      | 08/12/87 | 351.00      | 08/10/87             |          |
|                  |       |                             |                         | 09/21/87    | 320.00      | 09/22/87 | 355.00      | 09/15/87             |          |
|                  |       |                             |                         | 12/17/87    | 325.00      | 12/18/87 | 373.00      | 10/14/87             | 361.00   |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             | 323.00   |
| FVANADI          | PPB   | 5.00                        |                         | 07/08/87    | 8.00        | 07/08/87 | 6.00        | 07/07/87             | 0.00     |
|                  |       |                             |                         | 08/11/87    |             | 08/12/87 |             | 08/10/87             | 0.00     |
|                  |       |                             |                         | 09/21/87    | 6.00        | 09/22/87 | 7.00        | 09/15/87             | 0.00     |
|                  |       |                             |                         | 12/17/87    | 8.00        | 12/18/87 | 7.00        | 10/14/87             | 5.00     |
|                  |       |                             |                         | NR          |             |          | NR          | 10/14/87             | 6.00     |
| FZINC            | PPB   | 5.00                        |                         | 07/08/87    | 52.00       | 07/08/87 | 124.00      | 07/07/87             | 16.00    |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-5      | 1-H4-6   | 1-H4-6      | 1-H4-7   |             |          |
| FZINC            | PPB   | 5.00                        |                         | 08/11/87    | 55.00    | 08/12/87    | 148.00   | 08/10/87    | 9.00     |
|                  |       |                             |                         | 09/21/87    | 63.00    | 09/22/87    | 168.00   | 09/15/87    | 9.00     |
|                  |       |                             |                         | 12/17/87    | 109.00   | 12/18/87    | 145.00   | 10/14/87    | 5.00     |
|                  |       |                             |                         |             | NR       |             | NR       | 10/14/87    | 7.00     |
| IRON             | PPB   | 50.00                       |                         | 07/08/87    | 89.00    | 07/08/87    | 298.00   | 07/07/87    | 188.00   |
|                  |       |                             |                         | 08/11/87    | 80.00    | 08/12/87    | 315.00   | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    | 75.00    | 09/22/87    | 331.00   | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | 4450.00  | 12/18/87    | 620.00   | 10/14/87    |          |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 07/08/87    |          | 07/08/87    |          | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    |          | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    |          | 09/22/87    |          | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | 88.00 *  | 12/18/87    |          | 10/14/87    |          |
| MAGNES           | PPB   | 0.00                        |                         | 07/08/87    | 10800.00 | 07/08/87    | 15400.00 | 07/07/87    | 12700.00 |
|                  |       |                             |                         | 08/11/87    | 11100.00 | 08/12/87    | 14300.00 | 08/10/87    | 11200.00 |
|                  |       |                             |                         | 09/21/87    | 10900.00 | 09/22/87    | 14500.00 | 09/15/87    | 10800.00 |
|                  |       |                             |                         | 12/17/87    | 12000.00 | 12/18/87    | 14900.00 | 10/14/87    | 11800.00 |
| MANGESE          | PPB   | 5.00                        |                         | 07/08/87    |          | 07/08/87    | 77.00    | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    | 90.00    | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    |          | 09/22/87    | 112.00   | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | 30.00    | 12/18/87    | 102.00   | 10/14/87    |          |
| METHYCH          | PPB   | 10.00                       |                         | 07/08/87    |          | 07/08/87    |          | 07/07/87    |          |
|                  |       |                             |                         | 08/11/87    |          | 08/12/87    |          | 08/10/87    |          |
|                  |       |                             |                         | 09/21/87    | 920.00   | 09/22/87    | 96.00    | 09/15/87    |          |
|                  |       |                             |                         | 12/17/87    | NR       | 12/18/87    | NR       | 10/14/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/08/87    | 29500.00 | 07/08/87    | 38200.00 | 07/07/87    | 29800.00 |
|                  |       |                             |                         | 08/11/87    | 36800.00 | 08/12/87    | 38400.00 | 08/10/87    | 29500.00 |
|                  |       |                             |                         | 09/21/87    | 39900.00 | 09/22/87    | 40700.00 | 09/15/87    | 29700.00 |
|                  |       |                             |                         | 12/17/87    | 36200.00 | 12/18/87    | 38000.00 | 10/14/87    | 31200.00 |
|                  | NR    |                             | NR                      | 10/14/87    | 31200.00 |             |          |             |          |
| PH-LAB           |       | 0.01                        |                         | 12/17/87    | 7.08     | 12/18/87    | 7.09     | 10/14/87    | 7.70     |
| PHFIELD          |       | 0.10                        |                         | 07/08/87    | 7.20     | 07/08/87    | 7.20     | 07/07/87    | 6.90     |

C.227

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-S      | SAMPLE DATE | 1-H4-S      | SAMPLE DATE | 1-H4-7      |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | -----       | -----       | -----       | -----       | -----       | -----       |
| PHFIELD          |       | 0.10                        |                         | 08/11/87    | 6.00        | 08/12/87    | 7.80        | 08/10/87    | 7.10        |
|                  |       |                             |                         | 09/21/87    | 7.10        | 09/22/87    | 7.30        | 09/15/87    | 7.50        |
|                  |       |                             |                         | 12/17/87    | 7.00        | 12/18/87    | 7.20        | 10/14/87    | 8.00        |
| POTASUM          | PPB   | 100.00                      |                         | 07/08/87    | 4890.00     | 07/08/87    | 7200.00     | 07/07/87    | 5770.00     |
|                  |       |                             |                         | 08/11/87    | 4790.00     | 08/12/87    | 6200.00     | 08/10/87    | 5190.00     |
|                  |       |                             |                         | 09/21/87    | 4780.00     | 09/22/87    | 6570.00     | 09/15/87    | 4910.00     |
|                  |       |                             |                         | 12/17/87    | 4600.00     | 12/18/87    | 6070.00     | 10/14/87    | 5000.00     |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/08/87    |             | 07/08/87    |             | 07/07/87    | 0.20        |
|                  |       |                             |                         | 08/11/87    |             | 08/12/87    |             | 08/10/87    | { 0.20 }    |
|                  |       |                             |                         | 09/21/87    |             | 09/22/87    |             | 09/15/87    | { 0.10 }    |
|                  |       |                             |                         | 12/17/87    |             | 12/18/87    |             | 10/14/87    |             |
| SODIUM           | PPB   | 100.00                      |                         | 07/08/87    | 11300.00    | 07/08/87    | 27700.00    | 07/07/87    | 13300.00    |
|                  |       |                             |                         | 08/11/87    | 11300.00    | 08/12/87    | 23500.00    | 08/10/87    | 11600.00    |
|                  |       |                             |                         | 09/21/87    | 11000.00    | 09/22/87    | 24400.00    | 09/15/87    | 10200.00    |
|                  |       |                             |                         | 12/17/87    | 11000.00    | 12/18/87    | 24400.00    | 10/14/87    | 10400.00    |
| STRONUM          | PPB   | 300.00                      |                         | 07/08/87    |             | 07/08/87    | 367.00      | 07/07/87    | 312.00      |
|                  |       |                             |                         | 08/11/87    |             | 08/12/87    | 339.00      | 08/10/87    |             |
|                  |       |                             |                         | 09/21/87    | 300.00      | 09/22/87    | 377.00      | 09/15/87    |             |
|                  |       |                             |                         | 12/17/87    | 330.00      | 12/18/87    | 364.00      | 10/14/87    |             |
| SULFATE          | PPB   | 500.00                      |                         | 07/08/87    | 83300.00    | 07/08/87    | 105000.00   | 07/07/87    | 84900.00    |
|                  |       |                             |                         | 08/11/87    | 84900.00    | 08/12/87    | 95100.00    | 08/10/87    | 64000.00    |
|                  |       |                             |                         | 09/21/87    | 86900.00    | 09/22/87    | 95400.00    | 09/15/87    | 89400.00    |
|                  |       |                             |                         | 12/17/87    | 84900.00    | 12/18/87    | 90200.00    | 10/14/87    | 72400.00    |
|                  |       |                             | NR                      |             | NR          | 10/14/87    | 72300.00    |             |             |
| TC               | PPB   |                             |                         | 12/17/87    | 33900.00 0  | 12/18/87    | 32900.00 0  | 10/14/87    | 30500.00 0  |
| TDS              |       |                             |                         | 12/17/87    | 299000.00 0 | 12/18/87    | 377000.00 0 | 10/14/87    | 294000.00 0 |
| TOC              | PPB   | 1000.00                     |                         | 07/08/87    | 1000.00     | 07/08/87    | 1210.00     | 07/07/87    |             |
|                  |       |                             |                         | 08/11/87    |             | 08/12/87    | 1050.00     | 08/10/87    | 1220.00     |
|                  |       |                             |                         | 09/21/87    | 1020.00     | 09/22/87    | 1070.00     | 09/15/87    |             |

C.228

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                                  | 1-H4-5   |        | SAMPLE DATE                                  | 1-H4-6   |  | SAMPLE DATE                                  | 1-H4-7                          |          |
|------------------|-------|-----------------------------|-------------------------|--|--|--------|--|--|--|--|---------------------------------|----------|
|                  |       |                             |                         |  |  |        |  |  |  |  |                                 |          |
| TDC              | PPB   | 1000.00                     |                         | 12/17/87                                     |  |        | 12/18/87                                     |  |  | 10/14/87                                     | 1090.00                         |          |
| TDX              | PPB   | 100.00                      |                         | 07/08/87<br>08/11/87<br>09/21/87<br>12/17/87 |  | 835.00 | 07/08/87<br>08/12/87<br>09/22/87<br>12/18/87 |  |  | 07/07/87<br>08/10/87<br>09/16/87<br>10/14/87 |                                 |          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/10/87<br>10/20/87                         | 1370.00<br>{ 198.00 }<br>1890.00<br>{ 257.00 } |        | 07/10/87<br>10/20/87                         | 4040.00<br>{ 269.00 }<br>5470.00<br>{ 345.00 } |  |  |                                 | NR<br>NR |
| U                | PCI/L | 0.50                        | 000.00                  | 07/10/87<br>10/20/87                         | 1.95<br>2.31                                   |        | 07/10/87<br>10/20/87                         | 3.39<br>3.59                                   |  |  |                                 | NR<br>NR |
| VANADUM          | PPB   | 5.00                        |                         | 07/08/87<br>08/11/87<br>09/21/87<br>12/17/87 | 10.00<br>9.00                                  |        | 07/08/87<br>08/12/87<br>09/22/87<br>12/18/87 | 0.00<br>0.00                                   |  | 07/07/87<br>08/10/87<br>09/16/87<br>10/14/87 | 9.00<br>10.00<br>9.00<br>9.00   |          |
| ZINC             | PPB   | 5.00                        |                         | 07/08/87<br>08/11/87<br>09/21/87<br>12/17/87 | 57.00<br>63.00<br>50.00<br>2400.00             |        | 07/08/87<br>08/12/87<br>09/22/87<br>12/18/87 | 170.00<br>189.00<br>157.00<br>209.00           |  | 07/07/87<br>08/10/87<br>09/16/87<br>10/14/87 | 20.00<br>10.00<br>9.00<br>11.00 |          |

C.229

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-8   |  | SAMPLE DATE | 1-H4-9   |          | SAMPLE DATE | 1-H4-10 |  |          |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|----------|-------------|---------|--|----------|
|                  |          |                             |                         |             |          |  |             |          |          |             |         |  |          |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/07/87    | 3.85     |  | 07/07/87    | 6.20     |          | 07/07/87    | 1.51    |  |          |
|                  |          |                             |                         |             | { 1.93 } |  | { 2.25 }    |          | { 1.20 } |             |         |  |          |
|                  |          |                             |                         | 08/10/87    | 3.03     |  | 08/10/87    | 7.74     |          | 08/07/87    | 2.22    |  | { 2.20 } |
|                  |          |                             |                         |             | { 1.00 } |  | { 3.85 }    |          | { 1.20 } |             |         |  |          |
|                  |          |                             |                         | 09/18/87    | 2.95     |  | 09/15/87    | 10.30    |          | 09/18/87    | 3.07    |  | { 1.52 } |
|                  |          |                             |                         |             | { 1.54 } |  | { 3.19 }    |          | { 1.52 } |             |         |  |          |
|                  |          |                             |                         | 10/14/87    | 2.98     |  | 10/05/87    | 6.64     |          | 10/05/87    | 2.24    |  | { 1.20 } |
|                  |          |                             |                         |             | { 1.55 } |  | { 2.39 }    |          | { 1.20 } |             |         |  |          |
|                  |          |                             |                         |             | NR       |  | 12/28/87    | 7.57     |          |             | NR      |  |          |
|                  |          |                             |                         |             | NR       |  | 12/28/87    | { 3.00 } |          |             | NR      |  |          |
|                  |          |                             |                         | 6.11        |          |  |             |          |          |             |         |  |          |
|                  |          |                             |                         | { 3.01 }    |          |  |             |          |          |             |         |  |          |
| AMMONIU          | PPB      | 50.00                       |                         | 07/07/87    |          |  | 07/07/87    |          |          | 07/07/87    |         |  |          |
|                  |          |                             |                         | 08/10/87    |          |  | 08/10/87    |          |          | 08/07/87    |         |  |          |
|                  |          |                             |                         | 09/18/87    | 62.00    |  | 09/15/87    |          |          | 09/18/87    | 54.00   |  |          |
|                  |          |                             |                         |             |          |  | 10/05/87    |          |          | 10/05/87    |         |  |          |
|                  |          |                             |                         | 10/14/87    |          |  | 12/28/87    |          |          |             |         |  |          |
|                  |          |                             |                         |             | NR       |  | 12/28/87    |          |          |             | NR      |  |          |
| ARSENIC          | PPB      | 5.00                        | 50.00                   | 07/07/87    |          |  | 07/07/87    |          |          | 07/07/87    |         |  |          |
|                  |          |                             |                         | 08/10/87    |          |  | 08/10/87    | 5.00     |          | 08/07/87    |         |  |          |
|                  |          |                             |                         | 09/18/87    |          |  | 09/15/87    |          |          | 09/18/87    |         |  |          |
|                  |          |                             |                         |             |          |  | 10/05/87    | 6.00     |          | 10/05/87    |         |  |          |
|                  |          |                             |                         | 10/14/87    |          |  | 12/28/87    | 8.00     |          |             |         |  |          |
|                  |          |                             |                         |             | NR       |  |             |          |          |             | NR      |  |          |
| BARIUM           | PPB      | 8.00                        | 1000.00                 | 07/07/87    | 47.00    |  | 07/07/87    | 81.00    |          | 07/07/87    | 72.00   |  |          |
|                  |          |                             |                         | 08/10/87    | 43.00    |  | 08/10/87    | 83.00    |          | 08/07/87    | 65.00   |  |          |
|                  |          |                             |                         | 09/18/87    | 48.00    |  | 09/15/87    | 69.00    |          | 09/18/87    | 71.00   |  |          |
|                  |          |                             |                         |             |          |  | 10/05/87    | 63.00    |          | 10/05/87    | 73.00   |  |          |
|                  |          |                             |                         | 10/14/87    | 46.00    |  | 12/28/87    | 82.00    |          |             |         |  |          |
|                  |          |                             |                         |             | NR       |  |             |          |          |             | NR      |  |          |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/07/87    | 7.24     |  | 07/07/87    | 181.00 + |          | 07/07/87    | 6.36    |  |          |
|                  |          |                             |                         |             | { 4.23 } |  | { 13.90 }   |          | { 3.83 } |             |         |  |          |
|                  |          |                             |                         | 08/10/87    | 8.47     |  | 08/10/87    | 305.00 + |          | 08/07/87    | 8.17    |  |          |
|                  |          |                             |                         |             | { 4.00 } |  | { 17.40 }   |          | { 3.02 } |             |         |  |          |
|                  |          |                             |                         | 09/18/87    | 8.46     |  | 09/15/87    | 78.00 +  |          | 09/18/87    | 8.07    |  |          |
|                  | { 4.12 } |                             | { 8.70 }                |             | { 3.92 } |  |             |          |          |             |         |  |          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.230

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |           | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-----------|-------------|----------|
|                  |       |                             |                         | 1-H4-8      |          | 1-H4-9      |           | 1-H4-10     |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 10/14/87    | 8.87     | 10/06/87    | 64.90 *   | 10/05/87    | 6.23     |
|                  |       |                             |                         |             | { 3.99 } |             | { 8.10 }  |             | { 3.02 } |
|                  |       |                             |                         |             | NR       | 12/28/87    | 164.00 *  |             | NR       |
|                  |       |                             |                         |             | NR       | 12/28/87    | { 12.00 } |             | NR       |
|                  |       |                             |                         |             |          | { 120.00 *  |           |             |          |
|                  |       |                             |                         |             |          | { 10.30 }   |           |             |          |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 07/07/87    |          | 07/07/87    | 2.00      | 07/07/87    |          |
|                  |       |                             |                         | 08/10/87    |          | 08/10/87    |           | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/15/87    |           | 09/18/87    |          |
|                  |       |                             |                         | 10/14/87    |          | 10/06/87    |           | 10/05/87    |          |
|                  |       |                             |                         |             | NR       | 12/28/87    |           |             | NR       |
| CALCIUM          | PPB   | 50.00                       |                         | 07/07/87    | 70300.00 | 07/07/87    | 108000.00 | 07/07/87    | 43000.00 |
|                  |       |                             |                         | 08/10/87    | 56300.00 | 08/10/87    | 85400.00  | 08/07/87    | 36700.00 |
|                  |       |                             |                         | 09/18/87    | 65500.00 | 09/15/87    | 85000.00  | 09/18/87    | 44100.00 |
|                  |       |                             |                         | 10/14/87    | 62600.00 | 10/06/87    | 85600.00  | 10/05/87    | 43300.00 |
|                  |       |                             |                         |             | NR       | 12/28/87    | 113000.00 |             | NR       |
| CHLDRM           | PPB   | 10.00                       | 100.00                  | 07/07/87    | 10.00    | 07/07/87    | 10.00     | 07/07/87    |          |
|                  |       |                             |                         | 08/10/87    | 15.00    | 08/10/87    | 10.00     | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 13.00    | 09/15/87    | 12.00     | 09/18/87    |          |
|                  |       |                             |                         | 10/14/87    | 13.00    | 10/06/87    | 13.00     | 10/05/87    |          |
|                  |       |                             |                         |             | NR       | 12/28/87    | 12.00     |             | NR       |
|                  |       |                             | NR                      | 12/28/87    | 14.00    |             | NR        |             |          |
| CHLORID          | PPB   | 500.00                      |                         | 07/07/87    | 8780.00  | 07/07/87    | 9320.00   | 07/07/87    | 5640.00  |
|                  |       |                             |                         | 08/10/87    | 9010.00  | 08/10/87    | 10600.00  | 08/07/87    | 5810.00  |
|                  |       |                             |                         | 09/18/87    | 9880.00  | 09/15/87    | 9340.00   | 09/18/87    | 6320.00  |
|                  |       |                             |                         | 10/14/87    | 9970.00  | 10/06/87    | 8970.00   | 10/05/87    | 6750.00  |
|                  |       |                             |                         |             | NR       | 12/28/87    | 10700.00  |             | NR       |
|                  |       |                             | NR                      | 12/28/87    | 10800.00 |             | NR        |             |          |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 07/07/87    | 124.00 * | 07/07/87    | 130.00 *  | 07/07/87    | 77.00 *  |
|                  |       |                             |                         | 08/10/87    | 95.00 *  | 08/10/87    | 100.00 *  | 08/07/87    | 76.00 *  |
|                  |       |                             |                         | 09/18/87    | 101.00 * | 09/15/87    | 120.00 *  | 09/18/87    | 87.00 *  |
|                  |       |                             |                         | 10/14/87    | 100.00 * | 10/06/87    | 141.00 *  | 10/05/87    | 90.00 *  |
|                  |       |                             |                         |             | NR       | 12/28/87    | 119.00 *  |             | NR       |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/07/87    |          | 07/07/87    |           | 07/07/87    |          |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.231

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-8      |             | 1-H4-9      |             | 1-H4-10  |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|----------|----------|
|                  |       |                             |                         | SAMPLE DATE | SAMPLE DATE | SAMPLE DATE | SAMPLE DATE |          |          |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 08/10/87    | 16.00 *     | 08/10/87    |             | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    |             | 09/15/87    |             | 09/18/87 |          |
|                  |       |                             |                         | 10/14/87    |             | 10/08/87    |             | 10/05/87 |          |
|                  |       |                             |                         |             | NR          | 12/28/87    |             |          | NR       |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/07/87    | 414.00      | 07/07/87    | 712.00      | 07/07/87 | 294.00   |
|                  |       |                             |                         | 08/10/87    | 350.00      | 08/10/87    | 749.00      | 08/07/87 | 235.00   |
|                  |       |                             |                         | 09/18/87    | 450.00      | 09/15/87    | 620.00      | 09/18/87 | 367.00   |
|                  |       |                             |                         | 10/14/87    | 529.00      | 10/08/87    | 605.00      | 10/05/87 | 310.00   |
|                  |       | NR                          |                         | 12/28/87    | 790.00      |             | NR          |          |          |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/07/87    |             | 07/07/87    |             | 07/07/87 | 10.00    |
|                  |       |                             |                         | 08/10/87    | 13.00       | 08/10/87    |             | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    |             | 09/15/87    |             | 09/18/87 | 11.00    |
|                  |       |                             |                         | 10/14/87    | 10.00       | 10/08/87    |             | 10/05/87 |          |
|                  |       | NR                          |                         | 12/28/87    |             |             | NR          |          |          |
| FARSEMI          | PPB   | 5.00                        | 50.00                   | 07/07/87    |             | 07/07/87    |             | 07/07/87 |          |
|                  |       |                             |                         | 08/10/87    |             | 08/10/87    |             | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    | 5.00        | 09/15/87    |             | 09/18/87 |          |
|                  |       |                             |                         | 10/14/87    |             | 10/08/87    | 7.00        | 10/05/87 |          |
|                  |       | NR                          |                         | 12/28/87    | 7.00        |             | NR          |          |          |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 07/07/87    | 42.00       | 07/07/87    | 82.00       | 07/07/87 | 60.00    |
|                  |       |                             |                         | 08/10/87    | 40.00       | 08/10/87    | 87.00       | 08/07/87 | 71.00    |
|                  |       |                             |                         | 09/18/87    | 44.00       | 09/15/87    | 59.00       | 09/18/87 | 70.00    |
|                  |       |                             |                         | 10/14/87    | 49.00       | 10/08/87    | 60.00       | 10/05/87 | 77.00    |
|                  |       | NR                          |                         | 12/28/87    | 87.00       |             | NR          |          |          |
|                  |       | NR                          |                         | 12/28/87    | 84.00       |             | NR          |          |          |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 07/07/87    |             | 07/07/87    |             | 07/07/87 |          |
|                  |       |                             |                         | 08/10/87    |             | 08/10/87    |             | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    |             | 09/15/87    |             | 09/18/87 |          |
|                  |       |                             |                         | 10/14/87    |             | 10/08/87    |             | 10/05/87 |          |
|                  |       | NR                          |                         | 12/28/87    | 2.00        |             | NR          |          |          |
|                  |       | NR                          |                         | 12/28/87    |             |             | NR          |          |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/07/87    | 84700.00    | 07/07/87    | 113000.00   | 07/07/87 | 39200.00 |
|                  |       |                             |                         | 08/10/87    | 57100.00    | 08/10/87    | 91400.00    | 08/07/87 | 36200.00 |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-8   |    | SAMPLE DATE | 1-H4-9    |          |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|----|-------------|-----------|----------|----------|
|                  |       |                             |                         |             |          |    |             |           |          |          |
| FCALCIU          | PPB   | 50.00                       |                         | 09/18/87    | 67000.00 |    | 09/15/87    | 83000.00  | 09/18/87 | 43300.00 |
|                  |       |                             |                         | 10/14/87    | 74100.00 |    | 10/06/87    | 80300.00  | 10/05/87 | 43400.00 |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 108000.00 |          | NR       |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 106000.00 |          | NR       |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/07/87    | 102.00 * |    | 07/07/87    | 119.00 *  | 07/07/87 | 65.00 *  |
|                  |       |                             |                         | 08/10/87    | 98.00 *  |    | 08/10/87    | 116.00 *  | 08/07/87 | 82.00 *  |
|                  |       |                             |                         | 09/18/87    | 97.00 *  |    | 09/15/87    | 120.00 *  | 09/18/87 | 91.00 *  |
|                  |       |                             |                         | 10/14/87    | 102.00 * |    | 10/06/87    | 133.00 *  | 10/05/87 | 92.00 *  |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 106.00 *  |          | NR       |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 106.00 *  |          | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/07/87    |          |    | 07/07/87    | 514.00    | 07/07/87 |          |
|                  |       |                             |                         | 08/10/87    |          |    | 08/10/87    |           | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    |          |    | 09/15/87    |           | 09/18/87 |          |
|                  |       |                             |                         | 10/14/87    |          |    | 10/06/87    |           | 10/05/87 |          |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 650.00    |          | NR       |
|                  | NR    |                             | 12/28/87                | 607.00      |          | NR |             |           |          |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/07/87    | 10900.00 |    | 07/07/87    | 21500.00  | 07/07/87 | 9300.00  |
|                  |       |                             |                         | 08/10/87    | 11700.00 |    | 08/10/87    | 21400.00  | 08/07/87 | 9900.00  |
|                  |       |                             |                         | 09/18/87    | 11000.00 |    | 09/15/87    | 14400.00  | 09/18/87 | 9710.00  |
|                  |       |                             |                         | 10/14/87    | 12400.00 |    | 10/06/87    | 13400.00  | 10/05/87 | 9800.00  |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 23100.00  |          | NR       |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 22100.00  |          | NR       |
| FWICKEL          | PPB   | 10.00                       |                         | 07/07/87    |          |    | 07/07/87    |           | 07/07/87 |          |
|                  |       |                             |                         | 08/10/87    |          |    | 08/10/87    |           | 08/07/87 |          |
|                  |       |                             |                         | 09/18/87    |          |    | 09/15/87    |           | 09/18/87 |          |
|                  |       |                             |                         | 10/14/87    |          |    | 10/06/87    |           | 10/05/87 |          |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 10.00     |          | NR       |
|                  | NR    |                             | 12/28/87                |             |          | NR |             |           |          |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/07/87    | 5060.00  |    | 07/07/87    | 7290.00   | 07/07/87 | 4410.00  |
|                  |       |                             |                         | 08/10/87    | 5090.00  |    | 08/10/87    | 6600.00   | 08/07/87 | 4300.00  |
|                  |       |                             |                         | 09/18/87    | 4900.00  |    | 09/15/87    | 5690.00   | 09/18/87 | 4370.00  |
|                  |       |                             |                         | 10/14/87    | 5690.00  |    | 10/06/87    | 5030.00   | 10/05/87 | 4310.00  |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 7170.00   |          | NR       |
|                  |       |                             |                         |             | NR       |    | 12/28/87    | 6750.00   |          | NR       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-8      | 1-H4-9   | 1-H4-8      | 1-H4-9   | 1-H4-8      | 1-H4-9   |
| FSODIUM          | PPB   | 100.00                      |                         | 07/07/87    | 13300.00 | 07/07/87    | 34100.00 | 07/07/87    | 14800.00 |
|                  |       |                             |                         | 08/10/87    | 13300.00 | 08/10/87    | 30200.00 | 08/07/87    | 14700.00 |
|                  |       |                             |                         | 09/18/87    | 12800.00 | 09/15/87    | 25700.00 | 09/18/87    | 14300.00 |
|                  |       |                             |                         | 10/14/87    | 14600.00 | 10/06/87    | 21700.00 | 10/05/87    | 14200.00 |
|                  |       |                             |                         |             | NR       | 12/28/87    | 39900.00 |             | NR       |
|                  |       |                             | NR                      | 12/28/87    | 37100.00 |             |          |             | NR       |
| FSTRONT          | PPB   | 300.00                      |                         | 07/07/87    |          | 07/07/87    | 522.00   | 07/07/87    |          |
|                  |       |                             |                         | 08/10/87    | 316.00   | 08/10/87    | 534.00   | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 315.00   | 09/15/87    | 392.00   | 09/18/87    |          |
|                  |       |                             |                         | 10/14/87    | 324.00   | 10/06/87    | 359.00   | 10/05/87    |          |
|                  |       |                             |                         |             | NR       | 12/28/87    | 538.00   |             |          |
|                  |       |                             | NR                      | 12/28/87    | 620.00   |             |          |             | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 07/07/87    | 6.00     | 07/07/87    |          | 07/07/87    | 8.00     |
|                  |       |                             |                         | 08/10/87    | 11.00    | 08/10/87    |          | 08/07/87    | 9.00     |
|                  |       |                             |                         | 09/18/87    | 10.00    | 09/15/87    | 7.00     | 09/18/87    | 9.00     |
|                  |       |                             |                         | 10/14/87    |          | 10/06/87    |          | 10/05/87    | 9.00     |
|                  |       |                             |                         |             | NR       | 12/28/87    |          |             |          |
|                  |       |                             | NR                      | 12/28/87    |          |             |          | NR          |          |
| FZINC            | PPB   | 5.00                        |                         | 07/07/87    |          | 07/07/87    |          | 07/07/87    | 6.00     |
|                  |       |                             |                         | 08/10/87    |          | 08/10/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 7.00     | 09/15/87    |          | 09/18/87    |          |
|                  |       |                             |                         | 10/14/87    |          | 10/06/87    | 10.00    | 10/05/87    | 100.00   |
|                  |       |                             |                         |             | NR       | 12/28/87    | 8.00     |             |          |
|                  |       |                             | NR                      | 12/28/87    | 6.00     |             |          | NR          |          |
| IRON             | PPB   | 50.00                       |                         | 07/07/87    | 100.00   | 07/07/87    | 103.00   | 07/07/87    | 74.00    |
|                  |       |                             |                         | 08/10/87    | 92.00    | 08/10/87    | 79.00    | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 86.00    | 09/15/87    |          | 09/18/87    |          |
|                  |       |                             |                         | 10/14/87    |          | 10/06/87    | 63.00    | 10/05/87    |          |
|                  |       |                             |                         |             | NR       | 12/28/87    | 216.00   |             |          |
| MAGNES           | PPB   | 0.00                        |                         | 07/07/87    | 11600.00 | 07/07/87    | 20200.00 | 07/07/87    | 10300.00 |
|                  |       |                             |                         | 08/10/87    | 11500.00 | 08/10/87    | 19300.00 | 08/07/87    | 9850.00  |
|                  |       |                             |                         | 09/18/87    | 10200.00 | 09/15/87    | 14400.00 | 09/18/87    | 9390.00  |
|                  |       |                             |                         | 10/14/87    | 11600.00 | 10/06/87    | 13900.00 | 10/05/87    | 9510.00  |
|                  |       |                             |                         |             |          |             |          |             |          |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                                  | 1-H4-8 |  | 1-H4-9 |  | SAMPLE DATE  | 1-H4-10 |  |  |          |  |
|------------------|-------|-----------------------------|-------------------------|--|--------|--|--------|--|--|---------|--|--|----------|--|
|                  |       |                             |                         |  |        |  |        |  |  |         |  |  |          |  |
| MAGNES           | PPB   | 0.00                        |                         |  |        | NR   |        | 12/20/87   | 21300.00   |         | NR   |  |          |  |
| MANGESE          | PPB   | 5.00                        |                         | 07/07/87<br>08/10/87<br>09/18/87<br>10/14/87 |        |  |        | 07/07/87<br>08/10/87<br>09/15/87<br>10/06/87<br>12/20/87             |  |         | 07/07/87<br>08/07/87<br>09/18/87<br>10/05/87 |  | NR       |  |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/07/87<br>08/10/87<br>09/18/87<br>10/14/87 |        | 31000.00<br>34700.00<br>35900.00<br>34500.00 |        | 07/07/87<br>08/10/87<br>09/15/87<br>10/06/87<br>12/20/87<br>12/20/87 | 202000.00 *<br>253000.00 *<br>119000.00 *<br>102000.00 *<br>198000.00 *<br>198000.00 * |         | 07/07/87<br>08/07/87<br>09/18/87<br>10/05/87 | 19000.00<br>20100.00<br>21800.00<br>21900.00 | NR<br>NR |  |
| PH-LAB           |       | 0.01                        |                         | 10/14/87                                     |        | 7.45<br>NR                                   |        | 10/06/87<br>12/20/87   | 7.37<br>7.50   |         | 10/05/87                                     | 7.10<br>NR                                   |          |  |
| PHFIELD          |       | 0.10                        |                         | 07/07/87<br>08/10/87<br>09/18/87<br>10/14/87 |        | 6.90<br>7.10<br>7.40<br>7.60                 |        | 07/07/87<br>08/10/87<br>09/15/87<br>10/06/87<br>12/20/87             | 6.70<br>7.40<br>7.60<br>7.90<br>8.00   |         | 07/07/87<br>08/07/87<br>09/18/87<br>10/05/87 | 6.50<br>6.90<br>7.30<br>7.00                 | NR       |  |
| PHOSPHA          | PPB   | 1000.00                     |                         | 07/07/87<br>08/10/87<br>09/18/87<br>10/14/87 |        |  |        | 07/07/87<br>08/10/87<br>09/15/87<br>10/06/87<br>12/20/87<br>12/20/87 |  |         | 07/07/87<br>08/07/87<br>09/18/87<br>10/05/87 |  | NR<br>NR |  |
| POTASUM          | PPB   | 100.00                      |                         | 07/07/87<br>08/10/87<br>09/18/87<br>10/14/87 |        | 5200.00<br>4920.00<br>4440.00<br>4670.00     |        | 07/07/87<br>08/10/87<br>09/15/87<br>10/06/87<br>12/20/87             | 8500.00<br>8140.00<br>5800.00<br>5200.00<br>8250.00                                    |         | 07/07/87<br>08/07/87<br>09/18/87<br>10/05/87 | 4800.00<br>4340.00<br>4110.00<br>4170.00     | NR       |  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/07/87<br>08/10/87                         |        |  |        | 07/07/87<br>08/10/87   |  |         | 07/07/87<br>08/07/87                         |  |          |  |

{ 0.25  
0.19}

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |                 | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-----------------|-------------|-------------|
|                  |       |                             |                         | 1-H4-8      | 1-H4-9      | 1-H4-9      | 1-H4-10         |             |             |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 09/10/87    |             | 09/15/87    |                 | 09/10/87    |             |
|                  |       |                             |                         | 10/14/87    | NR          | 10/08/87    | { 0.15<br>0.15} | 10/05/87    | NR          |
| SODIUM           | PPB   | 100.00                      |                         | 07/07/87    | 13800.00    | 07/07/87    | 31000.00        | 07/07/87    | 15000.00    |
|                  |       |                             |                         | 08/10/87    | 12900.00    | 08/10/87    | 27000.00        | 08/07/87    | 14700.00    |
|                  |       |                             |                         | 09/10/87    | 11100.00    | 09/15/87    | 24100.00        | 09/10/87    | 13200.00    |
|                  |       |                             |                         | 10/14/87    | 11600.00    | 10/08/87    | 22400.00        | 10/05/87    | 13200.00    |
|                  |       |                             |                         |             | NR          | 12/28/87    | 31800.00        |             | NR          |
| STRONUM          | PPB   | 300.00                      |                         | 07/07/87    | 321.00      | 07/07/87    | 490.00          | 07/07/87    |             |
|                  |       |                             |                         | 08/10/87    |             | 08/10/87    | 480.00          | 08/07/87    |             |
|                  |       |                             |                         | 09/10/87    |             | 09/15/87    | 305.00          | 09/10/87    |             |
|                  |       |                             |                         | 10/14/87    | 307.00      | 10/08/87    | 307.00          | 10/05/87    |             |
|                  |       |                             |                         |             | NR          | 12/28/87    | 514.00          |             | NR          |
| SULFATE          | PPB   | 500.00                      |                         | 07/07/87    | 65900.00    | 07/07/87    | 79000.00        | 07/07/87    | 37500.00    |
|                  |       |                             |                         | 08/10/87    | 71500.00    | 08/10/87    | 87200.00        | 08/07/87    | 42300.00    |
|                  |       |                             |                         | 09/10/87    | 74900.00    | 09/15/87    | 79200.00        | 09/10/87    | 40200.00    |
|                  |       |                             |                         | 10/14/87    | 75900.00    | 10/08/87    | 74600.00        | 10/05/87    | 45300.00    |
|                  |       |                             |                         |             | NR          | 12/28/87    | 85000.00        |             | NR          |
|                  |       |                             |                         |             | NR          | 12/28/87    | 86300.00        |             | NR          |
| TC               | PPB   |                             |                         | 10/14/87    | 32300.00 0  | 10/08/87    | 36000.00 0      | 10/05/87    | 30200.00 0  |
|                  |       |                             |                         |             | NR          | 12/28/87    | 36400.00 0      |             | NR          |
| TDS              |       |                             |                         | 10/14/87    | 307000.00 0 | 10/08/87    | 401000.00 0     | 10/05/87    | 229000.00 0 |
|                  |       |                             |                         |             | NR          | 12/28/87    | 564000.00 0     |             | NR          |
| TOC              | PPB   | 1000.00                     |                         | 07/07/87    | 1120.00     | 07/07/87    | 1000.00         | 07/07/87    |             |
|                  |       |                             |                         | 08/10/87    |             | 08/10/87    | 1020.00         | 08/07/87    |             |
|                  |       |                             |                         | 09/10/87    |             | 09/15/87    |                 | 09/10/87    |             |
|                  |       |                             |                         | 10/14/87    |             | 10/08/87    |                 | 10/05/87    |             |
|                  |       |                             |                         |             | NR          | 12/28/87    | 1040.00         |             | NR          |
| VANADIUM         | PPB   | 5.00                        |                         | 07/07/87    | 5.00        | 07/07/87    | 7.00            | 07/07/87    | 0.00        |
|                  |       |                             |                         | 08/10/87    | 10.00       | 08/10/87    | 6.00            | 08/07/87    | 10.00       |
|                  |       |                             |                         | 09/10/87    | 10.00       | 09/15/87    | 9.00            | 09/10/87    | 10.00       |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 . - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |        | SAMPLE DATE |         | SAMPLE DATE |       |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|--------|-------------|---------|-------------|-------|
|                     |       |                                   |                               | 1-H4-8      | 1-H4-9 | 1-H4-9      | 1-H4-10 |             |       |
| VANADUM             | PPB   | 5.00                              |                               | 10/14/87    | 5.00   | 10/06/87    | 7.00    | 10/05/87    | 10.00 |
|                     |       |                                   |                               |             | NR     | 12/20/87    |         |             | NR    |
| ZINC                | PPB   | 5.00                              |                               | 07/07/87    |        | 07/07/87    | 5.00    | 07/07/87    | 9.00  |
|                     |       |                                   |                               | 08/10/87    | 15.00  | 08/10/87    |         | 08/07/87    |       |
|                     |       |                                   |                               | 09/18/87    | 22.00  | 09/15/87    | 24.00   | 09/18/87    | 12.00 |
|                     |       |                                   |                               | 10/14/87    | 8.00   | 10/06/87    | 8.00    | 10/05/87    | 5.00  |
|                     |       |                                   |                               | NR          |        | 12/20/87    | 6.00    |             | NR    |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-11     |          | 1-H4-12A    |          | 1-H4-12B    |          |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |          |                             |                         | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/08/87    | 2.20     | 07/09/87    | 15.50 *  | 07/09/87    | 6.25     |
|                  |          |                             |                         |             | { 1.34 } |             | { 3.57 } |             | { 2.10 } |
|                  |          |                             |                         | 08/07/87    | 3.30     | 08/05/87    | 20.20 *  | 08/05/87    | 8.04     |
|                  |          |                             |                         |             | { 1.51 } |             | { 3.89 } |             | { 2.36 } |
|                  |          |                             |                         | 09/18/87    | 2.55     | 09/18/87    | 14.70    | 09/18/87    | 8.64     |
|                  |          |                             |                         |             | { 1.27 } |             | { 3.28 } |             | { 2.50 } |
|                  |          |                             |                         | 10/14/87    | 3.34     | 10/05/87    | 18.00 *  | 10/06/87    | 5.19     |
|                  |          |                             |                         |             | { 1.57 } |             | { 3.19 } |             | { 1.90 } |
|                  |          |                             |                         | 12/16/87    | 1.93     | 12/15/87    | 8.65     | 12/15/87    | 7.76     |
|                  |          |                             |                         |             | { 1.16 } |             | { 2.40 } |             | { 2.40 } |
|                  |          |                             |                         |             |          |             |          |             |          |
|                  |          |                             |                         |             |          |             |          |             |          |
| AMMONIU          | PPB      | 50.00                       |                         | 07/08/87    |          | 07/09/87    |          | 07/09/87    |          |
|                  |          |                             |                         | 08/07/87    |          | 08/05/87    |          | 08/05/87    |          |
|                  |          |                             |                         | 09/18/87    | 66.00    | 09/18/87    | 88.00    | 09/18/87    | 54.00    |
|                  |          |                             |                         | 10/14/87    |          | 10/05/87    |          | 10/06/87    |          |
|                  |          |                             |                         | 12/16/87    |          | 12/15/87    |          | 12/15/87    |          |
| BARIUM           | PPB      | 6.00                        | 1000.00                 | 07/08/87    | 40.00    | 07/09/87    | 60.00    | 07/09/87    | 92.00    |
|                  |          |                             |                         | 08/07/87    | 35.00    | 08/05/87    | 71.00    | 08/05/87    | 100.00   |
|                  |          |                             |                         | 09/18/87    | 20.00    | 09/18/87    | 64.00    | 09/18/87    | 101.00   |
|                  |          |                             |                         | 10/14/87    | 32.00    | 10/05/87    | 73.00    | 10/06/87    | 103.00   |
|                  |          |                             |                         | 12/16/87    | 30.00    | 12/15/87    | 60.00    | 12/15/87    | 113.00   |
|                  |          |                             |                         |             |          |             |          |             |          |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/08/87    | 84.20 *  | 07/09/87    | 59.80 *  | 07/09/87    | 33.00    |
|                  |          |                             |                         |             | { 9.04 } |             | { 7.64 } |             | { 5.94 } |
|                  |          |                             |                         | 08/07/87    | 80.50 *  | 08/05/87    | 60.30 *  | 08/05/87    | 41.70    |
|                  |          |                             |                         |             | { 8.04 } |             | { 7.79 } |             | { 6.70 } |
|                  |          |                             |                         | 09/18/87    | 65.00 *  | 09/18/87    | 50.60 *  | 09/18/87    | 47.00    |
|                  |          |                             |                         |             | { 7.71 } |             | { 7.59 } |             | { 7.15 } |
|                  |          |                             |                         | 10/14/87    | 66.20 *  | 10/05/87    | 45.10    | 10/06/87    | 29.70    |
|                  |          |                             |                         |             | { 7.82 } |             | { 6.55 } |             | { 5.72 } |
|                  |          |                             |                         | 12/16/87    | 61.00 *  | 12/15/87    | 38.90    | 12/15/87    | 35.30    |
|                  | { 7.48 } |                             | { 6.47 }                |             | { 6.21 } |             |          |             |          |
| CADMIUM          | PPB      | 2.00                        | 10.00                   | 07/08/87    |          | 07/09/87    |          | 07/09/87    |          |
|                  |          |                             |                         | 08/07/87    |          | 08/05/87    |          | 08/05/87    |          |
|                  |          |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/18/87    |          |
|                  |          |                             |                         | 10/14/87    | 3.00     | 10/05/87    |          | 10/06/87    |          |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|
|                  |       |                             |                         |             | 1-H4-11     | 1-H4-12A |             |             |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 12/16/87    |             | 12/15/87 | 2.00        | 12/15/87    |
| CALCIUM          | PPB   | 50.00                       |                         | 07/08/87    | 50000.00    | 07/09/87 | 07800.00    | 07/09/87    |
|                  |       |                             |                         | 08/07/87    | 41000.00    | 08/05/87 | 50500.00    | 08/05/87    |
|                  |       |                             |                         | 09/18/87    | 49300.00    | 09/16/87 | 73100.00    | 09/18/87    |
|                  |       |                             |                         | 10/14/87    | 53200.00    | 10/05/87 | 73400.00    | 10/06/87    |
|                  |       |                             |                         | 12/16/87    | 50000.00    | 12/15/87 | 73900.00    | 12/15/87    |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/08/87    | 30.00       | 07/09/87 |             | 07/09/87    |
|                  |       |                             |                         | 08/07/87    | 32.00       | 08/05/87 | 21.00       | 08/05/87    |
|                  |       |                             |                         | 09/18/87    | 29.00       | 09/16/87 | 19.00       | 09/16/87    |
|                  |       |                             |                         | 10/14/87    | 26.00       | 10/05/87 | 17.00       | 10/06/87    |
|                  |       |                             |                         | 12/16/87    | 27.00       | 12/15/87 | 17.00       | 12/15/87    |
| CHLORID          | PPB   | 500.00                      |                         | 07/08/87    | 4000.00     | 07/09/87 | 0700.00     | 07/09/87    |
|                  |       |                             |                         | 08/07/87    | 5100.00     | 08/05/87 | 0090.00     | 08/05/87    |
|                  |       |                             |                         | 09/18/87    | 5670.00     | 09/16/87 | 7670.00     | 09/16/87    |
|                  |       |                             |                         | 10/14/87    | 5320.00     | 10/05/87 | 0170.00     | 10/06/87    |
|                  |       |                             |                         | 12/16/87    | 5040.00     | 12/15/87 | 7170.00     | 12/15/87    |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 07/08/87    | 137.00 *    | 07/09/87 | 215.00 *    | 07/09/87    |
|                  |       |                             |                         | 08/07/87    | 90.00 *     | 08/05/87 | 207.00 *    | 08/05/87    |
|                  |       |                             |                         | 09/18/87    | 06.00 *     | 09/16/87 | 101.00 *    | 09/16/87    |
|                  |       |                             |                         | 10/14/87    | 140.00 *    | 10/05/87 | 197.00 *    | 10/06/87    |
|                  |       |                             |                         | 12/16/87    | 107.00 *    | 12/15/87 | 177.00 *    | 12/15/87    |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/08/87    |             | 07/09/87 |             | 07/09/87    |
|                  |       |                             |                         | 08/07/87    |             | 08/05/87 | 16.00 *     | 08/05/87    |
|                  |       |                             |                         | 09/18/87    |             | 09/16/87 |             | 09/16/87    |
|                  |       |                             |                         | 10/14/87    |             | 10/05/87 |             | 10/06/87    |
|                  |       |                             |                         | 12/16/87    |             | 12/15/87 |             | 12/15/87    |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/08/87    | 295.00      | 07/09/87 | 417.00      | 07/09/87    |
|                  |       |                             |                         | 08/07/87    | 245.00      | 08/05/87 | 434.00      | 08/05/87    |
|                  |       |                             |                         | 09/18/87    | 325.00      | 09/16/87 | 516.00      | 09/16/87    |
|                  |       |                             |                         | 10/14/87    | 304.00      | 10/05/87 | 400.00      | 10/06/87    |
|                  |       |                             |                         | 12/16/87    | 347.00      | 12/15/87 | 610.00      | 12/15/87    |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/08/87    |             | 07/09/87 |             | 07/09/87    |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE   |          | SAMPLE DATE | SAMPLE   |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|----------|-------------|----------|----------|
|                  |       |                             |                         |             | 1-H4-11  | 1-H4-12A |             | 1-H4-12B | 1-H4-12B |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/07/87    |          |          | 08/05/87    |          | 08/05/87 |
|                  |       |                             |                         | 09/10/87    |          |          | 09/10/87    |          | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 274.00   |          | 10/05/87    |          | 10/06/87 |
|                  |       |                             |                         | 12/10/87    |          |          | 12/15/87    |          | 12/15/87 |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/08/87    | 39.00    |          | 07/09/87    | 67.00    | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 41.00    |          | 08/05/87    | 69.00    | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 33.00    |          | 09/10/87    | 74.00    | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 35.00    |          | 10/05/87    | 76.00    | 10/06/87 |
|                  |       |                             | 12/10/87                | 40.00       |          | 12/15/87 | 66.00       | 12/15/87 |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/08/87    | 49000.00 |          | 07/09/87    | 51300.00 | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 47500.00 |          | 08/05/87    | 50800.00 | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 50900.00 |          | 09/10/87    | 50400.00 | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 48000.00 |          | 10/05/87    | 79100.00 | 10/06/87 |
|                  |       |                             | 12/10/87                | 53000.00    |          | 12/15/87 | 59500.00    | 12/15/87 |          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/08/87    | 134.00 * |          | 07/09/87    | 203.00 * | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 114.00 * |          | 08/05/87    | 197.00 * | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 87.00 *  |          | 09/10/87    | 189.00 * | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 127.00 * |          | 10/05/87    | 188.00 * | 10/06/87 |
|                  |       |                             | 12/10/87                | 155.00 *    |          | 12/15/87 | 173.00 *    | 12/15/87 |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/08/87    | 7470.00  |          | 07/09/87    | 10400.00 | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 7980.00  |          | 08/05/87    | 10900.00 | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 8940.00  |          | 09/10/87    | 10700.00 | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 7590.00  |          | 10/05/87    | 10000.00 | 10/06/87 |
|                  |       |                             | 12/10/87                | 7940.00     |          | 12/15/87 | 10000.00    | 12/15/87 |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/08/87    | 2620.00  |          | 07/09/87    | 5020.00  | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 2000.00  |          | 08/05/87    | 5180.00  | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 2860.00  |          | 09/10/87    | 5030.00  | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 2870.00  |          | 10/05/87    | 5370.00  | 10/06/87 |
|                  |       |                             | 12/10/87                | 2820.00     |          | 12/15/87 | 4330.00     | 12/15/87 |          |
| FSODIUM          | PPB   | 100.00                      |                         | 07/08/87    | 7940.00  |          | 07/09/87    | 17200.00 | 07/09/87 |
|                  |       |                             |                         | 08/07/87    | 7770.00  |          | 08/05/87    | 18800.00 | 08/05/87 |
|                  |       |                             |                         | 09/10/87    | 8910.00  |          | 09/10/87    | 16600.00 | 09/10/87 |
|                  |       |                             |                         | 10/14/87    | 8000.00  |          | 10/05/87    | 20400.00 | 10/06/87 |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON.  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED.  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES.  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY.

C.240

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-11 | SAMPLE DATE | 1-H4-12A | SAMPLE DATE | 1-H4-12B |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|----------|
| FSODIUM          | PPB   | 100.00                      |                         | 12/16/87    | 9980.00 | 12/15/87    | 13400.00 | 12/15/87    | 12200.00 |
| FSTRONT          | PPB   | 300.00                      |                         | 07/08/87    |         | 07/09/87    | 303.00   | 07/09/87    | 309.00   |
|                  |       |                             |                         | 08/07/87    |         | 08/05/87    | 318.00   | 08/05/87    | 315.00   |
|                  |       |                             |                         | 09/18/87    |         | 09/16/87    | 338.00   | 09/16/87    | 340.00   |
|                  |       |                             |                         | 10/14/87    |         | 10/05/87    | 347.00   | 10/06/87    | 322.00   |
|                  |       |                             |                         | 12/16/87    |         | 12/15/87    | 318.00   | 12/15/87    | 330.00   |
| FVANADI          | PPB   | 5.00                        |                         | 07/08/87    |         | 07/09/87    |          | 07/09/87    |          |
|                  |       |                             |                         | 08/07/87    |         | 08/05/87    | 7.00     | 08/05/87    | 7.00     |
|                  |       |                             |                         | 09/18/87    |         | 09/16/87    | 8.00     | 09/16/87    | 7.00     |
|                  |       |                             |                         | 10/14/87    | 8.00    | 10/05/87    |          | 10/06/87    | 9.00     |
|                  |       |                             |                         | 12/16/87    |         | 12/15/87    |          | 12/15/87    | 5.00     |
| FZINC            | PPB   | 5.00                        |                         | 07/08/87    |         | 07/09/87    |          | 07/09/87    | 10.00    |
|                  |       |                             |                         | 08/07/87    |         | 08/05/87    |          | 08/05/87    | 8.00     |
|                  |       |                             |                         | 09/18/87    |         | 09/16/87    |          | 09/16/87    | 10.00    |
|                  |       |                             |                         | 10/14/87    |         | 10/05/87    | 6.00     | 10/06/87    | 12.00    |
|                  |       |                             |                         | 12/16/87    |         | 12/15/87    |          | 12/15/87    | 5.00     |
| IRON             | PPB   | 50.00                       |                         | 07/09/87    | 88.00   | 07/09/87    |          | 07/09/87    |          |
|                  |       |                             |                         | 08/07/87    | 202.00  | 08/05/87    |          | 08/05/87    |          |
|                  |       |                             |                         | 09/18/87    | 111.00  | 09/16/87    |          | 09/16/87    |          |
|                  |       |                             |                         | 10/14/87    | 52.00   | 10/05/87    |          | 10/06/87    |          |
|                  |       |                             |                         | 12/16/87    |         | 12/15/87    | 58.00    | 12/15/87    |          |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 07/08/87    |         | 07/09/87    |          | 07/09/87    |          |
|                  |       |                             |                         | 08/07/87    |         | 08/05/87    | 5.00     | 08/05/87    |          |
|                  |       |                             |                         | 09/18/87    |         | 09/16/87    |          | 09/16/87    |          |
|                  |       |                             |                         | 10/14/87    |         | 10/05/87    |          | 10/06/87    |          |
|                  |       |                             |                         | 12/16/87    |         | 12/15/87    |          | 12/15/87    |          |
| MAGNES           | PPB   | 0.00                        |                         | 07/08/87    | 7880.00 | 07/09/87    | 11100.00 | 07/09/87    | 10100.00 |
|                  |       |                             |                         | 08/07/87    | 7060.00 | 08/05/87    | 11000.00 | 08/05/87    | 11100.00 |
|                  |       |                             |                         | 09/18/87    | 6950.00 | 09/16/87    | 10200.00 | 09/16/87    | 10700.00 |
|                  |       |                             |                         | 10/14/87    | 7210.00 | 10/05/87    | 10400.00 | 10/06/87    | 10500.00 |
|                  |       |                             |                         | 12/16/87    | 7930.00 | 12/15/87    | 10700.00 | 12/15/87    | 12200.00 |
| NICKEL           | PPB   | 10.00                       |                         | 07/08/87    |         | 07/09/87    |          | 07/09/87    |          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.241

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |            | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|-------------|------------|
|                  |       |                             |                         | 1-H4-11     | 1-H4-12A | 1-H4-12B    |            |             |            |
| NICKEL           | PPB   | 10.00                       |                         | 08/07/87    |          | 08/05/87    |            | 08/05/87    |            |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |            | 09/18/87    |            |
|                  |       |                             |                         | 10/14/87    | 81.00    | 10/05/87    |            | 10/06/87    |            |
|                  |       |                             |                         | 12/16/87    |          | 12/15/87    |            | 12/15/87    |            |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/08/87    | 30700.00 | 07/09/87    | 77400.00 * | 07/09/87    | 49300.00 * |
|                  |       |                             |                         | 08/07/87    | 32600.00 | 08/05/87    | 87500.00 * | 08/05/87    | 58400.00 * |
|                  |       |                             |                         | 09/18/87    | 28200.00 | 09/18/87    | 79300.00 * | 09/18/87    | 80600.00 * |
|                  |       |                             |                         | 10/14/87    | 28900.00 | 10/05/87    | 88800.00 * | 10/06/87    | 55000.00 * |
|                  |       |                             |                         | 12/16/87    | 26600.00 | 12/15/87    | 56700.00 * | 12/15/87    | 52500.00 * |
| PH-LAB           |       | 0.01                        |                         | 10/14/87    | 7.76     | 10/05/87    | 7.60       | 10/06/87    | 7.03       |
|                  |       |                             |                         | 12/16/87    | 7.76     | 12/15/87    | 7.77       | 12/15/87    | 7.74       |
| PHFIELD          |       | 0.10                        |                         | 07/08/87    | 7.30     | 07/09/87    | 7.40       | 07/09/87    | 7.40       |
|                  |       |                             |                         | 08/07/87    | 7.50     | 08/05/87    | 7.00       | 08/05/87    | 6.90       |
|                  |       |                             |                         | 09/18/87    | 7.40     | 09/18/87    | 7.50       | 09/18/87    | 7.50       |
|                  |       |                             |                         | 10/14/87    | 8.80     | 10/05/87    | 7.30       | 10/06/87    | 8.40       |
|                  |       |                             |                         | 12/16/87    | 7.50     | 12/15/87    | 9.40       | 12/15/87    | 8.20       |
| POTASUM          | PPB   | 100.00                      |                         | 07/08/87    | 2600.00  | 07/09/87    | 5100.00    | 07/09/87    | 4860.00    |
|                  |       |                             |                         | 08/07/87    | 2210.00  | 08/05/87    | 6260.00    | 08/05/87    | 6200.00    |
|                  |       |                             |                         | 09/18/87    | 2720.00  | 09/18/87    | 4850.00    | 09/18/87    | 4890.00    |
|                  |       |                             |                         | 10/14/87    | 2540.00  | 10/05/87    | 5010.00    | 10/06/87    | 5200.00    |
|                  |       |                             |                         | 12/16/87    | 2730.00  | 12/15/87    | 4580.00    | 12/15/87    | 5000.00    |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/08/87    |          | 07/09/87    | 0.24       | 07/09/87    | 0.48       |
|                  |       |                             |                         | 08/07/87    |          | 08/05/87    | { 0.17}    | 08/05/87    | { 0.23}    |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |            | 09/18/87    |            |
|                  |       |                             |                         | 10/14/87    |          | 10/05/87    | 0.33       | 10/06/87    |            |
|                  |       |                             |                         | 12/16/87    |          | 12/15/87    | { 0.19}    | 12/15/87    |            |
| SODIUM           | PPB   | 100.00                      |                         | 07/08/87    | 8020.00  | 07/09/87    | 17500.00   | 07/09/87    | 12300.00   |
|                  |       |                             |                         | 08/07/87    | 7220.00  | 08/05/87    | 19500.00   | 08/05/87    | 13900.00   |
|                  |       |                             |                         | 09/18/87    | 6800.00  | 09/18/87    | 15700.00   | 09/18/87    | 12000.00   |
|                  |       |                             |                         | 10/14/87    | 7320.00  | 10/05/87    | 18700.00   | 10/06/87    | 11000.00   |
|                  |       |                             |                         | 12/16/87    | 9550.00  | 12/15/87    | 13800.00   | 12/15/87    | 12000.00   |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.242

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-11     | SAMPLE DATE | 1-H4-12A    | SAMPLE DATE | 1-H4-12B    |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| STRONIUM         | PPB   | 300.00                      |                         | 07/08/87    |             | 07/09/87    | 320.00      | 07/09/87    |             |
|                  |       |                             |                         | 08/07/87    |             | 08/05/87    | 326.00      | 08/05/87    | 320.00      |
|                  |       |                             |                         | 09/10/87    |             | 09/10/87    | 319.00      | 09/10/87    | 327.00      |
|                  |       |                             |                         | 10/14/87    |             | 10/05/87    | 334.00      | 10/06/87    | 320.00      |
|                  |       |                             |                         | 12/16/87    |             | 12/15/87    | 325.00      | 12/15/87    | 300.00      |
| SULFATE          | PPB   | 500.00                      |                         | 07/08/87    | 30700.00    | 07/09/87    | 50000.00    | 07/09/87    | 50000.00    |
|                  |       |                             |                         | 08/07/87    | 40600.00    | 08/05/87    | 55700.00    | 08/05/87    | 55200.00    |
|                  |       |                             |                         | 09/10/87    | 39300.00    | 09/10/87    | 57000.00    | 09/10/87    | 56000.00    |
|                  |       |                             |                         | 10/14/87    | 39900.00    | 10/05/87    | 60900.00    | 10/06/87    | 55900.00    |
|                  |       |                             |                         | 12/16/87    | 46800.00    | 12/15/87    | 59000.00    | 12/15/87    | 59300.00    |
| TC               | PPB   |                             |                         | 10/14/87    | 20700.00 0  | 10/05/87    | 39300.00 0  | 10/06/87    | 32300.00 0  |
|                  |       |                             |                         | 12/16/87    | 27200.00 0  | 12/15/87    | 34000.00 0  | 12/15/87    | 33000.00 0  |
| TDS              |       |                             |                         | 10/14/87    | 227000.00 0 | 10/05/87    | 350000.00 0 | 10/06/87    | 392000.00 0 |
|                  |       |                             |                         | 12/16/87    | 215000.00 0 | 12/15/87    | 330000.00 0 | 12/15/87    | 316000.00 0 |
| TDC              | PPB   | 1000.00                     |                         | 07/08/87    |             | 07/09/87    | 1040.00     | 07/09/87    |             |
|                  |       |                             |                         | 08/07/87    |             | 08/05/87    | 1000.00     | 08/05/87    | 1010.00     |
|                  |       |                             |                         | 09/10/87    |             | 09/10/87    |             | 09/10/87    |             |
|                  |       |                             |                         | 10/14/87    |             | 10/05/87    |             | 10/06/87    |             |
|                  |       |                             |                         | 12/16/87    |             | 12/15/87    |             | 12/15/87    |             |
| VANADUM          | PPB   | 5.00                        |                         | 07/08/87    |             | 07/09/87    |             | 07/09/87    |             |
|                  |       |                             |                         | 08/07/87    | 8.00        | 08/05/87    | 6.00        | 08/05/87    | 6.00        |
|                  |       |                             |                         | 09/10/87    | 7.00        | 09/10/87    | 5.00        | 09/10/87    | 8.00        |
|                  |       |                             |                         | 10/14/87    |             | 10/05/87    | 6.00        | 10/06/87    |             |
|                  |       |                             |                         | 12/16/87    |             | 12/15/87    |             | 12/15/87    |             |
| ZINC             | PPB   | 5.00                        |                         | 07/08/87    |             | 07/09/87    |             | 07/09/87    | 11.00       |
|                  |       |                             |                         | 08/07/87    | 20.00       | 08/05/87    | 6.00        | 08/05/87    | 7.00        |
|                  |       |                             |                         | 09/10/87    | 0.00        | 09/10/87    |             | 09/10/87    | 9.00        |
|                  |       |                             |                         | 10/14/87    | 404.00      | 10/05/87    | 6.00        | 10/06/87    | 8.00        |
|                  |       |                             |                         | 12/16/87    | 5.00        | 12/15/87    | 12.00       | 12/15/87    | 19.00       |

C.243

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.244

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS   | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-12C    |         | 1-H4-13     |           | 1-H4-14     |          |
|------------------|---------|-----------------------------|-------------------------|-------------|---------|-------------|-----------|-------------|----------|
|                  |         |                             |                         | SAMPLE DATE | VALUE   | SAMPLE DATE | VALUE     | SAMPLE DATE | VALUE    |
| ALPHA            | PCI/L   | 4.00                        | 15.00                   | 07/09/87    | 1.10    | 07/15/87    | 1.04      | 07/13/87    | 1.08     |
|                  |         |                             |                         | { 08/05/87  | { 0.93} | { 08/07/87  | { 1.00}   | { 08/07/87  | { 1.14}  |
|                  |         |                             |                         | { 09/10/87  | { 1.32} | { 09/17/87  | { 1.43}   | { 09/17/87  | { 1.30}  |
|                  |         |                             |                         | { 10/05/87  | { 1.02} | { 10/14/87  | { 1.06}   | { 10/07/87  | { 1.01}  |
|                  |         |                             |                         | { 12/15/87  | { 1.30} | { 12/10/87  | { 1.51}   | { 12/22/87  | { 1.80}  |
|                  |         |                             |                         | { 12/15/87  | { 0.97} | { 12/18/87  | { 1.11}   |             | { 1.10}  |
| AMMONIU          | PPB     | 50.00                       | 50.00                   | 07/09/87    | 74.00   | 07/15/87    |           | 07/13/87    |          |
|                  |         |                             |                         | 08/05/87    |         | 08/07/87    |           | 08/07/87    |          |
|                  |         |                             |                         | 09/10/87    | 04.00   | 09/17/87    |           | 09/17/87    |          |
|                  |         |                             |                         | 10/05/87    |         | 10/14/87    |           | 10/07/87    |          |
|                  |         |                             |                         | 12/15/87    |         | 12/10/87    |           | 12/22/87    |          |
|                  |         |                             |                         |             |         |             |           |             |          |
| ARSENIC          | PPB     | 5.00                        | 50.00                   | 07/09/87    |         | 07/15/87    |           | 07/13/87    |          |
|                  |         |                             |                         | 08/05/87    | 0.00    | 08/07/87    |           | 08/07/87    |          |
|                  |         |                             |                         | 09/10/87    | 5.00    | 09/17/87    |           | 09/17/87    |          |
|                  |         |                             |                         | 10/05/87    | 0.00    | 10/14/87    |           | 10/07/87    |          |
|                  |         |                             |                         | 12/15/87    | 0.00    | 12/10/87    |           | 12/22/87    |          |
|                  |         |                             |                         |             |         |             |           |             |          |
| BARIUM           | PPB     | 0.00                        | 1000.00                 | 07/09/87    | 10.00   | 07/15/87    | 31.00     | 07/13/87    | 22.00    |
|                  |         |                             |                         | 08/05/87    | 10.00   | 08/07/87    | 25.00     | 08/07/87    | 21.00    |
|                  |         |                             |                         | 09/10/87    | 0.00    | 09/17/87    | 10.00     | 09/17/87    | 10.00    |
|                  |         |                             |                         | 10/05/87    | 0.00    | 10/14/87    | 27.00     | 10/07/87    | 20.00    |
|                  |         |                             |                         | 12/15/87    | 0.00    | 12/10/87    | 25.00     | 12/22/87    | 25.00    |
|                  |         |                             |                         |             |         |             |           |             |          |
| BETA             | PCI/L   | 0.00                        | 50.00                   | 07/09/87    | 7.93    | 07/15/87    | 77.90 +   | 07/13/87    | 4.55     |
|                  |         |                             |                         | { 08/05/87  | { 3.71} | { 08/07/87  | { 8.25}   | { 08/07/87  | { 3.39}  |
|                  |         |                             |                         | { 09/10/87  | { 0.18} | { 09/17/87  | { 77.40 + | { 09/17/87  | { 10.10} |
|                  |         |                             |                         | { 10/05/87  | { 3.00} | { 10/14/87  | { 0.33}   | { 10/07/87  | { 4.00}  |
|                  |         |                             |                         | { 12/15/87  | { 0.20} | { 12/10/87  | { 64.00 + | { 12/22/87  | { 7.59}  |
|                  |         |                             |                         | { 12/15/87  | { 3.75} | { 12/18/87  | { 7.61}   |             | { 3.09}  |
|                  | { 4.30} |                             | { 74.20 +               |             | { 7.07} |             |           |             |          |
|                  | { 3.25} |                             | { 0.52}                 |             | { 3.71} |             |           |             |          |
|                  | { 4.00} |                             | { 70.30 +               |             | { 7.70} |             |           |             |          |
|                  | { 3.39} |                             | { 8.24}                 |             | { 3.70} |             |           |             |          |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-12C    |          | 1-H4-13     |          | 1-H4-14     |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| CALCIUM          | PPB   | 50.00                       |                         | 07/09/87    | 28300.00 | 07/15/87    | 42200.00 | 07/13/87    | 40500.00 |
|                  |       |                             |                         | 08/05/87    | 23300.00 | 08/07/87    | 31400.00 | 08/07/87    | 34100.00 |
|                  |       |                             |                         | 09/18/87    | 31800.00 | 09/17/87    | 37400.00 | 09/17/87    | 42500.00 |
|                  |       |                             |                         | 10/05/87    | 29900.00 | 10/14/87    | 36900.00 | 10/07/87    | 42700.00 |
|                  |       |                             |                         | 12/15/87    | 34000.00 | 12/18/87    | 44800.00 | 12/22/87    | 44800.00 |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/09/87    |          | 07/15/87    | 29.00    | 07/13/87    | 35.00    |
|                  |       |                             |                         | 08/05/87    |          | 08/07/87    | 33.00    | 08/07/87    | 37.00    |
|                  |       |                             |                         | 09/18/87    |          | 09/17/87    | 29.00    | 09/17/87    | 33.00    |
|                  |       |                             |                         | 10/05/87    |          | 10/14/87    | 29.00    | 10/07/87    | 28.00    |
|                  |       |                             |                         | 12/15/87    |          | 12/18/87    | 24.00    | 12/22/87    | 26.00    |
| CHLORID          | PPB   | 500.00                      |                         | 07/09/87    | 2980.00  | 07/15/87    | 4550.00  | 07/13/87    | 4830.00  |
|                  |       |                             |                         | 08/05/87    | 2530.00  | 08/07/87    | 4630.00  | 08/07/87    | 4880.00  |
|                  |       |                             |                         | 09/18/87    | 2580.00  | 09/17/87    | 4820.00  | 09/17/87    | 5520.00  |
|                  |       |                             |                         | 10/05/87    | 2650.00  | 10/14/87    | 4820.00  | 10/07/87    | 5360.00  |
|                  |       |                             |                         | 12/15/87    | 2720.00  | 12/18/87    | 4240.00  | 12/22/87    | 5030.00  |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 07/09/87    | 77.00 *  | 07/15/87    | 26.00    | 07/13/87    | 270.00 * |
|                  |       |                             |                         | 08/05/87    | 157.00 * | 08/07/87    | 21.00    | 08/07/87    | 267.00 * |
|                  |       |                             |                         | 09/18/87    | 194.00 * | 09/17/87    | 23.00    | 09/17/87    | 293.00 * |
|                  |       |                             |                         | 10/05/87    | 209.00 * | 10/14/87    | 35.00    | 10/07/87    | 305.00 * |
|                  |       |                             |                         | 12/15/87    | 258.00 * | 12/18/87    | 48.00    | 12/22/87    | 351.00 * |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/09/87    |          | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    |          | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    |          | 10/14/87    | 2.20 *   | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    |          | 12/18/87    |          | 12/22/87    |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/09/87    | 229.00   | 07/15/87    | 210.00   | 07/13/87    | 284.00   |
|                  |       |                             |                         | 08/05/87    | 221.00   | 08/07/87    | 186.00   | 08/07/87    | 206.00   |
|                  |       |                             |                         | 09/18/87    | 272.00   | 09/17/87    | 252.00   | 09/17/87    | 265.00   |
|                  |       |                             |                         | 10/05/87    | 226.00   | 10/14/87    | 298.00   | 10/07/87    | 286.00   |
|                  |       |                             |                         | 12/15/87    | 272.00   | 12/18/87    | 285.00   | 12/22/87    | 305.00   |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/09/87    |          | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    |          | 08/07/87    |          | 08/07/87    |          |

C.245

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-12C    |          | 1-H4-13     |          | 1-H4-14     |          |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 09/16/87    |          | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    |          | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    | 20.00    | 12/16/87    |          | 12/22/87    |          |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/09/87    | 7.00     | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    | 7.00     | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/16/87    | 0.00     | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    | 7.00     | 10/14/87    |          | 10/07/87    | 5.00     |
|                  |       |                             |                         | 12/15/87    | 0.00     | 12/16/87    |          | 12/22/87    |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/09/87    | 11.00    | 07/15/87    | 31.00    | 07/13/87    | 27.00    |
|                  |       |                             |                         | 08/05/87    | 0.00     | 08/07/87    | 24.00    | 08/07/87    | 24.00    |
|                  |       |                             |                         | 09/16/87    | 12.00    | 09/17/87    | 29.00    | 09/17/87    | 23.00    |
|                  |       |                             |                         | 10/05/87    | 10.00    | 10/14/87    | 30.00    | 10/07/87    | 27.00    |
|                  |       |                             |                         | 12/15/87    | 9.00     | 12/16/87    | 30.00    | 12/22/87    | 26.00    |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 07/09/87    |          | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    | 2.00     | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/16/87    |          | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    |          | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    |          | 12/16/87    |          | 12/22/87    |          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/09/87    | 29700.00 | 07/15/87    | 41900.00 | 07/13/87    | 40300.00 |
|                  |       |                             |                         | 08/05/87    | 23700.00 | 08/07/87    | 33700.00 | 08/07/87    | 36300.00 |
|                  |       |                             |                         | 09/16/87    | 29200.00 | 09/17/87    | 37400.00 | 09/17/87    | 46300.00 |
|                  |       |                             |                         | 10/05/87    | 33000.00 | 10/14/87    | 37400.00 | 10/07/87    | 43000.00 |
|                  |       |                             |                         | 12/15/87    | 31400.00 | 12/16/87    | 44500.00 | 12/22/87    | 40600.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/09/87    | 74.00 *  | 07/15/87    | 25.00    | 07/13/87    | 268.00 * |
|                  |       |                             |                         | 08/05/87    | 147.00 * | 08/07/87    | 26.00    | 08/07/87    | 281.00 * |
|                  |       |                             |                         | 09/16/87    | 169.00 * | 09/17/87    | 22.00    | 09/17/87    | 287.00 * |
|                  |       |                             |                         | 10/05/87    | 203.00 * | 10/14/87    | 30.00    | 10/07/87    | 304.00 * |
|                  |       |                             |                         | 12/15/87    | 234.00 * | 12/16/87    | 48.00    | 12/22/87    | 294.00 * |
| FIRON            | PPB   | 50.00                       |                         | 07/09/87    | 93.00    | 07/15/87    |          | 07/13/87    | 96.00    |
|                  |       |                             |                         | 08/05/87    |          | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/16/87    |          | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    |          | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    |          | 12/16/87    |          | 12/22/87    |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.246

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |         | SAMPLE DATE |         |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|---------|-------------|---------|
|                  |       |                             |                         | 1-H4-12C    |          | 1-H4-13     |         | 1-H4-14     |         |
| FMAGNES          | PPB   | 8.00                        |                         | 07/09/87    | 13000.00 | 07/15/87    | 7160.00 | 07/13/87    | 7950.00 |
|                  |       |                             |                         | 08/05/87    | 11200.00 | 08/07/87    | 6690.00 | 08/07/87    | 8390.00 |
|                  |       |                             |                         | 09/16/87    | 10700.00 | 09/17/87    | 6090.00 | 09/17/87    | 7670.00 |
|                  |       |                             |                         | 10/05/87    | 10800.00 | 10/14/87    | 6010.00 | 10/07/87    | 7980.00 |
|                  |       |                             |                         | 12/15/87    | 11700.00 | 12/16/87    | 7590.00 | 12/22/87    | 8720.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 07/09/87    | 23.00    | 07/15/87    |         | 07/13/87    |         |
|                  |       |                             |                         | 08/05/87    | 12.00    | 08/07/87    |         | 08/07/87    |         |
|                  |       |                             |                         | 09/16/87    | 7.00     | 09/17/87    |         | 09/17/87    |         |
|                  |       |                             |                         | 10/05/87    | 0.00     | 10/14/87    |         | 10/07/87    |         |
|                  |       |                             |                         | 12/15/87    |          | 12/16/87    |         | 12/22/87    |         |
| FNICKEL          | PPB   | 10.00                       |                         | 07/09/87    | 23.00    | 07/15/87    |         | 07/13/87    |         |
|                  |       |                             |                         | 08/05/87    | 19.00    | 08/07/87    |         | 08/07/87    |         |
|                  |       |                             |                         | 09/16/87    | 33.00    | 09/17/87    |         | 09/17/87    |         |
|                  |       |                             |                         | 10/05/87    | 27.00    | 10/14/87    |         | 10/07/87    |         |
|                  |       |                             |                         | 12/15/87    | 29.00    | 12/16/87    |         | 12/22/87    |         |
| FPDTASS          | PPB   | 100.00                      |                         | 07/09/87    | 5300.00  | 07/15/87    | 2360.00 | 07/13/87    | 4030.00 |
|                  |       |                             |                         | 08/05/87    | 4770.00  | 08/07/87    | 2170.00 | 08/07/87    | 4140.00 |
|                  |       |                             |                         | 09/16/87    | 4500.00  | 09/17/87    | 2030.00 | 09/17/87    | 3780.00 |
|                  |       |                             |                         | 10/05/87    | 4500.00  | 10/14/87    | 2890.00 | 10/07/87    | 3950.00 |
|                  |       |                             |                         | 12/15/87    | 4870.00  | 12/16/87    | 2290.00 | 12/22/87    | 4530.00 |
| FSODIUM          | PPB   | 100.00                      |                         | 07/09/87    | 5030.00  | 07/15/87    | 7370.00 | 07/13/87    | 7820.00 |
|                  |       |                             |                         | 08/05/87    | 4730.00  | 08/07/87    | 6810.00 | 08/07/87    | 7900.00 |
|                  |       |                             |                         | 09/16/87    | 4120.00  | 09/17/87    | 6320.00 | 09/17/87    | 7030.00 |
|                  |       |                             |                         | 10/05/87    | 4090.00  | 10/14/87    | 7420.00 | 10/07/87    | 7010.00 |
|                  |       |                             |                         | 12/15/87    | 5250.00  | 12/16/87    | 7290.00 | 12/22/87    | 8690.00 |
| FVANADI          | PPB   | 5.00                        |                         | 07/09/87    | 11.00    | 07/15/87    | 5.00    | 07/13/87    | 10.00   |
|                  |       |                             |                         | 08/05/87    | 22.00    | 08/07/87    |         | 08/07/87    | 7.00    |
|                  |       |                             |                         | 09/16/87    | 25.00    | 09/17/87    |         | 09/17/87    | 7.00    |
|                  |       |                             |                         | 10/05/87    | 27.00    | 10/14/87    | 0.00    | 10/07/87    | 7.00    |
|                  |       |                             |                         | 12/15/87    | 25.00    | 12/16/87    |         | 12/22/87    | 0.00    |
| FZINC            | PPB   | 5.00                        |                         | 07/09/87    | 9.00     | 07/15/87    | 12.00   | 07/13/87    |         |
|                  |       |                             |                         | 08/05/87    | 7.00     | 08/07/87    | 9.00    | 08/07/87    | 7.00    |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-12C    |          | 1-H4-13     |          | 1-H4-14     |          |
| FZINC            | PPB   | 5.00                        |                         | 09/16/87    | 7.00     | 09/17/87    | 7.00     | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    | 184.00   | 10/14/87    | 8.00     | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    | 8.00     | 12/16/87    | 8.00     | 12/22/87    |          |
| IRON             | PPB   | 50.00                       |                         | 07/09/87    | 141.00   | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    | 79.00    | 08/07/87    |          | 08/07/87    | 52.00    |
|                  |       |                             |                         | 09/16/87    | 123.00   | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    | 98.00    | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    | 84.00    | 12/16/87    | 84.00    | 12/22/87    |          |
| MAGNES           | PPB   | 0.00                        |                         | 07/09/87    | 11400.00 | 07/15/87    | 7100.00  | 07/13/87    | 8030.00  |
|                  |       |                             |                         | 08/05/87    | 11300.00 | 08/07/87    | 6320.00  | 08/07/87    | 7890.00  |
|                  |       |                             |                         | 09/16/87    | 10900.00 | 09/17/87    | 6900.00  | 09/17/87    | 7940.00  |
|                  |       |                             |                         | 10/05/87    | 10500.00 | 10/14/87    | 6410.00  | 10/07/87    | 8190.00  |
|                  |       |                             |                         | 12/15/87    | 11000.00 | 12/16/87    | 7140.00  | 12/22/87    | 8560.00  |
| MANGESE          | PPB   | 5.00                        |                         | 07/09/87    | 22.00    | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    | 12.00    | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/16/87    | 8.00     | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    | 5.00     | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    |          | 12/16/87    |          | 12/22/87    |          |
| NICKEL           | PPB   | 10.00                       |                         | 07/09/87    | 22.00    | 07/15/87    |          | 07/13/87    |          |
|                  |       |                             |                         | 08/05/87    | 21.00    | 08/07/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/16/87    | 38.00    | 09/17/87    |          | 09/17/87    |          |
|                  |       |                             |                         | 10/05/87    | 27.00    | 10/14/87    |          | 10/07/87    |          |
|                  |       |                             |                         | 12/15/87    | 34.00    | 12/16/87    |          | 12/22/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/09/87    | 3720.00  | 07/15/87    | 23000.00 | 07/13/87    | 17100.00 |
|                  |       |                             |                         | 08/05/87    | 5320.00  | 08/07/87    | 21500.00 | 08/07/87    | 17900.00 |
|                  |       |                             |                         | 09/16/87    | 8140.00  | 09/17/87    | 19800.00 | 09/17/87    | 19200.00 |
|                  |       |                             |                         | 10/05/87    | 5780.00  | 10/14/87    | 19800.00 | 10/07/87    | 19400.00 |
|                  |       |                             |                         | 12/15/87    | 5880.00  | 12/16/87    | 19700.00 | 12/22/87    | 19800.00 |
| PH-LAB           |       | 0.01                        |                         | 10/05/87    | 7.84     | 10/14/87    | 7.39     | 10/07/87    | 7.75     |
|                  |       |                             |                         | 12/15/87    | 7.79     | 12/16/87    | 7.47     | 12/22/87    | 8.02     |
| PHFIELD          |       | 0.10                        |                         | 07/09/87    | 7.30     | 07/15/87    | 8.00     | 07/13/87    | 8.50     |
|                  |       |                             |                         | 08/05/87    | 8.90     | 08/07/87    | 7.00     | 08/07/87    | 7.00     |

C.248

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 1-H4-12C    | 1-H4-13     | 1-H4-13     | 1-H4-14     |             |             |
| PHFIELD          |       | 0.10                        |                         | 09/16/87    | 7.40        | 09/17/87    | 8.90        | 09/17/87    | 7.50        |
|                  |       |                             |                         | 10/05/87    | 6.80        | 10/14/87    | 7.30        | 10/07/87    | 7.40        |
|                  |       |                             |                         | 12/15/87    | 8.30        | 12/16/87    | 7.00        | 12/22/87    | 7.50        |
| POTASUM          | PPB   | 100.00                      |                         | 07/09/87    | 4860.00     | 07/15/87    | 2100.00     | 07/13/87    | 4010.00     |
|                  |       |                             |                         | 08/05/87    | 4720.00     | 08/07/87    | 2630.00     | 08/07/87    | 3950.00     |
|                  |       |                             |                         | 09/16/87    | 4750.00     | 09/17/87    | 1900.00     | 09/17/87    | 4110.00     |
|                  |       |                             |                         | 10/05/87    | 4480.00     | 10/14/87    | 1980.00     | 10/07/87    | 4420.00     |
|                  |       |                             |                         | 12/15/87    | 4570.00     | 12/16/87    | 2010.00     | 12/22/87    | 3900.00     |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/09/87    | 0.19        | 07/15/87    | 0.18        | 07/13/87    | 0.20        |
|                  |       |                             |                         |             | { 0.17 }    |             | { 0.16 }    |             | { 0.18 }    |
|                  |       |                             |                         | 08/05/87    |             | 08/07/87    |             | 08/07/87    |             |
|                  |       |                             |                         | 09/16/87    |             | 09/17/87    | 0.16        | 09/17/87    | 0.15        |
|                  |       |                             |                         |             |             |             | { 0.15 }    |             | { 0.14 }    |
|                  |       |                             | 10/05/87                |             | 10/14/87    |             | 10/07/87    |             |             |
|                  |       |                             | 12/15/87                |             | 12/16/87    |             | 12/22/87    |             |             |
| SODIUM           | PPB   | 100.00                      |                         | 07/09/87    | 4860.00     | 07/15/87    | 8540.00     | 07/13/87    | 7500.00     |
|                  |       |                             |                         | 08/05/87    | 4920.00     | 08/07/87    | 6370.00     | 08/07/87    | 7530.00     |
|                  |       |                             |                         | 09/16/87    | 4120.00     | 09/17/87    | 8000.00     | 09/17/87    | 7460.00     |
|                  |       |                             |                         | 10/05/87    | 3070.00     | 10/14/87    | 5930.00     | 10/07/87    | 7320.00     |
|                  |       |                             |                         | 12/15/87    | 4960.00     | 12/16/87    | 6360.00     | 12/22/87    | 7760.00     |
| SULFATE          | PPB   | 500.00                      |                         | 07/09/87    | 25300.00    | 07/15/87    | 32300.00    | 07/13/87    | 36600.00    |
|                  |       |                             |                         | 08/05/87    | 25100.00    | 08/07/87    | 33300.00    | 08/07/87    | 40700.00    |
|                  |       |                             |                         | 09/16/87    | 25500.00    | 09/17/87    | 33600.00    | 09/17/87    | 43300.00    |
|                  |       |                             |                         | 10/05/87    | 28000.00    | 10/14/87    | 34600.00    | 10/07/87    | 42000.00    |
|                  |       |                             |                         | 12/15/87    | 24700.00    | 12/16/87    | 33900.00    | 12/22/87    | 42800.00    |
| TC               | PPB   |                             |                         | 10/05/87    | 24700.00 0  | 10/14/87    | 22300.00 0  | 10/07/87    | 23700.00 0  |
|                  |       |                             |                         | 12/15/87    | 33000.00 0  | 12/16/87    | 23900.00 0  | 12/22/87    | 22800.00 0  |
| TDS              |       |                             |                         | 10/05/87    | 182000.00 0 | 10/14/87    | 165000.00 0 | 10/07/87    | 211000.00 0 |
|                  |       |                             |                         | 12/15/87    | 173000.00 0 | 12/16/87    | 187000.00 0 | 12/22/87    | 228000.00 0 |
| TOC              | PPB   | 1000.00                     |                         | 07/09/87    |             | 07/15/87    |             | 07/13/87    |             |
|                  |       |                             |                         | 08/05/87    | 2020.00     | 08/07/87    |             | 08/07/87    |             |
|                  |       |                             |                         | 09/16/87    |             | 09/17/87    |             | 09/17/87    |             |

C.249

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE  | 1-H4-12C                                  | SAMPLE DATE  | 1-H4-13                                 | SAMPLE DATE  | 1-H4-14                       |
|------------------|-------|-----------------------------|-------------------------|--|---|--|---|--|-------------------------------|
| TDC              | PPB   | 1000.00                     |                         | 10/05/87<br>12/15/87                                     |   | 10/14/87<br>12/16/87                                     |   | 10/07/87<br>12/22/87                                     |                               |
| VANADUM          | PPB   | 5.00                        |                         | 07/09/87<br>08/05/87<br>09/16/87<br>10/05/87<br>12/15/87 | 10.00<br>19.00<br>29.00<br>25.00<br>22.00 | 07/15/87<br>08/07/87<br>09/17/87<br>10/14/87<br>12/16/87 | 7.00<br>5.00<br>5.00                    | 07/13/87<br>08/07/87<br>09/17/87<br>10/07/87<br>12/22/87 | 7.00<br>10.00<br>8.00         |
| ZINC             | PPB   | 5.00                        |                         | 07/09/87<br>08/05/87<br>09/16/87<br>10/05/87<br>12/15/87 | 10.00<br>7.00<br>14.00<br>11.00<br>25.00  | 07/15/87<br>08/07/87<br>09/17/87<br>10/14/87<br>12/16/87 | 12.00<br>0.00<br>10.00<br>8.00<br>12.00 | 07/13/87<br>08/07/87<br>09/17/87<br>10/07/87<br>12/22/87 | 5.00<br>12.00<br>5.00<br>0.00 |

C.250

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |       |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|-------|
|                  |       |                             |                         | 1-H4-15A    |          | 1-H4-15B    |          | 1-H4-16     |          |       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/13/87    | 2.03     | 07/13/87    | 1.80     | 07/15/87    | 1.44     |       |
|                  |       |                             |                         |             | { 1.32}  |             | { 1.25}  |             | { 1.01}  |       |
|                  |       |                             |                         | 08/06/87    | 1.03     | 08/06/87    | 1.47     | 08/07/87    | 1.43     |       |
|                  |       |                             |                         |             | { 0.98}  |             | { 1.09}  |             | { 1.06}  |       |
|                  |       |                             |                         | 09/18/87    | 1.53     | 09/18/87    | 1.49     | 09/16/87    | 0.96     |       |
|                  |       |                             |                         |             | { 1.13}  |             | { 1.17}  |             | { 0.86}  |       |
|                  |       |                             |                         | 10/07/87    | 1.13     | 10/07/87    | 1.23     | 10/13/87    | 1.02     |       |
|                  |       |                             |                         |             | { 0.98}  |             | { 0.92}  |             | { 0.88}  |       |
|                  |       |                             |                         | 12/14/87    | 2.18     | 12/14/87    | 1.27     | 12/23/87    |          |       |
|                  |       |                             |                         |             | { 1.31}  |             | { 1.11}  |             |          |       |
| AMMONIU          | PPB   | 50.00                       |                         | 07/13/87    | 57.00    | 07/13/87    |          | 07/15/87    |          |       |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    |          | 08/07/87    |          |       |
|                  |       |                             |                         | 09/18/87    | 54.00    | 09/18/87    | 54.00    | 09/16/87    |          |       |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |       |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    |          | 12/23/87    |          |       |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 07/13/87    |          | 07/13/87    |          | 07/15/87    |          |       |
|                  |       |                             |                         |             | 08/06/87 |             | 08/06/87 |             | 08/07/87 |       |
|                  |       |                             |                         |             | 09/18/87 |             | 09/18/87 |             | 09/16/87 |       |
|                  |       |                             |                         |             | 10/07/87 |             | 10/07/87 | 5.00        | 10/13/87 |       |
|                  |       |                             |                         |             | 12/14/87 |             | 12/14/87 |             | 12/23/87 |       |
| BARIUM           | PPB   | 0.00                        | 1000.00                 | 07/13/87    | 09.00    | 07/13/87    | 110.00   | 07/15/87    | 28.00    |       |
|                  |       |                             |                         |             | 08/06/87 | 91.00       | 08/06/87 | 117.00      | 08/07/87 | 21.00 |
|                  |       |                             |                         |             | 09/18/87 | 04.00       | 09/18/87 | 113.00      | 09/16/87 | 28.00 |
|                  |       |                             |                         |             | 10/07/87 | 05.00       | 10/07/87 | 101.00      | 10/13/87 | 20.00 |
|                  |       |                             |                         |             | 12/14/87 | 09.00       | 12/14/87 | 115.00      | 12/23/87 | 24.00 |
| BETA             | PCI/L | 0.00                        | 50.00                   | 07/13/87    | 7.47     | 07/13/87    | 7.59     | 07/15/87    | 18.70    |       |
|                  |       |                             |                         |             | { 3.07}  |             | { 3.80}  |             | { 4.88}  |       |
|                  |       |                             |                         | 08/06/87    | 5.54     | 08/06/87    | 13.20    | 08/07/87    | 17.50    |       |
|                  |       |                             |                         |             | { 3.53}  |             | { 4.44}  |             | { 4.74}  |       |
|                  |       |                             |                         | 09/18/87    | 11.40    | 09/18/87    | 9.54     | 09/16/87    | 22.00    |       |
|                  |       |                             |                         |             | { 4.19}  |             | { 4.30}  |             | { 4.92}  |       |
|                  |       |                             |                         | 10/07/87    | 10.10    | 10/07/87    | 4.27     | 10/13/87    | 16.80    |       |
|                  |       |                             |                         |             | { 4.06}  |             | { 3.35}  |             | { 4.58}  |       |
|                  |       |                             |                         | 12/14/87    | 9.06     | 12/14/87    | 8.11     | 12/23/87    | 8.90     |       |
|                  |       |                             |                         |             | { 4.06}  |             | { 3.94}  |             | { 3.77}  |       |

C.251

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-15A    | 1-H4-15B | 1-H4-15C    | 1-H4-15D | 1-H4-15E    |          |
| CALCIUM          | PPB   | 50.00                       |                         | 07/13/87    | 51700.00 | 07/13/87    | 47300.00 | 07/15/87    | 42200.00 |
|                  |       |                             |                         | 08/06/87    | 42700.00 | 08/06/87    | 41600.00 | 08/07/87    | 34700.00 |
|                  |       |                             |                         | 09/18/87    | 49200.00 | 09/18/87    | 50100.00 | 09/18/87    | 41800.00 |
|                  |       |                             |                         | 10/07/87    | 48300.00 | 10/07/87    | 43500.00 | 10/13/87    | 37600.00 |
|                  |       |                             |                         | 12/14/87    | 57700.00 | 12/14/87    | 52100.00 | 12/23/87    | 44500.00 |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 07/13/87    | 13.00    | 07/13/87    | 11.00    | 07/15/87    | 34.00    |
|                  |       |                             |                         | 08/06/87    | 14.00    | 08/06/87    | 13.00    | 08/07/87    | 37.00    |
|                  |       |                             |                         | 09/18/87    | 11.00    | 09/18/87    | 12.00    | 09/18/87    | 26.00    |
|                  |       |                             |                         | 10/07/87    | 10.00    | 10/07/87    | 10.00    | 10/13/87    | 22.00    |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    |          | 12/23/87    | 30.00    |
| CHLDRID          | PPB   | 500.00                      |                         | 07/13/87    | 5850.00  | 07/13/87    | 5470.00  | 07/15/87    | 5800.00  |
|                  |       |                             |                         | 08/06/87    | 5520.00  | 08/06/87    | 5150.00  | 08/07/87    | 6230.00  |
|                  |       |                             |                         | 09/18/87    | 5760.00  | 09/18/87    | 5340.00  | 09/18/87    | 4720.00  |
|                  |       |                             |                         | 10/07/87    | 5000.00  | 10/07/87    | 5450.00  | 10/13/87    | 5310.00  |
|                  |       |                             |                         | 12/14/87    | 6270.00  | 12/14/87    | 5620.00  | 12/23/87    | 5590.00  |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 07/13/87    | 157.00 * | 07/13/87    | 143.00 * | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    | 155.00 * | 08/06/87    | 157.00 * | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 136.00 * | 09/18/87    | 154.00 * | 09/18/87    |          |
|                  |       |                             |                         | 10/07/87    | 132.00 * | 10/07/87    | 133.00 * | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    | 148.00 * | 12/14/87    | 145.00 * | 12/23/87    | 18.00    |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/13/87    | 309.00   | 07/13/87    | 337.00   | 07/15/87    | 199.00   |
|                  |       |                             |                         | 08/06/87    | 324.00   | 08/06/87    | 298.00   | 08/07/87    | 190.00   |
|                  |       |                             |                         | 09/18/87    | 400.00   | 09/18/87    | 380.00   | 09/18/87    | 271.00   |
|                  |       |                             |                         | 10/07/87    | 340.00   | 10/07/87    | 329.00   | 10/13/87    | 240.00   |
|                  |       |                             |                         | 12/14/87    | 310.00   | 12/14/87    | 344.00   | 12/23/87    | 295.00   |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/13/87    | 89.00    | 07/13/87    | 111.00   | 07/15/87    | 22.00    |
|                  |       |                             |                         | 08/06/87    | 80.00    | 08/06/87    | 106.00   | 08/07/87    | 24.00    |
|                  |       |                             |                         | 09/18/87    | 82.00    | 09/18/87    | 107.00   | 09/18/87    | 23.00    |
|                  |       |                             |                         | 10/07/87    | 89.00    | 10/07/87    | 115.00   | 10/13/87    | 21.00    |
|                  |       |                             |                         | 12/14/87    | 94.00    | 12/14/87    | 123.00   | 12/23/87    | 24.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 07/13/87    | 51400.00 | 07/13/87    | 48800.00 | 07/15/87    | 48800.00 |
|                  |       |                             |                         | 08/06/87    | 43600.00 | 08/06/87    | 41200.00 | 08/07/87    | 38500.00 |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-16A    | 1-H4-16B | 1-H4-16A    | 1-H4-16B | 1-H4-16A    | 1-H4-16B |
| FCALCIU          | PPB   | 50.00                       |                         | 09/18/87    | 50100.00 | 09/18/87    | 47300.00 | 09/18/87    | 39800.00 |
|                  |       |                             |                         | 10/07/87    | 48100.00 | 10/07/87    | 48800.00 | 10/13/87    | 37200.00 |
|                  |       |                             |                         | 12/14/87    | 58700.00 | 12/14/87    | 56000.00 | 12/23/87    | 42100.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/13/87    | 155.00 * | 07/13/87    | 149.00 * | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    | 147.00 * | 08/06/87    | 153.00 * | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | 140.00 * | 09/18/87    | 145.00 * | 09/18/87    |          |
|                  |       |                             |                         | 10/07/87    | 141.00 * | 10/07/87    | 155.00 * | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    | 147.00 * | 12/14/87    | 151.00 * | 12/23/87    | 11.00    |
| FIRON            | PPB   | 50.00                       |                         | 07/13/87    | 70.00    | 07/13/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/18/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    |          | 12/23/87    |          |
| FLEAD            | PPB   | 5.00                        | 50.00                   | 07/13/87    |          | 07/13/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    | 5.00     | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/18/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    |          | 12/23/87    |          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/13/87    | 10600.00 | 07/13/87    | 11200.00 | 07/15/87    | 4900.00  |
|                  |       |                             |                         | 08/06/87    | 10500.00 | 08/06/87    | 11000.00 | 08/07/87    | 5550.00  |
|                  |       |                             |                         | 09/18/87    | 10100.00 | 09/18/87    | 10500.00 | 09/18/87    | 4700.00  |
|                  |       |                             |                         | 10/07/87    | 10500.00 | 10/07/87    | 11700.00 | 10/13/87    | 5000.00  |
|                  |       |                             |                         | 12/14/87    | 11700.00 | 12/14/87    | 12200.00 | 12/23/87    | 5820.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 07/13/87    |          | 07/13/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/18/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    | 5.00     | 12/23/87    |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/13/87    | 5140.00  | 07/13/87    | 5170.00  | 07/15/87    | 2700.00  |
|                  |       |                             |                         | 08/06/87    | 5370.00  | 08/06/87    | 5210.00  | 08/07/87    | 2810.00  |
|                  |       |                             |                         | 09/18/87    | 5470.00  | 09/18/87    | 5330.00  | 09/18/87    | 2600.00  |
|                  |       |                             |                         | 10/07/87    | 5360.00  | 10/07/87    | 6010.00  | 10/13/87    | 3030.00  |
|                  |       |                             |                         | 12/14/87    | 5090.00  | 12/14/87    | 4820.00  | 12/23/87    | 3000.00  |

C.253

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-15A    |          | 1-H4-15B    |          | 1-H4-16     |          |
| FSODIUM          | PPB   | 100.00                      |                         | 07/13/87    | 10900.00 | 07/13/87    | 10100.00 | 07/15/87    | 4030.00  |
|                  |       |                             |                         | 08/06/87    | 10900.00 | 08/06/87    | 10100.00 | 08/07/87    | 4700.00  |
|                  |       |                             |                         | 09/18/87    | 10800.00 | 09/18/87    | 10700.00 | 09/16/87    | 4350.00  |
|                  |       |                             |                         | 10/07/87    | 10500.00 | 10/07/87    | 11000.00 | 10/13/87    | 5340.00  |
|                  |       |                             |                         | 12/14/87    | 11000.00 | 12/14/87    | 10200.00 | 12/23/87    | 5130.00  |
| FYANADI          | PPB   | 5.00                        |                         | 07/13/87    | 10.00    | 07/13/87    | 14.00    | 07/15/87    | 6.00     |
|                  |       |                             |                         | 08/06/87    | 11.00    | 08/06/87    | 8.00     | 08/07/87    | 5.00     |
|                  |       |                             |                         | 09/18/87    | 9.00     | 09/18/87    | 10.00    | 09/16/87    |          |
|                  |       |                             |                         | 10/07/87    | 7.00     | 10/07/87    | 10.00    | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    |          | 12/23/87    |          |
| FZINC            | PPB   | 5.00                        |                         | 07/13/87    |          | 07/13/87    | 35.00    | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    | 20.00    | 08/07/87    | 5.00     |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    | 20.00    | 09/16/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    | 27.00    | 10/13/87    | 45.00    |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    | 24.00    | 12/23/87    |          |
| IRON             | PPB   | 50.00                       |                         | 07/13/87    | 540.00   | 07/13/87    | 90.00    | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/16/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    | 50.00    | 12/14/87    |          | 12/23/87    | 04.00    |
| MAGNES           | PPB   | 0.00                        |                         | 07/13/87    | 10000.00 | 07/13/87    | 10900.00 | 07/15/87    | 5170.00  |
|                  |       |                             |                         | 08/06/87    | 10000.00 | 08/06/87    | 11300.00 | 08/07/87    | 5000.00  |
|                  |       |                             |                         | 09/18/87    | 9520.00  | 09/18/87    | 10500.00 | 09/16/87    | 4800.00  |
|                  |       |                             |                         | 10/07/87    | 10000.00 | 10/07/87    | 9790.00  | 10/13/87    | 4970.00  |
|                  |       |                             |                         | 12/14/87    | 11200.00 | 12/14/87    | 11400.00 | 12/23/87    | 5390.00  |
| MANGESE          | PPB   | 5.00                        |                         | 07/13/87    |          | 07/13/87    |          | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    |          | 08/06/87    |          | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    |          | 09/18/87    |          | 09/16/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    |          | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    | 5.00     | 12/23/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/13/87    | 20400.00 | 07/13/87    | 23200.00 | 07/15/87    | 15900.00 |
|                  |       |                             |                         | 08/06/87    | 29600.00 | 08/06/87    | 24400.00 | 08/07/87    | 18800.00 |

C.254

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 1-H4-16A    | 1-H4-16B | 1-H4-16A    | 1-H4-16B | 1-H4-16A    | 1-H4-16B |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 09/18/87    | 28100.00 | 09/18/87    | 24800.00 | 09/16/87    | 5320.00  |
|                  |       |                             |                         | 10/07/87    | 28900.00 | 10/07/87    | 25500.00 | 10/13/87    | 6550.00  |
|                  |       |                             |                         | 12/14/87    | 30500.00 | 12/14/87    | 20500.00 | 12/23/87    | 13000.00 |
| PH-LAB           |       | 0.01                        |                         | 10/07/87    | 7.45     | 10/07/87    | 7.74     | 10/13/87    | 7.73     |
|                  |       |                             |                         | 12/14/87    | 7.69     | 12/14/87    | 7.69     | 12/23/87    | 7.62     |
| PHFIELD          |       | 0.10                        |                         | 07/13/87    | 6.50     | 07/13/87    | 6.20     | 07/15/87    | 7.30     |
|                  |       |                             |                         | 08/06/87    | 6.70     | 08/06/87    | 6.70     | 08/07/87    | 7.60     |
|                  |       |                             |                         | 09/18/87    | 7.40     | 09/18/87    | 7.50     | 09/16/87    | 7.00     |
|                  |       |                             |                         | 10/07/87    | 7.00     | 10/07/87    | 7.00     | 10/13/87    | 5.90     |
|                  |       |                             |                         | 12/14/87    | 7.40     | 12/14/87    | 7.50     | 12/23/87    | 9.10     |
| POTASUM          | PPB   | 100.00                      |                         | 07/13/87    | 5400.00  | 07/13/87    | 5090.00  | 07/15/87    | 2670.00  |
|                  |       |                             |                         | 08/06/87    | 5330.00  | 08/06/87    | 5420.00  | 08/07/87    | 2670.00  |
|                  |       |                             |                         | 09/18/87    | 5100.00  | 09/18/87    | 5110.00  | 09/16/87    | 2550.00  |
|                  |       |                             |                         | 10/07/87    | 5520.00  | 10/07/87    | 5120.00  | 10/13/87    | 2610.00  |
|                  |       |                             |                         | 12/14/87    | 5080.00  | 12/14/87    | 4940.00  | 12/23/87    | 2660.00  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/13/87    |          | 07/13/87    | 0.19     | 07/15/87    |          |
|                  |       |                             |                         | 08/06/87    | 0.18     | 08/06/87    | { 0.17 } | 08/07/87    |          |
|                  |       |                             |                         | 09/18/87    | { 0.15 } | 09/18/87    | { 0.16 } | 09/16/87    |          |
|                  |       |                             |                         | 10/07/87    |          | 10/07/87    | { 0.15 } | 10/13/87    |          |
|                  |       |                             |                         | 12/14/87    |          | 12/14/87    | { 0.25 } | 12/23/87    |          |
|                  |       |                             |                         |             | { 0.17 } |             |          |             |          |
| SODIUM           | PPB   | 100.00                      |                         | 07/13/87    | 11400.00 | 07/13/87    | 9810.00  | 07/15/87    | 4000.00  |
|                  |       |                             |                         | 08/06/87    | 11400.00 | 08/06/87    | 11300.00 | 08/07/87    | 4440.00  |
|                  |       |                             |                         | 09/18/87    | 10000.00 | 09/18/87    | 10100.00 | 09/16/87    | 4100.00  |
|                  |       |                             |                         | 10/07/87    | 9500.00  | 10/07/87    | 9090.00  | 10/13/87    | 4000.00  |
|                  |       |                             |                         | 12/14/87    | 10700.00 | 12/14/87    | 10400.00 | 12/23/87    | 4450.00  |
| SULFATE          | PPB   | 500.00                      |                         | 07/13/87    | 40400.00 | 07/13/87    | 43000.00 | 07/15/87    | 27300.00 |
|                  |       |                             |                         | 08/06/87    | 46300.00 | 08/06/87    | 45100.00 | 08/07/87    | 29800.00 |
|                  |       |                             |                         | 09/18/87    | 49500.00 | 09/18/87    | 47300.00 | 09/16/87    | 24800.00 |

C.255

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 1-H4-15A    |             | 1-H4-15B    |             | 1-H4-16     |             |
| SULFATE          | PPB   | 500.00                      |                         | 10/07/87    | 49600.00    | 10/07/87    | 45800.00    | 10/13/87    | 25800.00    |
|                  |       |                             |                         | 12/14/87    | 55800.00    | 12/14/87    | 49100.00    | 12/23/87    | 26900.00    |
| TC               | PPB   |                             |                         | 10/07/87    | 31200.00 0  | 10/07/87    | 30900.00 0  | 10/13/87    | 23700.00 0  |
|                  |       |                             |                         | 12/14/87    | 32000.00 0  | 12/14/87    | 31300.00 0  | 12/23/87    | 21200.00 0  |
| TDS              |       |                             |                         | 10/07/87    | 287000.00 0 | 10/07/87    | 256000.00 0 | 10/13/87    | 173000.00 0 |
|                  |       |                             |                         | 12/14/87    | 284000.00 0 | 12/14/87    | 301000.00 0 | 12/23/87    | 158000.00 0 |
| VANADIUM         | PPB   | 5.00                        |                         | 07/13/87    | 10.00       | 07/13/87    | 8.00        | 07/15/87    | 7.00        |
|                  |       |                             |                         | 08/08/87    | 9.00        | 08/08/87    | 9.00        | 08/07/87    | 6.00        |
|                  |       |                             |                         | 09/10/87    | 9.00        | 09/10/87    | 11.00       | 09/16/87    | 5.00        |
|                  |       |                             |                         | 10/07/87    | 5.00        | 10/07/87    | 8.00        | 10/13/87    | 8.00        |
|                  |       |                             |                         | 12/14/87    | 5.00        | 12/14/87    | 8.00        | 12/23/87    |             |
|                  |       |                             |                         |             |             |             |             |             |             |
| ZINC             | PPB   | 5.00                        |                         | 07/13/87    |             | 07/13/87    | 40.00       | 07/15/87    | 5.00        |
|                  |       |                             |                         | 08/08/87    |             | 08/08/87    | 27.00       | 08/07/87    |             |
|                  |       |                             |                         | 09/10/87    | 8.00        | 09/10/87    | 30.00       | 09/16/87    |             |
|                  |       |                             |                         | 10/07/87    | 8.00        | 10/07/87    | 21.00       | 10/13/87    |             |
|                  |       |                             |                         | 12/14/87    | 8.00        | 12/14/87    | 28.00       | 12/28/87    |             |
|                  |       |                             |                         |             |             |             |             |             |             |

C.256

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-17  |  | SAMPLE DATE | 1-H4-18 |           | SAMPLE DATE | 1-N-2     |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|--|-------------|---------|-----------|-------------|-----------|
|                  |          |                             |                         |             |          |  |             |         |           |             |           |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 08/10/87    | 1.04     |  | 07/14/87    | 3.02    |           | 12/16/87    |           |
|                  |          |                             |                         |             | { 1.67 } |  | { 1.03 }    |         |           |             |           |
|                  |          |                             |                         | 09/17/87    | 4.31     |  | 08/08/87    | 2.30    |           |             | NR        |
|                  |          |                             |                         |             | { 1.90 } |  | { 1.20 }    |         |           |             |           |
|                  |          |                             |                         | 10/14/87    | 1.77     |  | 09/15/87    | 2.18    |           |             | NR        |
|                  | { 1.38 } |                             | { 1.31 }                |             |          |  |             |         |           |             |           |
|                  |          |                             |                         | 12/28/87    | 2.17     |  | 10/13/87    | 2.63    |           |             | NR        |
|                  |          |                             |                         |             | { 1.64 } |  | { 1.35 }    |         |           |             |           |
|                  |          |                             |                         |             | NR       |  | 12/23/87    | 1.58    |           |             | NR        |
|                  |          |                             |                         |             |          |  | { 1.10 }    |         |           |             |           |
| ALUMNUM          | PPB      | 150.00                      |                         | 08/10/87    | 10100.00 |  | 07/14/87    |         |           | 12/16/87    | 194.00    |
|                  |          |                             |                         |             | 1080.00  |  | 08/08/87    |         |           |             | NR        |
|                  |          |                             |                         | 10/14/87    | 300.00   |  | 09/15/87    |         |           |             | NR        |
|                  |          |                             |                         |             | 910.00   |  | 10/13/87    |         |           |             | NR        |
|                  |          |                             |                         | 12/28/87    | NR       |  | 12/23/87    |         |           |             | NR        |
| AMMONIU          | PPB      | 50.00                       |                         | 08/10/87    |          |  | 07/14/87    |         |           |             | NR        |
|                  |          |                             |                         |             | 54.00    |  | 08/08/87    |         |           |             | NR        |
|                  |          |                             |                         | 10/14/87    |          |  | 09/15/87    |         |           |             | NR        |
|                  |          |                             |                         |             | NR       |  | 10/13/87    |         |           |             | NR        |
|                  |          |                             |                         | 12/28/87    |          |  | 12/23/87    |         |           |             | NR        |
| BARIUM           | PPB      | 8.00                        | 1000.00                 | 08/10/87    | 153.00   |  | 07/14/87    | 42.00   |           | 12/16/87    | 26.00     |
|                  |          |                             |                         |             | 81.00    |  | 08/08/87    | 36.00   |           |             | NR        |
|                  |          |                             |                         | 10/14/87    | 80.00    |  | 09/15/87    | 32.00   |           |             | NR        |
|                  |          |                             |                         |             | 84.00    |  | 10/13/87    | 35.00   |           |             | NR        |
|                  |          |                             |                         | 12/28/87    | NR       |  | 12/23/87    | 34.00   |           |             | NR        |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 08/10/87    | 18.10    |  | 07/14/87    | 20.00   |           | 12/16/87    | 1130.00 * |
|                  |          |                             |                         |             | { 4.85 } |  | { 5.02 }    |         | { 29.40 } |             |           |
|                  |          |                             |                         | 09/17/87    | 15.00    |  | 08/08/87    | 25.40   |           |             | NR        |
|                  |          |                             |                         |             | { 4.78 } |  | { 5.57 }    |         |           |             |           |
|                  |          |                             |                         | 10/14/87    | 5.95     |  | 09/15/87    | 14.90   |           |             | NR        |
|                  | { 3.79 } |                             | { 4.72 }                |             |          |  |             | NR      |           |             |           |
|                  |          |                             |                         | 12/28/87    | 9.42     |  | 10/13/87    | 17.60   |           |             | NR        |
|                  |          |                             |                         |             | { 4.17 } |  | { 4.73 }    |         |           |             |           |
|                  |          |                             |                         |             | NR       |  | 12/23/87    | 15.10   |           |             | NR        |
|                  |          |                             |                         |             |          |  | { 4.49 }    |         |           |             |           |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.257



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-17     |          | 1-H4-18     |          | 1-N-2       |                    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|--------------------|
|                  |       |                             |                         | SAMPLE DATE | 1-H4-17  | SAMPLE DATE | 1-H4-18  | SAMPLE DATE | 1-N-2              |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 08/10/87    |          | 07/14/87    |          | 12/16/87    |                    |
|                  |       |                             |                         | 09/17/87    |          | 08/06/87    |          |             | NR                 |
|                  |       |                             |                         | 10/14/87    |          | 09/15/87    |          |             | NR                 |
|                  |       |                             |                         | 12/28/87    | 3.00     | 10/13/87    |          |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    |          |             | NR                 |
| CALCIUM          | PPB   | 50.00                       |                         | 08/10/87    | 59300.00 | 07/14/87    | 49000.00 | 12/16/87    | 28700.00           |
|                  |       |                             |                         | 09/17/87    | 72000.00 | 08/06/87    | 38200.00 |             | NR                 |
|                  |       |                             |                         | 10/14/87    | 70300.00 | 09/15/87    | 47000.00 |             | NR                 |
|                  |       |                             |                         | 12/28/87    | 90100.00 | 10/13/87    | 43500.00 |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    | 60900.00 |             | NR                 |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/10/87    | 13.00    | 07/14/87    | 29.00    | 12/16/87    |                    |
|                  |       |                             |                         | 09/17/87    |          | 08/06/87    | 33.00    |             | NR                 |
|                  |       |                             |                         | 10/14/87    | 11.00    | 09/15/87    | 20.00    |             | NR                 |
|                  |       |                             |                         | 12/28/87    |          | 10/13/87    | 25.00    |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    | 24.00    |             | NR                 |
| CHLORID          | PPB   | 500.00                      |                         | 08/10/87    | 8800.00  | 07/14/87    | 5040.00  | 12/16/87    | 1200.00            |
|                  |       |                             |                         | 09/17/87    | 9640.00  | 08/06/87    | 4750.00  |             | NR                 |
|                  |       |                             |                         | 10/14/87    | 10300.00 | 09/15/87    | 5230.00  |             | NR                 |
|                  |       |                             |                         | 12/28/87    | 10900.00 | 10/13/87    | 5100.00  |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    | 4850.00  |             | NR                 |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 08/10/87    | 100.00 * | 07/14/87    | 202.00 * | 12/16/87    |                    |
|                  |       |                             |                         | 09/17/87    | 53.00 *  | 08/06/87    | 260.00 * |             | NR                 |
|                  |       |                             |                         | 10/14/87    | 50.00 *  | 09/15/87    | 237.00 * |             | NR                 |
|                  |       |                             |                         | 12/28/87    | 80.00 *  | 10/13/87    | 253.00 * |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    | 285.00 * |             | NR                 |
| CO-60            | PCI/L | 22.50                       | 100.00                  |             | NR       |             | NR       | 09/11/87    | 30.30<br>{ 15.40 } |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 08/10/87    |          | 07/14/87    |          | 12/16/87    |                    |
|                  |       |                             |                         | 09/17/87    |          | 08/06/87    |          |             | NR                 |
|                  |       |                             |                         | 10/14/87    | 2.20 *   | 09/15/87    |          |             | NR                 |
|                  |       |                             |                         | 12/28/87    |          | 10/13/87    |          |             | NR                 |
|                  |       |                             |                         |             |          | 12/23/87    |          |             | NR                 |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.258

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-17     |          | 1-H4-18     |          | 1-N-2       |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/10/87    | 523.00   | 07/14/87    | 239.00   | 12/10/87    | 202.00   |
|                  |       |                             |                         | 09/17/87    | 480.00   | 08/06/87    | 307.00   |             | NR       |
|                  |       |                             |                         | 10/14/87    |          | 09/15/87    | 325.00   |             | NR       |
|                  |       |                             |                         | 12/20/87    | 555.00   | 10/13/87    | 299.00   |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 353.00   | NR          |          |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/10/87    | 30.00    | 07/14/87    |          | 12/10/87    |          |
|                  |       |                             |                         | 09/17/87    |          | 08/06/87    |          |             | NR       |
|                  |       |                             |                         | 10/14/87    |          | 09/15/87    |          |             | NR       |
|                  |       |                             |                         | 12/20/87    | 10.00    | 10/13/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    |          | NR          |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/10/87    | 88.00    | 07/14/87    | 39.00    | 12/10/87    | 25.00    |
|                  |       |                             |                         | 10/14/87    | 74.00    | 08/06/87    | 37.00    |             | NR       |
|                  |       |                             |                         | 12/20/87    | 73.00    | 09/15/87    | 29.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    | 35.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 34.00    | NR          |          |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/10/87    |          | 07/14/87    |          | 12/10/87    | 2.00     |
|                  |       |                             |                         | 10/14/87    |          | 08/06/87    |          |             | NR       |
|                  |       |                             |                         | 12/20/87    |          | 09/15/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    |          | NR          |          |
| FCALCIU          | PPB   | 50.00                       |                         | 08/10/87    | 57900.00 | 07/14/87    | 49700.00 | 12/10/87    | 27700.00 |
|                  |       |                             |                         | 10/14/87    | 77700.00 | 08/06/87    | 39400.00 |             | NR       |
|                  |       |                             |                         | 12/20/87    | 78500.00 | 09/15/87    | 48300.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    | 42300.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 47100.00 | NR          |          |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 08/10/87    | 33.00    | 07/14/87    | 257.00 * | 12/10/87    |          |
|                  |       |                             |                         | 10/14/87    | 50.00    | 08/06/87    | 242.00 * |             | NR       |
|                  |       |                             |                         | 12/20/87    | 07.00 *  | 09/15/87    | 248.00 * |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    | 240.00 * |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 263.00 * | NR          |          |
| FIRON            | PPB   | 50.00                       |                         | 08/10/87    | 200.00   | 07/14/87    |          | 12/10/87    |          |
|                  |       |                             |                         | 10/14/87    | 97.00    | 08/06/87    |          |             | NR       |

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 1-H4-17        |          | 1-H4-18        |          |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|
|                     |       |                                   |                               | SAMPLE<br>DATE | 1-H4-17  | SAMPLE<br>DATE | 1-H4-18  |
| FIRON               | PPB   | 50.00                             |                               | 12/28/87       |          | 09/15/87       |          |
|                     |       |                                   |                               |                | NR       | 10/13/87       |          |
|                     |       |                                   |                               |                | NR       | 12/23/87       |          |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 08/10/87       |          | 07/14/87       |          |
|                     |       |                                   |                               | 09/17/87       |          | 08/06/87       | 12/16/87 |
|                     |       |                                   |                               | 10/14/87       |          | 09/15/87       |          |
|                     |       |                                   |                               | 12/28/87       | 507.00   | 10/13/87       |          |
|                     |       |                                   |                               |                | NR       | 12/23/87       |          |
| FMAGNES             | PPB   | 0.00                              |                               | 08/10/87       | 13900.00 | 07/14/87       | 0530.00  |
|                     |       |                                   |                               | 10/14/87       | 15200.00 | 08/06/87       | 0020.00  |
|                     |       |                                   |                               | 12/28/87       | 15400.00 | 09/15/87       | 0020.00  |
|                     |       |                                   |                               |                | NR       | 10/13/87       | 0240.00  |
|                     |       |                                   |                               |                | NR       | 12/23/87       | 0640.00  |
| FMANGAN             | PPB   | 5.00                              |                               | 08/10/87       | 19.00    | 07/14/87       |          |
|                     |       |                                   |                               | 10/14/87       | 7.00     | 08/06/87       | 6.00     |
|                     |       |                                   |                               | 12/28/87       |          | 09/15/87       |          |
|                     |       |                                   |                               |                | NR       | 10/13/87       |          |
|                     |       |                                   |                               |                | NR       | 12/23/87       |          |
| FNICKEL             | PPB   | 10.00                             |                               | 08/10/87       | 15.00    | 07/14/87       |          |
|                     |       |                                   |                               | 10/14/87       |          | 08/06/87       | 12/16/87 |
|                     |       |                                   |                               | 12/28/87       |          | 09/15/87       |          |
|                     |       |                                   |                               |                | NR       | 10/13/87       |          |
|                     |       |                                   |                               |                | NR       | 12/23/87       |          |
| FPDTASS             | PPB   | 100.00                            |                               | 08/10/87       | 7520.00  | 07/14/87       | 3020.00  |
|                     |       |                                   |                               | 10/14/87       | 8010.00  | 08/06/87       | 3870.00  |
|                     |       |                                   |                               | 12/28/87       | 7550.00  | 09/15/87       | 3000.00  |
|                     |       |                                   |                               |                | NR       | 10/13/87       | 4500.00  |
|                     |       |                                   |                               |                | NR       | 12/23/87       | 4370.00  |
| FSODIUM             | PPB   | 100.00                            |                               | 08/10/87       | 10200.00 | 07/14/87       | 10200.00 |
|                     |       |                                   |                               | 10/14/87       | 17300.00 | 08/06/87       | 9300.00  |
|                     |       |                                   |                               | 12/28/87       | 18100.00 | 09/15/87       | 9350.00  |
|                     |       |                                   |                               |                | NR       | 10/13/87       | 10500.00 |
|                     |       |                                   |                               |                | NR       | 12/23/87       | 11200.00 |

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-17     |          | 1-H4-18     |         | 1-N-2       |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|---------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE   | SAMPLE DATE | VALUE    |
| FSTRONT          | PPB   | 300.00                      |                         | 08/10/87    | 337.00   | 07/14/87    |         |             | NR       |
|                  |       |                             |                         | 10/14/87    | 363.00   | 08/08/87    |         |             | NR       |
|                  |       |                             |                         | 12/28/87    | 375.00   | 09/15/87    |         |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    |         |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    |         |             | NR       |
| FYANADI          | PPB   | 5.00                        |                         | 08/10/87    | 8.00     | 07/14/87    |         | 12/16/87    |          |
|                  |       |                             |                         | 10/14/87    |          | 08/08/87    | 6.00    |             | NR       |
|                  |       |                             |                         | 12/28/87    |          | 09/15/87    | 6.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    | 6.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 7.00    |             | NR       |
| FZINC            | PPB   | 5.00                        |                         | 08/10/87    |          | 07/14/87    | 9.00    | 12/16/87    |          |
|                  |       |                             |                         | 10/14/87    | 7.00     | 08/08/87    | 7.00    |             | NR       |
|                  |       |                             |                         | 12/28/87    | 5.00     | 09/15/87    | 5.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/13/87    | 7.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 5.00    |             | NR       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR       |             | NR      | 09/11/87    | 31500.00 |
| IRON             | PPB   | 50.00                       |                         | 08/10/87    | 15000.00 | 07/14/87    | 427.00  | 12/16/87    | 366.00   |
|                  |       |                             |                         | 09/17/87    | 1740.00  | 08/08/87    |         |             | NR       |
|                  |       |                             |                         | 10/14/87    | 528.00   | 09/15/87    | 113.00  |             | NR       |
|                  |       |                             |                         | 12/28/87    | 1630.00  | 10/13/87    | 59.00   |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 127.00  |             | NR       |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 08/10/87    | 16.00    | 07/14/87    |         | 12/16/87    | 13.00    |
|                  |       |                             |                         | 09/17/87    |          | 08/08/87    |         |             | NR       |
|                  |       |                             |                         | 10/14/87    |          | 09/15/87    |         |             | NR       |
|                  |       |                             |                         | 12/28/87    | 13.00    | 10/13/87    |         |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    |         |             | NR       |
| MAGNES           | PPB   | 0.00                        |                         | 08/10/87    | 17000.00 | 07/14/87    | 8570.00 | 12/16/87    | 4700.00  |
|                  |       |                             |                         | 09/17/87    | 13100.00 | 08/08/87    | 7990.00 |             | NR       |
|                  |       |                             |                         | 10/14/87    | 13900.00 | 09/15/87    | 7670.00 |             | NR       |
|                  |       |                             |                         | 12/28/87    | 16400.00 | 10/13/87    | 8070.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/23/87    | 8610.00 |             | NR       |
| MANGESE          | PPB   | 5.00                        |                         | 08/10/87    | 326.00   | 07/14/87    | 18.00   | 12/16/87    | 11.00    |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-17    | SAMPLE DATE | 1-H4-18  | SAMPLE DATE | 1-N-2            |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|----------|-------------|------------------|
| MANGESE          | PPB   | 5.00                        |                         | 09/17/87    | 35.00      | 08/08/87    |          |             | NR               |
|                  |       |                             |                         | 10/14/87    | 11.00      | 09/15/87    |          |             | NR               |
|                  |       |                             |                         | 12/20/87    | 33.00      | 10/13/87    |          |             | NR               |
|                  |       |                             |                         |             | NR         | 12/23/87    |          |             | NR               |
| METHYCH          | PPB   | 10.00                       |                         | 08/10/87    |            | 07/14/87    |          | 12/16/87    |                  |
|                  |       |                             |                         | 09/17/87    |            | 08/08/87    |          |             | NR               |
|                  |       |                             |                         | 10/14/87    |            | 09/15/87    |          |             | NR               |
|                  |       |                             |                         | 12/20/87    | 49.00      | 10/13/87    |          |             | NR               |
|                  |       | NR                          |                         | 12/23/87    |            |             | NR       |             |                  |
| NI-63            | PCI/L | 10.00                       | 50.00                   |             | NR         |             | NR       | 09/11/87    | { 4.00<br>2.00 } |
| NICKEL           | PPB   | 10.00                       |                         | 08/10/87    | 63.00      | 07/14/87    |          | 12/16/87    |                  |
|                  |       |                             |                         | 09/17/87    |            | 08/08/87    |          |             | NR               |
|                  |       |                             |                         | 10/14/87    |            | 09/15/87    |          |             | NR               |
|                  |       |                             |                         | 12/20/87    |            | 10/13/87    |          |             | NR               |
|                  |       | NR                          |                         | 12/23/87    |            |             | NR       |             |                  |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/10/87    | 47000.00 * | 07/14/87    | 25000.00 | 12/16/87    | 34000.00         |
|                  |       |                             |                         | 09/17/87    | 42200.00   | 08/08/87    | 26000.00 |             | NR               |
|                  |       |                             |                         | 10/14/87    | 42100.00   | 09/15/87    | 23000.00 |             | NR               |
|                  |       |                             |                         | 12/20/87    | 40500.00 * | 10/13/87    | 23000.00 |             | NR               |
|                  |       | NR                          |                         | 12/23/87    | 20100.00   |             | NR       |             |                  |
| PH-LAB           |       | 0.01                        |                         | 10/14/87    | 7.40       | 10/13/87    | 7.57     |             | NR               |
|                  |       |                             |                         | 12/20/87    | 7.50       | 12/23/87    | 7.57     |             | NR               |
| PHFIELD          |       | 0.10                        |                         | 08/10/87    | 7.20       | 07/14/87    | 7.00     | 12/16/87    | 7.40             |
|                  |       |                             |                         | 09/17/87    | 6.90       | 08/08/87    | 7.10     |             | NR               |
|                  |       |                             |                         | 10/14/87    |            | 09/15/87    | 7.40     |             | NR               |
|                  |       |                             |                         | 12/20/87    | 7.70       | 10/13/87    | 5.70     |             | NR               |
|                  |       | NR                          |                         | 12/23/87    | 8.40       |             | NR       |             |                  |
| POTASUM          | PPB   | 100.00                      |                         | 08/10/87    | 8900.00    | 07/14/87    | 4140.00  | 12/16/87    | 1550.00          |
|                  |       |                             |                         | 09/17/87    | 8920.00    | 08/08/87    | 4000.00  |             | NR               |
|                  |       |                             |                         | 10/14/87    | 6000.00    | 09/15/87    | 3020.00  |             | NR               |
|                  |       |                             |                         | 12/20/87    | 7100.00    | 10/13/87    | 3050.00  |             | NR               |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-H4-17          | SAMPLE DATE | 1-H4-18          | SAMPLE DATE | 1-N-2                  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------------|
| POTASUM          | PPB   | 100.00                      |                         |             | NR               | 12/23/87    | 3980.00          |             | NR                     |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/10/87    | { 1.30<br>0.34 } | 07/14/87    | { 0.31<br>0.20 } | 12/10/87    |                        |
|                  |       |                             |                         | 09/17/87    | { 0.44<br>0.22 } | 08/08/87    |                  |             | NR                     |
|                  |       |                             |                         | 10/14/87    |                  | 09/15/87    |                  |             | NR                     |
|                  |       |                             |                         | 12/28/87    | { 0.53<br>0.24 } | 10/13/87    |                  |             | NR                     |
|                  |       |                             |                         |             | NR               | 12/23/87    |                  |             | NR                     |
| SODIUM           | PPB   | 100.00                      |                         | 08/10/87    | 17200.00         | 07/14/87    | 16000.00         | 12/10/87    | 2540.00                |
|                  |       |                             |                         | 09/17/87    | 14800.00         | 08/08/87    | 10200.00         |             | NR                     |
|                  |       |                             |                         | 10/14/87    | 14200.00         | 09/15/87    | 8230.00          |             | NR                     |
|                  |       |                             |                         | 12/28/87    | 10800.00         | 10/13/87    | 6550.00          |             | NR                     |
|                  |       |                             |                         |             | NR               | 12/23/87    | 9780.00          |             | NR                     |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR               |             | NR               | 09/11/87    | 1270.00 +<br>{ 10.00 } |
| STRONUM          | PPB   | 300.00                      |                         | 08/10/87    | 300.00           | 07/14/87    |                  |             | NR                     |
|                  |       |                             |                         | 09/17/87    | 330.00           | 08/08/87    |                  |             | NR                     |
|                  |       |                             |                         | 10/14/87    | 333.00           | 09/15/87    |                  |             | NR                     |
|                  |       |                             |                         | 12/28/87    | 400.00           | 10/13/87    |                  |             | NR                     |
|                  |       |                             |                         |             | NR               | 12/23/87    |                  |             | NR                     |
| SULFATE          | PPB   | 500.00                      |                         | 08/10/87    | 81000.00         | 07/14/87    | 38900.00         | 12/10/87    | 11000.00               |
|                  |       |                             |                         | 09/17/87    | 90500.00         | 08/08/87    | 30100.00         |             | NR                     |
|                  |       |                             |                         | 10/14/87    | 93700.00         | 09/15/87    | 30100.00         |             | NR                     |
|                  |       |                             |                         | 12/28/87    | 93700.00         | 10/13/87    | 38800.00         |             | NR                     |
|                  |       |                             |                         |             | NR               | 12/23/87    | 37300.00         |             | NR                     |
| TC               | PPB   |                             |                         | 10/14/87    | 37200.00 0       | 10/13/87    | 28900.00 0       |             | NR                     |
|                  |       |                             |                         | 12/28/87    | 35000.00 0       | 12/23/87    | 26500.00 0       |             | NR                     |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR               |             | NR               | 09/11/87    | 12.20<br>{ 1.11 }      |
| TDS              |       |                             |                         | 10/14/87    | 358000.00 0      | 10/13/87    | 215000.00 0      |             | NR                     |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 1-H4-17     |             | 1-H4-18     |             | 1-N-2       |                          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE       | SAMPLE DATE | VALUE                    |
| TDS              |       |                             |                         | 12/28/87    | 384000.00 0 | 12/23/87    | 221000.00 0 |             | NR                       |
| TOC              | PPB   | 1000.00                     |                         | 08/10/87    | 1300.00     | 07/14/87    |             |             | NR                       |
|                  |       |                             |                         | 09/17/87    | 1020.00     | 08/06/87    |             |             | NR                       |
|                  |       |                             |                         | 10/14/87    | 1050.00     | 09/15/87    |             |             | NR                       |
|                  |       |                             |                         | 12/28/87    |             | 10/13/87    |             |             | NR                       |
|                  |       |                             |                         |             | NR          | 12/23/87    |             |             | NR                       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR          |             | NR          | 09/11/87    | 61000.00 *<br>{ 954.00 } |
| VANADUM          | PPB   | 5.00                        |                         | 08/10/87    | 32.00       | 07/14/87    | 10.00       | 12/16/87    |                          |
|                  |       |                             |                         | 09/17/87    | 7.00        | 08/06/87    |             |             | NR                       |
|                  |       |                             |                         | 10/14/87    |             | 09/15/87    | 8.00        |             | NR                       |
|                  |       |                             |                         | 12/28/87    |             | 10/13/87    |             |             | NR                       |
|                  |       |                             |                         |             | NR          | 12/23/87    |             |             | NR                       |
| ZINC             | PPB   | 5.00                        |                         | 08/10/87    | 45.00       | 07/14/87    | 24.00       | 12/16/87    | 9.00                     |
|                  |       |                             |                         | 09/17/87    | 12.00       | 08/06/87    | 5.00        |             | NR                       |
|                  |       |                             |                         | 10/14/87    | 11.00       | 09/15/87    | 7.00        |             | NR                       |
|                  |       |                             |                         | 12/28/87    | 14.00       | 10/13/87    | 12.00       |             | NR                       |
|                  |       |                             |                         |             | NR          | 12/23/87    | 7.00        |             | NR                       |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-3                         | SAMPLE DATE | 1-N-4                       | SAMPLE DATE          | 1-N-14   |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------------------|-------------|-----------------------------|----------------------|--|
| ALKALIN          |       |                             |                         |             | NR                            |             | NR                          | 08/03/87             | 01800.00 0                                       |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/16/87    | { 1.97<br>1.43 }<br>NR        | 12/16/87    | { 1.60<br>1.02 }<br>NR      | 08/03/87<br>12/16/87 |  |
| ALUMNUM          | PPB   | 150.00                      |                         | 12/16/87    | 357.00                        | 12/16/87    | 820.00                      | 12/16/87             |  |
| BARIUM           | PPB   | 0.00                        | 1000.00                 | 12/16/87    | 85.00                         | 12/16/87    | 33.00                       | 12/16/87             | 17.00  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/16/87    | 4300.00 +<br>{ 120.00 }<br>NR | 12/16/87    | 181.00 +<br>{ 12.00 }<br>NR | 08/03/87<br>12/16/87 | 2790.00 +<br>{ 46.50 }<br>2370.00 +<br>{ 83.80 } |
| C 14             | PCI/L |                             |                         |             | NR                            |             | NR                          | 08/03/87             | 232.00 0<br>{ 4.74 }                             |
| CALCIUM          | PPB   | 50.00                       |                         | 12/16/87    | 75800.00                      | 12/16/87    | 32000.00                    | 12/16/87             | 31200.00   |
| CHLORID          | PPB   | 500.00                      |                         | 12/16/87    | 5990.00<br>NR                 | 12/16/87    | 1250.00<br>NR               | 08/03/87<br>12/16/87 | 1160.00<br>900.00                                |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 12/16/87    | 11.00                         | 12/16/87    | 21.00                       | 12/16/87             |  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/11/87    | 22.20<br>{ 18.10 }            | 07/23/87    | 60.30<br>{ 18.50 }          | 08/03/87             | 65.20<br>{ 18.30 }                               |
|                  |       |                             |                         | 11/22/87    | { 18.30<br>12.20 }            | 11/22/87    | { 170.00 *<br>28.00 }       | 11/01/87             | 100.00<br>{ 20.70 }                              |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 12/16/87    | 16.00 *                       | 12/16/87    |                             | 12/16/87             |  |
| CONDFLD          | UMHD  | 1.00                        |                         | 12/16/87    | 400.00<br>NR                  | 12/16/87    | 210.00<br>NR                | 08/03/87<br>12/16/87 | 192.00<br>200.00                                 |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 12/16/87    | 22.00                         | 12/16/87    |                             | 12/16/87             |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/11/87    |                               | 07/23/87    |                             | 08/03/87             |  |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-3            | SAMPLE DATE          | 1-N-4                | SAMPLE DATE          | 1-N-14               |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|----------------------|----------------------|----------------------|----------------------|
| CS-137           | PCI/L | 20.00                       | 200.00                  | 11/22/87    | { 7.52<br>4.75 } | 11/22/87             | { 6.95<br>6.14 }     | 11/01/87             |                      |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 12/16/87    | 04.00<br>NR      | 12/16/87             | 27.00<br>NR          | 08/03/87<br>12/16/87 | 17.00<br>20.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 12/16/87    | 72000.00<br>NR   | 12/16/87             | 30500.00<br>NR       | 08/03/87<br>12/16/87 | 25200.00<br>28800.00 |
| FIRON            | PPB   | 50.00                       |                         | 12/16/87    | 04.00<br>NR      | 12/16/87             | NR                   | 08/03/87<br>12/16/87 |                      |
| FMAGNES          | PPB   | 0.00                        |                         | 12/16/87    | 12500.00<br>NR   | 12/16/87             | 5510.00<br>NR        | 08/03/87<br>12/16/87 | 4000.00<br>5010.00   |
| FMANGAN          | PPB   | 5.00                        |                         | 12/16/87    | 21.00<br>NR      | 12/16/87             | NR                   | 08/03/87<br>12/16/87 |                      |
| FPOTASS          | PPB   | 100.00                      |                         | 12/16/87    | 3000.00<br>NR    | 12/16/87             | 3050.00<br>NR        | 08/03/87<br>12/16/87 | 1000.00<br>1000.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 12/16/87    | 10900.00<br>NR   | 12/16/87             | 4420.00<br>NR        | 08/03/87<br>12/16/87 | 3670.00<br>3010.00   |
| FVANADI          | PPB   | 5.00                        |                         | 12/16/87    | NR               | 12/16/87             | 0.00<br>NR           | 08/03/87<br>12/16/87 | 0.00<br>7.00         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR<br>NR         | 07/23/87<br>11/22/87 | 10400.00<br>33400.00 |                      | NR<br>NR             |
| I-129            | PCI/L |                             | 500.00                  |             | NR               |                      | NR                   | 09/10/87             | { 0.01<br>0.00 }     |
| IRON             | PPB   | 50.00                       |                         | 12/16/87    | 2000.00          | 12/16/87             | 3000.00              | 12/16/87             | 100.00               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             | NR               |                      | NR                   | 08/03/87             | 151.00               |
| MAGNES           | PPB   | 0.00                        |                         | 12/16/87    | 11900.00         | 12/16/87             | 5440.00              | 12/16/87             | 4870.00              |
| MANGESE          | PPB   | 5.00                        |                         | 12/16/87    | 111.00           | 12/16/87             | 73.00                | 12/16/87             |                      |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 1-N-3  | SAMPLE DATE          | 1-N-4  | SAMPLE DATE          | 1-N-14   |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|----------------------|--|----------------------|--|
| MI-83            | PCI/L | 10.00                       | 50.00                   |                      | NR   |                      | NR   | 08/03/87             | 1.95<br>{ 0.99}  |
| NICKEL           | PPB   | 10.00                       |                         | 12/16/87             |  | 12/16/87             | 33.00  | 12/16/87             |  |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/16/87             | 26600.00<br>NR                                     | 12/16/87             | 33600.00<br>NR   | 08/03/87<br>12/16/87 | 40300.00<br>30300.00                                   |
| PH-LAB           |       | 0.01                        |                         |                      | NR   |                      | NR   | 08/03/87             | 7.92   |
| PHFIELD          |       | 0.10                        |                         | 12/16/87             | 6.50<br>NR   | 12/16/87             | 7.20<br>NR   | 08/03/87<br>12/16/87 | 6.70<br>7.00   |
| POTASUM          | PPB   | 100.00                      |                         | 12/16/87             | 2540.00  | 12/16/87             | 2680.00  | 12/16/87             | 1620.00  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 12/16/87             | 0.37<br>{ 0.20}                                    | 12/16/87             |  | 12/16/87             |  |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 09/11/87<br>11/22/87 |  | 07/23/87<br>11/22/87 | 115.00 *<br>{ 62.70}                                   | 08/03/87<br>11/01/87 |  |
| SODIUM           | PPB   | 100.00                      |                         | 12/16/87             | 8630.00  | 12/16/87             | 3700.00  | 12/16/87             | 3340.00  |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 09/11/87<br>11/22/87 | 1350.00 *<br>{ 10.10}<br>1480.00 *<br>{ 00.00}     | 07/23/87<br>11/22/87 | 11.10 *<br>{ 1.01}<br>14.30 *<br>{ 1.91}               | 08/03/87             | 1170.00 *<br>{ 54.00}<br>NR                            |
| SULFATE          | PPB   | 500.00                      |                         | 12/16/87             | 138000.00<br>NR                                    | 12/16/87             | 13200.00<br>NR   | 08/03/87<br>12/16/87 | 11200.00<br>10300.00                                   |
| TC               | PPB   |                             |                         |                      | NR   |                      | NR   | 08/03/87             | 14300.00 0   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/11/87<br>11/22/87 | 56000.00 *<br>{ 910.00}<br>54200.00 *<br>{ 772.00} | 07/23/87<br>11/22/87 | 102000.00 *<br>{ 1050.00}<br>130000.00 *<br>{ 1370.00} | 08/03/87<br>11/01/87 | 117000.00 *<br>{ 1290.00}<br>110000.00 *<br>{ 1320.00} |

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |       | SAMPLE DATE |       | SAMPLE DATE |       |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|-------|-------------|-------|-------------|-------|
|                     |       |                                   |                               | 1-N-3       | 1-N-4 | 1-N-3       | 1-N-4 | 1-N-3       | 1-N-4 |
| VANADUM             | PPB   | 5.00                              |                               | 12/16/87    |       | 12/16/87    | 9.00  | 12/16/87    |       |
| ZINC                | PPB   | 5.00                              |                               | 12/16/87    | 8.00  | 12/16/87    | 82.00 | 12/16/87    | 9.00  |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE           |          | SAMPLE DATE            | 1-N-31                |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------------|----------|------------------------|-----------------------|
|                  |       |                             |                         |             | 1-N-27                | 1-N-29   |                        |                       |
| ALKALIN          |       |                             |                         |             | NR                    | 08/03/87 | 44600.00 0             | NR                    |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 45200.00 0             | NR                    |
| AMMONIU          | PPB   | 50.00                       |                         |             | NR                    | 08/03/87 | 2900.00                | NR                    |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 1190.00                | NR                    |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/14/87    | 5.00                  |          | NR                     | 12/11/87              |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 12/14/87    | 16.00                 |          | NR                     | 12/11/87              |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/14/87    | 480.00 +<br>{ 19.00 } | 08/03/87 | 1700.00 +<br>{ 30.30 } | 12/11/87              |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 1140.00 +<br>{ 28.00 } | 240.00 +<br>{ 13.80 } |
| C 14             | PCI/L |                             |                         |             | NR                    | 08/03/87 | 40.00 0<br>{ 2.67 }    | NR                    |
| CALCIUM          | PPB   | 50.00                       |                         | 12/14/87    | 22400.00              |          | NR                     | 12/11/87              |
| CHLDRID          | PPB   | 500.00                      |                         | 12/14/87    | 603.00                | 08/03/87 | 803.00                 | 12/11/87              |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 504.00                 | NR                    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    | 150.00 +<br>{ 25.20 } | 08/03/87 | 254.00 +<br>{ 32.20 }  | 09/11/87              |
|                  |       |                             |                         | 11/22/87    | 377.00 +<br>{ 43.40 } | 11/22/87 | 157.00 +<br>{ 25.20 }  | 11/01/87              |
| CONDFLD          | UMHO  | 1.00                        |                         | 12/14/87    | 1300.00               | 08/03/87 | 161.00                 | NR                    |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 120.00                 | NR                    |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/14/87    | 6.00                  | 08/03/87 |                        | 12/11/87              |
|                  |       |                             |                         |             | NR                    | 11/22/87 |                        | NR                    |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 12/14/87    | 10.00                 | 08/03/87 | 12.00                  | 12/11/87              |
|                  |       |                             |                         |             | NR                    | 11/22/87 | 14.00                  | 13.00                 |
| FCALCIU          | PPB   | 50.00                       |                         | 12/14/87    | 20000.00              | 08/03/87 | 17000.00               | 12/11/87              |
|                  |       |                             |                         |             |                       |          |                        | 22300.00              |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                  |       |                             |                         | 1-N-27               | 1-N-29               | 1-N-27               | 1-N-29               | 1-N-31               |                      |
| FCALCIU          | PPB   | 50.00                       |                         |                      |                      | 11/22/87             | 16400.00             |                      | NR                   |
| FMAGNES          | PPB   | 0.00                        |                         | 12/14/87             | 3940.00<br>NR        | 08/03/87<br>11/22/87 | 3470.00<br>2980.00   | 12/11/87             | 3650.00<br>NR        |
| FPOTASS          | PPB   | 100.00                      |                         | 12/14/87             | 2920.00<br>NR        | 08/03/87<br>11/22/87 | 3320.00<br>3030.00   | 12/11/87             | 2410.00<br>NR        |
| FSODIUM          | PPB   | 100.00                      |                         | 12/14/87             | 2500.00<br>NR        | 08/03/87<br>11/22/87 | 2740.00<br>2120.00   | 12/11/87             | 2100.00<br>NR        |
| FVANADI          | PPB   | 5.00                        |                         | 12/14/87             | 15.00<br>NR          | 08/03/87<br>11/22/87 | 12.00<br>19.00       | 12/11/87             | 12.00<br>NR          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87<br>11/22/87 | 34900.00<br>20800.00 |                      | NR<br>NR             | 09/11/87<br>11/01/87 | 05500.00<br>27100.00 |
| I-129            | PCI/L |                             | 500.00                  |                      | NR                   | 09/10/87             | { 0.01<br>0.00 }     |                      | NR                   |
| IRON             | PPB   | 50.00                       |                         | 12/14/87             |                      |                      | NR                   | 12/11/87             | 140.00               |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |                      | NR<br>NR             | 08/03/87<br>11/22/87 | 71.00<br>104.00      |                      | NR<br>NR             |
| MAGNES           | PPB   | 0.00                        |                         | 12/14/87             | 4100.00              |                      | NR                   | 12/11/87             | 3700.00              |
| NI-63            | PCI/L | 10.00                       | 50.00                   |                      | NR                   | 08/03/87             | { 4.00<br>2.00 }     |                      | NR                   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/14/87             | 23700.00<br>NR       | 08/03/87<br>11/22/87 | 33400.00<br>18100.00 | 12/11/87             | 20800.00<br>NR       |
| PH-LAB           |       | 0.01                        |                         |                      | NR<br>NR             | 08/03/87<br>11/22/87 | 8.28<br>8.12         |                      | NR<br>NR             |
| PHFIELD          |       | 0.10                        |                         | 12/14/87             | 8.10<br>NR           | 08/03/87<br>11/22/87 | 7.70<br>7.00         |                      | NR<br>NR             |
| POTASUM          | PPB   | 100.00                      |                         | 12/14/87             | 3290.00              |                      | NR                   | 12/11/87             | 2000.00              |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-27                     | SAMPLE DATE          | 1-N-29                     | SAMPLE DATE | 1-N-31                     |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------------|----------------------|----------------------------|-------------|----------------------------|
| RU-108           | PCI/L | 172.50                      | 30.00                   | 07/23/87    |                            | 08/03/87             |                            | 09/11/87    | 123.00 *                   |
|                  |       |                             |                         | 11/22/87    |                            | 11/22/87             | 131.00 +<br>{ 63.70 }      | 11/01/87    | { 110.00 }                 |
| SB 125           | PCI/L |                             |                         | 11/22/87    | 202.00 0<br>{ 41.30 }      | 11/22/87             | 188.00 0<br>{ 39.40 }      | 09/11/87    | 150.00 0<br>{ 35.70 }      |
| SODIUM           | PPB   | 100.00                      |                         | 12/14/87    | 3310.00                    |                      | NR                         | 12/11/87    | 2400.00                    |
| SR 00            | PCI/L | 5.00                        | 8.00                    | 07/23/87    | 148.00 +<br>{ 6.46 }       | 08/03/87             | 669.00 +<br>{ 41.00 }      | 09/11/87    | 22.30 +<br>{ 2.56 }        |
|                  |       |                             |                         | 11/22/87    | 144.00 +<br>{ 6.02 }       |                      | NR                         | 11/01/87    | 21.70 +<br>{ 2.72 }        |
| SULFATE          | PPB   | 500.00                      |                         | 12/14/87    | 8900.00<br>NR              | 08/03/87<br>11/22/87 | 7720.00<br>3630.00         | 12/11/87    | 4630.00<br>NR              |
| TC               | PPB   |                             |                         |             | NR<br>NR                   | 08/03/87<br>11/22/87 | 9930.00 0<br>10000.00 0    |             | NR<br>NR                   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    | 127000.00 +<br>{ 1160.00 } | 08/03/87             | 111000.00 +<br>{ 1260.00 } | 09/11/87    | 141000.00 +<br>{ 1420.00 } |
|                  |       |                             |                         | 11/22/87    | 114000.00 +<br>{ 1280.00 } | 11/22/87             | 62200.00 +<br>{ 950.00 }   | 11/01/87    | 116000.00 +<br>{ 1120.00 } |
| VANADUM          | PPB   | 5.00                        |                         | 12/14/87    | 12.00                      |                      | NR                         | 12/11/87    | 0.00                       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-32                | SAMPLE DATE | 1-N-38                | SAMPLE DATE | 1-N-39                 |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------------|-------------|-----------------------|-------------|------------------------|
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/11/87    | 6.00                  | 12/11/87    |                       | 12/11/87    |                        |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 12/11/87    | 22.00                 | 12/11/87    | 16.00                 | 12/11/87    | 26.00                  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/11/87    | 288.00 *<br>{ 14.80 } | 12/11/87    | 434.00 *<br>{ 17.90 } | 12/11/87    | 1770.00 *<br>{ 36.40 } |
| CALCIUM          | PPB   | 50.00                       |                         | 12/11/87    | 29700.00              | 12/11/87    | 24900.00              | 12/11/87    | 33400.00               |
| CHLORID          | PPB   | 500.00                      |                         | 12/11/87    | 647.00                | 12/11/87    |                       | 12/11/87    | 906.00                 |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    | 200.00 *<br>{ 35.10 } | 07/23/87    | 203.00 *<br>{ 38.30 } | 07/23/87    | 134.00 *<br>{ 24.10 }  |
|                  |       |                             |                         | 11/01/87    | 554.00 *<br>{ 47.30 } | 11/01/87    | 322.00 *<br>{ 39.50 } | 11/01/87    | 227.00 *<br>{ 31.10 }  |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 12/11/87    |                       | 12/11/87    |                       | 12/11/87    | 16.00 *                |
| CONDFLD          | UMHD  | 1.00                        |                         | 12/11/87    | 205.00                | 12/11/87    | 1613.00               |             | NR                     |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/23/87    |                       | 07/23/87    |                       | 07/23/87    | 7.87<br>{ 4.43 }       |
|                  |       |                             |                         | 11/01/87    |                       | 11/01/87    |                       | 11/01/87    |                        |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/11/87    | 6.00                  | 12/11/87    |                       | 12/11/87    |                        |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 12/11/87    | 21.00                 | 12/11/87    | 19.00                 | 12/11/87    | 21.00                  |
| FCALCIU          | PPB   | 50.00                       |                         | 12/11/87    | 28900.00              | 12/11/87    | 23700.00              | 12/11/87    | 31800.00               |
| FMAGNES          | PPB   | 0.00                        |                         | 12/11/87    | 5720.00               | 12/11/87    | 4360.00               | 12/11/87    | 5820.00                |
| FPOTASS          | PPB   | 100.00                      |                         | 12/11/87    | 2920.00               | 12/11/87    | 1900.00               | 12/11/87    | 2720.00                |
| FSODIUM          | PPB   | 100.00                      |                         | 12/11/87    | 3150.00               | 12/11/87    | 2100.00               | 12/11/87    | 3500.00                |
| FVANADI          | PPB   | 5.00                        |                         | 12/11/87    | 15.00                 | 12/11/87    | 13.00                 | 12/11/87    | 14.00                  |
| FZINC            | PPB   | 5.00                        |                         | 12/11/87    |                       | 12/11/87    | 5.00                  | 12/11/87    |                        |

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 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPDSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-32      | SAMPLE DATE | 1-N-38      | SAMPLE DATE | 1-N-39      |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87    | 32700.00    | 07/23/87    | 38400.00    | 07/23/87    | 83300.00 *  |
|                  |       |                             |                         | 11/01/87    | 15300.00    | 11/01/87    | 22100.00    | 11/01/87    | 46800.00 *  |
| IRDN             | PPB   | 50.00                       |                         | 12/11/87    |             | 12/11/87    | 83.00       | 12/11/87    | 213.00      |
| MAGNES           | PPB   | 0.00                        |                         | 12/11/87    | 5870.00     | 12/11/87    | 4400.00     | 12/11/87    | 8120.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/11/87    | 50000.00 *  | 12/11/87    | 28800.00    | 12/11/87    | 54700.00 *  |
| PHFIELD          |       | 0.10                        |                         | 12/11/87    | 7.40        | 12/11/87    | 7.50        |             | NR          |
| POTASUM          | PPB   | 100.00                      |                         | 12/11/87    | 3090.00     | 12/11/87    | 2170.00     | 12/11/87    | 3000.00     |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/23/87    | 104.00 *    | 07/23/87    | 115.00 *    | 07/23/87    | 97.30 *     |
|                  |       |                             |                         |             | { 102.00 }  |             | { 109.00 }  |             | { 68.40 }   |
|                  |       |                             |                         | 11/01/87    | 98.40 *     | 11/01/87    |             | 11/01/87    |             |
|                  |       |                             |                         | { 91.20 }   |             |             |             |             |             |
| SB 125           | PCI/L |                             |                         |             | NR          | 11/01/87    | 224.00 0    |             | NR          |
|                  |       |                             |                         |             |             |             | { 45.40 }   |             |             |
| SODIUM           | PPB   | 100.00                      |                         | 12/11/87    | 2950.00     | 12/11/87    | 2270.00     | 12/11/87    | 3850.00     |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 07/23/87    | 5.13        | 07/23/87    | 110.00 *    | 07/23/87    | 10400.00 *  |
|                  |       |                             |                         |             | { 1.42 }    |             | { 5.79 }    |             | { 240.00 }  |
|                  |       |                             |                         | 11/01/87    | 7.10        | 11/01/87    | 135.00 *    | 11/01/87    | 898.00 *    |
|                  |       |                             |                         | { 1.71 }    |             | { 7.78 }    |             | { 92.80 }   |             |
| SULFATE          | PPB   | 500.00                      |                         | 12/11/87    | 7030.00     | 12/11/87    | 5190.00     | 12/11/87    | 9220.00     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    | 100000.00 * | 07/23/87    | 120000.00 * | 07/23/87    | 122000.00 * |
|                  |       |                             |                         |             | { 1240.00 } |             | { 1300.00 } |             | { 1300.00 } |
|                  |       |                             |                         | 11/01/87    | 215000.00 * | 11/01/87    | 150000.00 * | 11/01/87    | 102000.00 * |
|                  |       |                             |                         | { 1770.00 } |             | { 1510.00 } |             | { 1530.00 } |             |
| VANADUM          | PPB   | 5.00                        |                         | 12/11/87    | 14.00       | 12/11/87    | 11.00       | 12/11/87    | 10.00       |
| ZINC             | PPB   | 5.00                        |                         | 12/11/87    |             | 12/11/87    | 0.00        | 12/11/87    | 14.00       |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.273

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-41                | SAMPLE DATE | 1-N-42                | SAMPLE DATE          | 1-N-49                   |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------------|-------------|-----------------------|----------------------|--------------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/11/87    |                       | 12/14/87    |                       | 12/14/87             | { 0.95<br>0.93 }         |
| ALUMNUM          | PPB   | 150.00                      |                         | 12/11/87    |                       | 12/14/87    | 276.00                | 12/14/87             |                          |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/11/87    | 8.00                  | 12/14/87    | 8.00                  | 12/14/87             | 5.00                     |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 12/11/87    | 20.00                 | 12/14/87    | 23.00                 | 12/14/87             | 22.00                    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/11/87    | 126.00 *<br>{ 10.20 } | 12/14/87    | 127.00 *<br>{ 10.20 } | 12/14/87             | 134.00 *<br>{ 10.50 }    |
| CALCIUM          | PPB   | 50.00                       |                         | 12/11/87    | 23500.00              | 12/14/87    | 25700.00              | 12/14/87             | 32800.00                 |
| CHLORID          | PPB   | 500.00                      |                         | 12/11/87    | 855.00                | 12/14/87    | 1000.00               | 12/14/87             | 848.00                   |
| CONDFLD          | UMHO  | 1.00                        |                         |             | NR                    | 12/14/87    | 1519.00               | 12/14/87             | 1721.00                  |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 12/11/87    |                       | 12/14/87    | 38.00                 | 12/14/87             | 116.00                   |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/11/87    | 6.00                  | 12/14/87    | 7.00                  | 12/14/87             |                          |
| FBIARIUM         | PPB   | 6.00                        | 1000.00                 | 12/11/87    | 18.00                 | 12/14/87    | 18.00                 | 12/14/87             | 21.00                    |
| FCALCIU          | PPB   | 50.00                       |                         | 12/11/87    | 24000.00              | 12/14/87    | 23400.00              | 12/14/87             | 32100.00                 |
| FMAGNES          | PPB   | 0.00                        |                         | 12/11/87    | 5200.00               | 12/14/87    | 5420.00               | 12/14/87             | 6300.00                  |
| FPOTASS          | PPB   | 100.00                      |                         | 12/11/87    | 2640.00               | 12/14/87    | 2700.00               | 12/14/87             | 2660.00                  |
| FSODIUM          | PPB   | 100.00                      |                         | 12/11/87    | 4760.00               | 12/14/87    | 5530.00               | 12/14/87             | 3900.00                  |
| FVANADI          | PPB   | 5.00                        |                         | 12/11/87    | 22.00                 | 12/14/87    | 24.00                 | 12/14/87             | 15.00                    |
| FZINC            | PPB   | 5.00                        |                         | 12/11/87    | 8.00                  | 12/14/87    |                       | 12/14/87             | 12.00                    |
| HMITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR<br>NR              |             | NR<br>NR              | 07/23/87<br>11/01/87 | 82100.00 *<br>47500.00 * |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-41   | SAMPLE DATE | 1-N-42          | SAMPLE DATE | 1-N-49                                  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-----------------|-------------|---|
| IRON             | PPB   | 50.00                       |                         | 12/11/87    | 126.00   | 12/14/87    | 1900.00         | 12/14/87    | 127.00                                  |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 12/11/87    |          | 12/14/87    |                 | 12/14/87    | 23.00                                   |
| MAGNES           | PPB   | 0.00                        |                         | 12/11/87    | 5210.00  | 12/14/87    | 6020.00         | 12/14/87    | 6320.00                                 |
| MANGESE          | PPB   | 5.00                        |                         | 12/11/87    | 5.00     | 12/14/87    | 16.00           | 12/14/87    |   |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/11/87    | 34100.00 | 12/14/87    | 30200.00        | 12/14/87    | 55500.00 *                              |
| PHFIELD          |       | 0.10                        |                         |             | NR       | 12/14/87    | 7.50            | 12/14/87    | 7.40                                    |
| POTASUM          | PPB   | 100.00                      |                         | 12/11/87    | 2920.00  | 12/14/87    | 3150.00         | 12/14/87    | 2620.00                                 |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 12/11/87    |          | 12/14/87    | 0.18<br>{ 0.16} | 12/14/87    |   |
| SODIUM           | PPB   | 100.00                      |                         | 12/11/87    | 5330.00  | 12/14/87    | 6440.00         | 12/14/87    | 4300.00                                 |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR       |             | NR              | 07/23/87    | 1.37<br>{ 0.05}                         |
|                  |       |                             |                         |             | NR       |             | NR              | 11/01/87    |   |
| SULFATE          | PPB   | 500.00                      |                         | 12/11/87    | 10200.00 | 12/14/87    | 10000.00        | 12/14/87    | 10100.00                                |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR       |             | NR              | 07/23/87    | 105000.00 *                             |
|                  |       |                             |                         |             | NR       |             | NR              | 11/01/87    | { 1410.00}<br>117000.00 *<br>{ 1310.00} |
| VANADIUM         | PPB   | 5.00                        |                         | 12/11/87    | 10.00    | 12/14/87    | 20.00           | 12/14/87    | 12.00                                   |
| ZINC             | PPB   | 5.00                        |                         | 12/11/87    | 13.00    | 12/14/87    | 51.00           | 12/14/87    | 70.00                                   |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-52               |          | 1-N-58           |          | 1-N-59      |           |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|----------|------------------|----------|-------------|-----------|
|                  |       |                             |                         |             | SAMPLE DATE          | VALUE    | SAMPLE DATE      | VALUE    | SAMPLE DATE | VALUE     |
| ALUMNUM          | PPB   | 150.00                      |                         | 12/14/87    |                      | 12/04/87 |                  | 12/04/87 |             | 340.00    |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/14/87    | 7.00                 | 12/04/87 |                  | 12/04/87 |             |           |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 12/14/87    | 23.00                | 12/04/87 | 33.00            | 12/04/87 |             | 24.00     |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/14/87    | 113.00 +<br>{ 9.87 } | 12/04/87 | 7.94<br>{ 4.58 } | 12/04/87 |             |           |
| CALCIUM          | PPB   | 50.00                       |                         | 12/14/87    | 25700.00             | 12/04/87 | 41400.00         | 12/04/87 |             | 47000.00  |
| CHLORID          | PPB   | 500.00                      |                         | 12/14/87    | 1410.00              | 12/04/87 | 5760.00          | 12/04/87 |             | 5650.00   |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 12/14/87    |                      | 12/04/87 | 14.00            | 12/04/87 |             | 12.00     |
| CONDFLD          | UMHD  | 1.00                        |                         | 12/14/87    | 1400.00              | 12/04/87 | 1476.00          | 12/04/87 |             | 1623.00   |
| CONDLAB          | UMHD  |                             |                         |             | NR                   | 12/04/87 | 140.00           | 12/04/87 |             | 151.00    |
| FALUMIN          | PPB   | 150.00                      |                         | 12/14/87    |                      | 12/04/87 |                  | 12/04/87 |             | 215.00    |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 12/14/87    | 7.00                 | 12/04/87 |                  | 12/04/87 |             |           |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 12/14/87    | 28.00                | 12/04/87 | 29.00            | 12/04/87 |             | 23.00     |
| FCALCIU          | PPB   | 50.00                       |                         | 12/14/87    | 23100.00             | 12/04/87 | 43500.00         | 12/04/87 |             | 48100.00  |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/14/87    |                      | 12/04/87 | 1390.00          | 12/04/87 |             | 1520.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 12/14/87    | 6940.00              | 12/04/87 | 8050.00          | 12/04/87 |             | 10000.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 12/14/87    |                      | 12/04/87 |                  | 12/04/87 |             | 189.00    |
| FNICKEL          | PPB   | 10.00                       |                         | 12/14/87    |                      | 12/04/87 |                  | 12/04/87 |             | 10.00     |
| FPOTASS          | PPB   | 100.00                      |                         | 12/14/87    | 3880.00              | 12/04/87 | 3210.00          | 12/04/87 |             | 3580.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 12/14/87    | 7170.00              | 12/04/87 | 301000.00        | 12/04/87 |             | 290000.00 |

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\* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.

0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON

NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED

VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES

WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |  | SAMPLE DATE |           | SAMPLE DATE |           |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|-------------|-----------|-------------|-----------|
|                  |       |                             |                         | 1-N-52               | 1-N-58   | 1-N-58      | 1-N-59    |             |           |
| FVAMADI          | PPB   | 5.00                        |                         | 12/14/87             | 28.00  | 12/04/87    |           | 12/04/87    | 5.00      |
| FZINC            | PPB   | 5.00                        |                         | 12/14/87             |  | 12/04/87    | 7.00      | 12/04/87    | 28.00     |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/10/87<br>11/01/87 | 20300.00<br>20900.00                                   |             | NR<br>NR  |             | NR<br>NR  |
| IRON             | PPB   | 50.00                       |                         | 12/14/87             |  | 12/04/87    | 228.00    | 12/04/87    | 230.00    |
| MAGNES           | PPB   | 0.00                        |                         | 12/14/87             | 6810.00  | 12/04/87    | 7970.00   | 12/04/87    | 11200.00  |
| MANGESE          | PPB   | 5.00                        |                         | 12/14/87             |  | 12/04/87    | 9.00      | 12/04/87    | 180.00    |
| NICKEL           | PPB   | 10.00                       |                         | 12/14/87             |  | 12/04/87    |           | 12/04/87    | 11.00     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/14/87             | 26100.00   | 12/04/87    | 1720.00   | 12/04/87    | 1500.00   |
| PH-LAB           |       | 0.01                        |                         |                      | NR   | 12/04/87    | 7.50      | 12/04/87    | 6.47      |
| PHFIELD          |       | 0.10                        |                         | 12/14/87             | 7.10   | 12/04/87    | 7.00      | 12/04/87    | 6.20      |
| POTASUM          | PPB   | 100.00                      |                         | 12/14/87             | 3370.00  | 12/04/87    | 3400.00   | 12/04/87    | 3970.00   |
| SODIUM           | PPB   | 100.00                      |                         | 12/14/87             | 5800.00  | 12/04/87    | 272000.00 | 12/04/87    | 335000.00 |
| SULFATE          | PPB   | 500.00                      |                         | 12/14/87             | 13500.00   | 12/04/87    | 860000.00 | 12/04/87    | 780000.00 |
| TOC              | PPB   | 1000.00                     |                         |                      | NR   | 12/04/87    | 1030.00   | 12/04/87    | 1100.00   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/10/87<br>11/01/87 | 101000.00 *<br>{ 1210.00 }<br>88800.00 *<br>{ 983.00 } |             | NR<br>NR  |             | NR<br>NR  |
| VANADIUM         | PPB   | 5.00                        |                         | 12/14/87             | 27.00  | 12/04/87    |           | 12/04/87    |           |
| ZINC             | PPB   | 5.00                        |                         | 12/14/87             | 10.00  | 12/04/87    | 8.00      | 12/04/87    | 20.00     |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-88   | SAMPLE DATE | 1-N-81   | SAMPLE DATE | 2-E25-25 |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 12/04/87    |          | 12/04/87    |          | 07/01/87    | 1.04     |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | { 0.88}  |
| ALUMNUM          | PPB   | 150.00                      |                         | 12/04/87    | 274.00   | 12/04/87    |          | 07/01/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    |          |
| AM-241           | PCI/L | 0.10                        | 30.00                   |             |          |             |          |             |          |
|                  |       |                             |                         |             | NR       |             | NR       | 07/01/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | { 0.02}  |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 12/04/87    |          | 12/04/87    |          | 07/01/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | 5.00     |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 12/04/87    | 20.00    | 12/04/87    | 60.00    | 07/01/87    | 19.00    |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | 19.00    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/04/87    |          | 12/04/87    | 8.62     | 07/01/87    | 5.54     |
|                  |       |                             |                         |             | NR       |             | { 5.11}  | 09/30/87    | { 3.41}  |
|                  |       |                             |                         |             |          |             | NR       |             | { 7.57}  |
|                  |       |                             |                         |             |          |             |          |             | { 3.63}  |
| CALCIUM          | PPB   | 50.00                       |                         | 12/04/87    | 54000.00 | 12/04/87    | 81000.00 | 07/01/87    | 17500.00 |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | 15900.00 |
| CHLORID          | PPB   | 500.00                      |                         | 12/04/87    | 5720.00  | 12/04/87    | 3860.00  | 07/01/87    | 3040.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | 2580.00  |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 12/04/87    | 15.00    | 12/04/87    | 20.00    | 07/01/87    |          |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    |          |
| CO-60            | PCI/L | 22.50                       | 100.00                  |             |          |             |          |             |          |
|                  |       |                             |                         |             | NR       |             | NR       | 07/01/87    | 0.07     |
|                  |       |                             |                         |             | NR       |             | NR       | 09/30/87    | { 5.43}  |
| CONDFLD          | UMHD  | 1.00                        |                         | 12/04/87    | 1552.00  | 12/04/87    | 1502.00  | 07/01/87    | 135.00   |
|                  |       |                             |                         |             | NR       |             | NR       | 07/01/87    | 135.00   |
|                  |       |                             |                         |             | NR       |             | NR       | 07/01/87    | 135.00   |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.278

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-86    | SAMPLE DATE | 1-N-81    | SAMPLE DATE | 2-E26-26 |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|-----------|-------------|----------|
| CONDFLD          | UMHD  | 1.00                        |                         |             | NR        |             | NR        | 07/01/87    | 130.00   |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | 151.00   |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | 151.00   |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | 151.00   |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | 151.00   |
| CONDLAB          | UMHD  |                             |                         | 12/04/87    | 150.00 *  | 12/04/87    | 141.00 *  |             | NR       |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR        |             | NR        | 07/01/87    | 7.00     |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | { 6.03 } |
| FALUMIN          | PPB   | 150.00                      |                         | 12/04/87    | 225.00    | 12/04/87    |           | 07/01/87    |          |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 12/04/87    | 28.00     | 12/04/87    | 50.00     | 07/01/87    | 19.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 12/04/87    | 55000.00  | 12/04/87    | 95300.00  | 07/01/87    | 10200.00 |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/04/87    | 1010.00   | 12/04/87    | 1470.00   | 07/01/87    |          |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    |          |
| FMAGNES          | PPB   | 0.00                        |                         | 12/04/87    | 12000.00  | 12/04/87    | 10200.00  | 07/01/87    | 5490.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 12/04/87    | 239.00    | 12/04/87    | 127.00    | 07/01/87    |          |
| FNICKEL          | PPB   | 10.00                       |                         | 12/04/87    | 12.00     | 12/04/87    | 10.00     | 07/01/87    |          |
| FPO TASS         | PPB   | 100.00                      |                         | 12/04/87    | 3040.00   | 12/04/87    | 2970.00   | 07/01/87    | 3010.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 12/04/87    | 203000.00 | 12/04/87    | 292000.00 | 07/01/87    | 7550.00  |
| FVANADI          | PPB   | 5.00                        |                         | 12/04/87    |           | 12/04/87    |           | 07/01/87    | 10.00    |
| FZINC            | PPB   | 5.00                        |                         | 12/04/87    | 13.00     | 12/04/87    | 18.00     | 07/01/87    | 8.00     |
| IRON             | PPB   | 50.00                       |                         | 12/04/87    | 100.00    | 12/04/87    | 102.00    | 07/01/87    | 293.00   |
|                  |       |                             |                         |             | NR        |             | NR        | 09/30/87    | 249.00   |
| MAGNES           | PPB   | 0.00                        |                         | 12/04/87    | 12700.00  | 12/04/87    | 10600.00  | 07/01/87    | 5310.00  |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-88   | SAMPLE DATE | 1-N-81   | SAMPLE DATE  | 2-E25-25   |
|------------------|-------|-----------------------------|-------------------------|-------------|--|-------------|--|--|--|
| MAGNES           | PPB   | 0.00                        |                         |             | NR   |             | NR   | 09/30/87   | 4700.00  |
| MANGESE          | PPB   | 5.00                        |                         | 12/04/87    | 240.00<br>NR                                   | 12/04/87    | 132.00<br>NR                                   | 07/01/87<br>09/30/87   |  |
| NICKEL           | PPB   | 10.00                       |                         | 12/04/87    | 15.00<br>NR                                    | 12/04/87    | 17.00<br>NR                                    | 07/01/87<br>09/30/87   |  |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 12/04/87    | 1590.00<br>NR                                  | 12/04/87    | 1290.00<br>NR                                  | 07/01/87<br>09/30/87   | 1000.00<br>785.00  |
| PH-LAB           |       | 0.01                        |                         | 12/04/87    | 0.27   | 12/04/87    | 0.02   |  | NR   |
| PHFIELD          |       | 0.10                        |                         | 12/04/87    | 0.10<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR | 12/04/87    | 0.70<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR | 07/01/87<br>07/01/87<br>07/01/87<br>07/01/87<br>09/30/87<br>09/30/87<br>09/30/87<br>09/30/87 | 7.20<br>7.30<br>7.40<br>7.50<br>7.00<br>7.90<br>7.00<br>7.00 |
| POTASUM          | PPB   | 100.00                      |                         | 12/04/87    | 4050.00<br>NR                                  | 12/04/87    | 3100.00<br>NR                                  | 07/01/87<br>09/30/87   | 3050.00<br>4390.00   |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 12/04/87    | 0.10<br>{ 0.10 }<br>NR                         | 12/04/87    | NR   | 07/01/87<br>09/30/87   |  |
| SODIUM           | PPB   | 100.00                      |                         | 12/04/87    | 320000.00<br>NR                                | 12/04/87    | 270000.00<br>NR                                | 07/01/87<br>09/30/87   | 7000.00<br>8090.00   |
| SULFATE          | PPB   | 500.00                      |                         | 12/04/87    | 819000.00<br>NR                                | 12/04/87    | 810000.00<br>NR                                | 07/01/87<br>09/30/87   | 14700.00<br>12200.00   |
| TC               | PPB   |                             |                         |             | NR<br>NR                                       |             | NR<br>NR                                       | 07/01/87<br>09/30/87   | 10000.00 0<br>10200.00 0                                     |
| TDS              |       |                             |                         |             | NR   |             | NR   | 07/01/87   | 17500.00 0   |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-88 | SAMPLE DATE | 1-N-81 | SAMPLE DATE | 2-E25-25   |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|-------------|--------|-------------|------------|
|                  |       |                             |                         | -----       | -----  | -----       | -----  | -----       | -----      |
| TDS              |       |                             |                         |             | NR     |             | NR     | 09/30/87    | 91000.00 0 |
| TOC              | PPB   | 1000.00                     |                         | 12/04/87    |        | 12/04/87    |        | 07/01/87    | 1320.00    |
|                  |       |                             |                         |             | NR     |             | NR     | 07/01/87    | 1050.00    |
|                  |       |                             |                         |             | NR     |             | NR     | 07/01/87    | 1030.00    |
|                  |       |                             |                         |             | NR     |             | NR     | 07/01/87    | 1020.00    |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    |            |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    |            |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    |            |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR     |             | NR     | 07/01/87    | 413.00     |
|                  |       |                             |                         |             |        |             |        |             | { 171.00 } |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    | 408.00     |
|                  |       |                             |                         |             |        |             |        |             | { 200.00 } |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR     |             | NR     | 09/30/87    | 0.27       |
|                  |       |                             |                         |             |        |             |        |             | { 0.05 }   |
| U 238            | PCI/L | 0.10                        | 4.00                    |             | NR     |             | NR     | 09/30/87    | 0.20       |
|                  |       |                             |                         |             |        |             |        |             | { 0.04 }   |
| VANADIUM         | PPB   | 5.00                        |                         | 12/04/87    |        | 12/04/87    |        | 07/01/87    | 19.00      |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    | 20.00      |
| ZINC             | PPB   | 5.00                        |                         | 12/04/87    | 21.00  | 12/04/87    | 17.00  | 07/01/87    | 12.00      |
|                  |       |                             |                         |             | NR     |             | NR     | 09/30/87    | 96.00      |

C.281

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-26         | SAMPLE DATE | 2-E25-27         | SAMPLE DATE | 2-E25-28               |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/01/87    |                  | 09/29/87    |                  | 10/01/87    | 1.00<br>{ 0.92 }<br>NR |
|                  |       |                             |                         | 10/01/87    |                  |             | NR               |             |                        |
| AM-241           | PCI/L | 0.10                        | 30.00                   |             | NR               | 09/29/87    | 0.02<br>{ 0.02 } | 10/01/87    | 0.02<br>{ 0.02 }       |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 07/01/87    | 9.00             | 09/29/87    | 7.00             | 10/01/87    | 12.00<br>NR            |
|                  |       |                             |                         | 10/01/87    | 9.00             |             | NR               |             |                        |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 07/01/87    | 17.00            | 09/29/87    | 20.00            | 10/01/87    | 20.00<br>NR            |
|                  |       |                             |                         | 10/01/87    | 17.00            |             | NR               |             |                        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/01/87    |                  | 09/29/87    |                  | 10/01/87    | 7.71<br>{ 3.71 }<br>NR |
|                  |       |                             |                         | 10/01/87    | 5.04<br>{ 3.40 } |             | NR               |             |                        |
| CALCIUM          | PPB   | 50.00                       |                         | 07/01/87    | 17000.00         | 09/29/87    | 19500.00         | 10/01/87    | 10400.00<br>NR         |
|                  |       |                             |                         | 10/01/87    | 10200.00         |             | NR               |             |                        |
| CHLORID          | PPB   | 500.00                      |                         | 07/01/87    | 4030.00          | 09/29/87    | 4250.00          | 10/01/87    | 4440.00<br>NR          |
|                  |       |                             |                         | 10/01/87    | 3610.00          |             | NR               |             |                        |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/01/87    | 7.28<br>{ 5.94 } | 09/29/87    |                  | 10/01/87    |                        |
|                  |       |                             |                         | 10/01/87    |                  |             | NR               |             | NR                     |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/01/87    | 150.00           | 09/29/87    | 203.00           | 10/01/87    | 109.00<br>NR           |
|                  |       |                             |                         | 10/01/87    | 150.00           | 09/29/87    | 203.00           |             | NR                     |
|                  |       |                             |                         |             | NR               | 09/29/87    | 204.00           |             | NR                     |
|                  |       |                             |                         |             | NR               | 09/29/87    | 204.00           |             | NR                     |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/01/87    | 7.18<br>{ 0.84 } | 09/29/87    |                  | 10/01/87    |                        |
|                  |       |                             |                         | 10/01/87    |                  |             | NR               |             | NR                     |
| IRON             | PPB   | 50.00                       |                         | 07/01/87    | 73.00            | 09/29/87    |                  | 10/01/87    |                        |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                            | SAMPLE DATE                                  |                              | SAMPLE DATE |                        |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------------|--|------------------------------|-------------|------------------------|
|                  |       |                             |                         | 2-E25-26             | 2-E25-27                   | 2-E25-26                                     | 2-E25-27                     | 2-E25-26    | 2-E25-27               |
| IRON             | PPB   | 50.00                       |                         | 10/01/87             | 150.00                     |  | NR                           |             | NR                     |
| LEADGF           | PPB   | 5.00                        | 50.00                   | 07/01/87<br>10/01/87 | 5.00                       | 09/29/87                                     | NR                           | 10/01/87    | NR                     |
| MAGNES           | PPB   | 0.00                        |                         | 07/01/87<br>10/01/87 | 5190.00<br>5150.00         | 09/29/87                                     | 5070.00<br>NR                | 10/01/87    | 5010.00<br>NR          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/01/87<br>10/01/87 | 1450.00<br>1220.00         | 09/29/87                                     | 4800.00<br>NR                | 10/01/87    | 1120.00<br>NR          |
| PHFIELD          |       | 0.10                        |                         | 07/01/87<br>10/01/87 | 7.20<br>7.00<br>NR<br>NR   | 09/29/87<br>09/29/87<br>09/29/87<br>09/29/87 | 7.00<br>7.00<br>7.00<br>7.00 | 10/01/87    | 7.00<br>NR<br>NR<br>NR |
| POTASUM          | PPB   | 100.00                      |                         | 07/01/87<br>10/01/87 | 3970.00<br>3910.00         | 09/29/87                                     | 4020.00<br>NR                | 10/01/87    | 3940.00<br>NR          |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 07/01/87<br>10/01/87 | 0.20<br>{ 0.17 }           | 09/29/87                                     | NR                           | 10/01/87    | 0.10<br>{ 0.15 }<br>NR |
| SODIUM           | PPB   | 100.00                      |                         | 07/01/87<br>10/01/87 | 12300.00<br>11100.00       | 09/29/87                                     | 15900.00<br>NR               | 10/01/87    | 12300.00<br>NR         |
| SULFATE          | PPB   | 500.00                      |                         | 07/01/87<br>10/01/87 | 10000.00<br>13700.00       | 09/29/87                                     | 20000.00<br>NR               | 10/01/87    | 13700.00<br>NR         |
| TC               | PPB   |                             |                         | 07/01/87<br>10/01/87 | 19100.00 0<br>17000.00 0   | 09/29/87                                     | 19700.00 0<br>NR             | 10/01/87    | 19000.00 0<br>NR       |
| TDS              |       |                             |                         | 07/01/87<br>10/01/87 | 140000.00 0<br>104000.00 0 | 09/29/87                                     | 82500.00 0<br>NR             | 10/01/87    | 114000.00 0<br>NR      |
| TOC              | PPB   | 1000.00                     |                         | 07/01/87<br>10/01/87 | 1000.00<br>NR              | 09/29/87<br>09/29/87<br>09/29/87             |                              | 10/01/87    | NR<br>NR<br>NR         |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.283

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E26-26    |                      | 2-E26-27    |                      | 2-E26-28    |                      |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|-------------|----------------------|-------------|----------------------|
|                  |       |                             |                         | SAMPLE DATE | VALUES               | SAMPLE DATE | VALUES               | SAMPLE DATE | VALUES               |
| TOC              | PPB   | 1000.00                     |                         |             | NR                   | 09/29/87    |                      |             | NR                   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/01/87    | 1820.00<br>{ 209.00} | 09/29/87    | 9070.00<br>{ 415.00} | 10/01/87    | 1770.00<br>{ 250.00} |
|                  |       |                             |                         | 10/01/87    | 1940.00<br>{ 253.00} |             | NR                   |             | NR                   |
| U 234            | PCI/L | 0.10                        | 32.00                   | 10/01/87    | 0.52<br>{ 0.07}      | 09/29/87    | 0.50<br>{ 0.07}      | 10/01/87    | 0.52<br>{ 0.07}      |
| U 235            | PCI/L | 0.10                        | 32.00                   | 10/01/87    | 0.03<br>{ 0.02}      | 09/29/87    |                      | 10/01/87    | 0.03<br>{ 0.02}      |
| U 238            | PCI/L | 0.10                        | 4.00                    | 10/01/87    | 0.36<br>{ 0.06}      | 09/29/87    | 0.51<br>{ 0.07}      | 10/01/87    | 0.43<br>{ 0.06}      |
| VANADUM          | PPB   | 5.00                        |                         | 07/01/87    | 39.00                | 09/29/87    | 30.00                | 10/01/87    | 40.00                |
|                  |       |                             |                         | 10/01/87    | 30.00                |             | NR                   |             | NR                   |
| ZINC             | PPB   | 5.00                        |                         | 07/01/87    |                      | 09/29/87    | 0.00                 | 10/01/87    | 30.00                |
|                  |       |                             |                         | 10/01/87    | 0.00                 |             | NR                   |             | NR                   |

C.284

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-1       | 3-1-2    | 3-1-1       | 3-1-2    | 3-1-1       | 3-1-2    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/17/87    | 12.70    | 08/14/87    | 9.92     | 08/18/87    | 24.30 *  |
|                  |       |                             |                         | 11/10/87    | { 2.48 } | 11/09/87    | { 2.26 } |             | { 3.52 } |
|                  |       |                             |                         |             | { 2.63 } |             | { 2.58 } |             | NR       |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 08/17/87    | 32.00    | 08/14/87    | 22.00    | 08/18/87    | 21.00    |
|                  |       |                             |                         | 11/10/87    | 36.00    | 11/09/87    | 27.00    |             |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/17/87    | 9.84     | 08/14/87    | 12.30    | 08/18/87    | 48.90    |
|                  |       |                             |                         | 11/10/87    | { 4.05 } | 11/09/87    | { 4.05 } |             | { 6.56 } |
|                  |       |                             |                         |             | { 7.05 } |             | { 3.45 } |             | NR       |
|                  |       |                             |                         |             | { 3.68 } |             |          |             |          |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 08/17/87    |          | 08/14/87    |          | 08/18/87    |          |
|                  |       |                             |                         | 11/10/87    |          | 11/09/87    | 2.00     |             |          |
| CALCIUM          | PPB   | 50.00                       |                         | 08/17/87    | 15400.00 | 08/14/87    | 19700.00 | 08/18/87    | 15700.00 |
|                  |       |                             |                         | 11/10/87    | 17800.00 | 11/09/87    | 21000.00 |             |          |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/17/87    | 16.00    | 08/14/87    | 15.00    | 08/18/87    | 21.00    |
|                  |       |                             |                         | 11/10/87    | 16.00    | 11/09/87    | 11.00    |             |          |
| CHLORID          | PPB   | 500.00                      |                         | 08/17/87    | 9450.00  | 08/14/87    | 8650.00  | 08/18/87    | 11100.00 |
|                  |       |                             |                         | 11/10/87    | 10100.00 | 11/09/87    | 8540.00  |             |          |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 08/17/87    |          | 08/14/87    |          | 08/18/87    |          |
|                  |       |                             |                         | 11/10/87    | 16.00 *  | 11/09/87    | 9.20 *   |             |          |
| CONDFLD          | UMHD  | 1.00                        |                         | 08/17/87    | 135.00   | 08/14/87    | 177.00   | 08/18/87    | 151.00   |
|                  |       |                             |                         | 11/10/87    | 168.00   | 11/09/87    | 198.00   |             |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/17/87    | 32.00    | 08/14/87    | 22.00    | 08/18/87    | 21.00    |
|                  |       |                             |                         | 11/10/87    | 35.00    | 11/09/87    | 24.00    |             |          |
| FCALCIU          | PPB   | 50.00                       |                         | 08/17/87    | 15400.00 | 08/14/87    | 17800.00 | 08/18/87    | 16000.00 |
|                  |       |                             |                         | 11/10/87    | 19800.00 | 11/09/87    | 23100.00 |             |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/17/87    |          | 08/14/87    |          | 08/18/87    | 523.00   |

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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIOISOTOPES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.285

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE          |          |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|----------------------|----------|----------|
|                  |       |                             |                         |             | 3-1-1       | 3-1-2    |                      |          |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/10/87    | 550.00      | 11/09/87 | 510.00               | NR       |          |
| FMAGNES          | PPB   | 0.00                        |                         | 08/17/87    | 3470.00     | 08/14/87 | 4420.00              | 08/18/87 | 3530.00  |
|                  |       |                             |                         | 11/10/87    | 3750.00     | 11/09/87 | 4910.00              |          | NR       |
| FPOTASS          | PPB   | 100.00                      |                         | 08/17/87    | 2030.00     | 08/14/87 | 2750.00              | 08/18/87 | 2140.00  |
|                  |       |                             |                         | 11/10/87    | 2300.00     | 11/09/87 | 3200.00              |          | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/17/87    | 9370.00     | 08/14/87 | 9800.00              | 08/18/87 | 13600.00 |
|                  |       |                             |                         | 11/10/87    | 9920.00     | 11/09/87 | 10900.00             |          | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 08/17/87    | 8.00        | 08/14/87 |                      | 08/18/87 |          |
|                  |       |                             |                         | 11/10/87    |             | 11/09/87 | 7.00                 |          | NR       |
| FZINC            | PPB   | 5.00                        |                         | 08/17/87    | 5.00        | 08/14/87 |                      | 08/18/87 | 5.00     |
|                  |       |                             |                         | 11/10/87    |             | 11/09/87 |                      |          | NR       |
| IRON             | PPB   | 50.00                       |                         | 08/17/87    | 91.00       | 08/14/87 | 50.00                | 08/18/87 |          |
|                  |       |                             |                         | 11/10/87    | 51.00       | 11/09/87 |                      |          | NR       |
| MAGNES           | PPB   | 0.00                        |                         | 08/17/87    | 3520.00     | 08/14/87 | 4740.00              | 08/18/87 | 3530.00  |
|                  |       |                             |                         | 11/10/87    | 3860.00     | 11/09/87 | 4940.00              |          | NR       |
| MANGESE          | PPB   | 5.00                        |                         | 08/17/87    | 0.00        | 08/14/87 |                      | 08/18/87 |          |
|                  |       |                             |                         | 11/10/87    |             | 11/09/87 |                      |          | NR       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/17/87    | 1570.00     | 08/14/87 | 3410.00              | 08/18/87 | 2020.00  |
|                  |       |                             |                         | 11/10/87    | 1950.00     | 11/09/87 | 3300.00              |          | NR       |
| PHFIELD          |       | 0.10                        |                         | 08/17/87    | 0.00        | 08/14/87 | 7.20                 | 08/18/87 | 0.00     |
|                  |       |                             |                         | 11/10/87    | 7.30        | 11/09/87 | 7.10                 |          | NR       |
| POTASUM          | PPB   | 100.00                      |                         | 08/17/87    | 2100.00     | 08/14/87 | 2840.00              | 08/18/87 | 2100.00  |
|                  |       |                             |                         | 11/10/87    | 2500.00     | 11/09/87 | 3010.00              |          | NR       |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 07/21/87    |             | 07/22/87 |                      | 07/22/87 |          |
|                  |       |                             |                         | 10/15/87    |             | 10/19/87 |                      | 08/18/87 |          |
|                  |       |                             |                         |             | NR          |          | { 35.00 *<br>29.30 } | NR       | 10/20/87 |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.286

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-1       |          | 3-1-2                              |          | 3-1-3       |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|------------------------------------|----------|-------------|-------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE    | SAMPLE DATE                        | VALUE    | SAMPLE DATE | VALUE |
| SODIUM           | PPB   | 100.00                      |                         | 08/17/87    | 9570.00     | 08/14/87 | 10100.00                           | 08/18/87 | 14100.00    |       |
|                  |       |                             |                         | 11/10/87    | 10100.00    | 11/09/87 | 11100.00                           |          | NR          |       |
| SULFATE          | PPB   | 500.00                      |                         | 08/17/87    | 15200.00    | 08/14/87 | 18700.00                           | 08/18/87 | 14000.00    |       |
|                  |       |                             |                         | 11/10/87    | 14400.00    | 11/09/87 | 18400.00                           |          | NR          |       |
| TOX              | PPB   | 100.00                      |                         | 08/17/87    |             | 08/14/87 |                                    | 08/18/87 |             |       |
|                  |       |                             |                         | 11/10/87    | 313.00      | 11/09/87 | 24500.00                           |          | NR          |       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/21/87    |             | 07/22/87 | 1980.00                            | 07/22/87 | 374.00      |       |
|                  |       |                             |                         | 10/15/87    |             | 10/19/87 | { 214.00 }<br>477.00<br>{ 209.00 } | 10/20/87 | { 170.00 }  |       |
| U                | PCI/L | 0.50                        | 600.00                  | 07/21/87    | 11.90       | 07/22/87 | 10.00                              | 07/22/87 | 17.90       |       |
|                  |       |                             |                         | 10/15/87    | 12.50       | 10/19/87 | 9.21                               | 10/20/87 | 27.30       |       |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/10/87    | 17.40       | 11/09/87 | 15.00                              | 08/18/87 | 35.00       |       |
| VANADUM          | PPB   | 5.00                        |                         | 08/17/87    |             | 08/14/87 | 5.00                               | 08/18/87 | 5.00        |       |
|                  |       |                             |                         | 11/10/87    | 9.00        | 11/09/87 | 7.00                               |          | NR          |       |
| ZINC             | PPB   | 5.00                        |                         | 08/17/87    | 8.00        | 08/14/87 | 9.00                               | 08/18/87 | 7.00        |       |
|                  |       |                             |                         | 11/10/87    | 9.00        | 11/09/87 | 5.00                               |          | NR          |       |

C.287

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |           | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-----------|-------------|----------|
|                  |       |                             |                         | 3-1-4       | 3-1-5    | 3-1-4       | 3-1-5     | 3-1-4       | 3-1-5    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/14/87    | 39.00 *  | 08/28/87    | 25.20 +   | 08/17/87    | 12.70    |
|                  |       |                             |                         | 11/12/87    | { 4.19}  | { 3.78}     | 11/20/87  | { 2.58}     |          |
|                  |       |                             |                         | 08/14/87    | 30.90 *  | 08/28/87    | 31.50 +   | 08/17/87    | 9.86     |
|                  |       |                             |                         | 11/12/87    | { 3.88}  | { 4.08}     | 11/20/87  | { 2.32}     |          |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 08/14/87    | 21.00    | 08/28/87    | 52.00     | 08/17/87    | 22.00    |
|                  |       |                             |                         | 11/12/87    | 21.00    | NR          | 11/20/87  | 18.00       |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/14/87    | 12.20    | 08/28/87    | 23.00     | 08/17/87    | 8.37     |
|                  |       |                             |                         | 11/12/87    | { 3.97}  | { 5.39}     | 11/20/87  | { 3.88}     |          |
|                  |       |                             |                         | 08/14/87    | 10.00    | 08/28/87    | 27.70     | 08/17/87    | 4.39     |
|                  |       |                             |                         | 11/12/87    | { 3.95}  | { 5.77}     | 11/20/87  | { 3.37}     |          |
| CALCIUM          | PPB   | 50.00                       |                         | 08/14/87    | 15200.00 | 08/28/87    | 48000.00  | 08/17/87    | 16000.00 |
|                  |       |                             |                         | 11/12/87    | 19800.00 | NR          | 11/20/87  | 20100.00    |          |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/14/87    | 18.00    | 08/28/87    | 17.00     | 08/17/87    | 10.00    |
|                  |       |                             |                         | 11/12/87    | 12.00    | 08/28/87    | 16.00     | 11/20/87    | 16.00    |
| CHLORID          | PPB   | 500.00                      |                         | 08/14/87    | 7000.00  | 08/28/87    | 115000.00 | 08/17/87    | 6010.00  |
|                  |       |                             |                         | 11/12/87    | 8930.00  | 08/28/87    | 114000.00 | 11/20/87    | 6030.00  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/22/87    |          | 07/23/87    |           | 07/22/87    | 6.43     |
|                  |       |                             |                         | 10/16/87    |          | 10/13/87    |           | 10/16/87    | { 5.25}  |
|                  |       |                             |                         |             |          |             |           |             | 8.10     |
|                  |       |                             |                         |             |          |             |           |             | { 5.73}  |
| CONDFLD          | UNHD  | 1.00                        |                         | 08/14/87    | 147.00   | 08/28/87    | 458.00    | 08/17/87    | 137.00   |
|                  |       |                             |                         | 11/12/87    | 162.00   | NR          | 11/20/87  | 163.00      |          |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/14/87    |          | 08/28/87    |           | 08/17/87    |          |
|                  |       |                             |                         | 11/12/87    | 11.00    | NR          | 11/20/87  | 13.00       |          |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 08/14/87    | 19.00    | 08/28/87    | 83.00     | 08/17/87    | 22.00    |
|                  |       |                             |                         | 11/12/87    | 20.00    | 08/28/87    | 86.00     | 11/20/87    | 24.00    |
| FCALCIU          | PPB   | 50.00                       |                         | 08/14/87    | 14200.00 | 08/28/87    | 56700.00  | 08/17/87    | 16000.00 |
|                  |       |                             |                         | 11/12/87    | 20100.00 | 08/28/87    | 57300.00  | 11/20/87    | 21800.00 |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.288

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 3-1-4              | SAMPLE DATE          | 3-1-5                | SAMPLE DATE          | 3-1-6              |
|------------------|-------|-----------------------------|-------------------------|----------------------|--------------------|----------------------|----------------------|----------------------|--------------------|
| FCOPPER          | PPB   | 10.00                       | (1300.0)                | 08/14/87<br>11/12/87 | 12.00              | 08/28/87<br>08/28/87 | 11.00                | 08/17/87<br>11/20/87 | 12.00              |
| FIRON            | PPB   | 50.00                       |                         | 08/14/87<br>11/12/87 | 154.00             | 08/28/87<br>08/28/87 | 76.00                | 08/17/87<br>11/20/87 |                    |
| FMAGNES          | PPB   | 0.00                        |                         | 08/14/87<br>11/12/87 | 3520.00<br>4370.00 | 08/28/87<br>08/28/87 | 13200.00<br>13100.00 | 08/17/87<br>11/20/87 | 4080.00<br>4530.00 |
| FPOTASS          | PPB   | 100.00                      |                         | 08/14/87<br>11/12/87 | 2150.00<br>2190.00 | 08/28/87<br>08/28/87 | 3900.00<br>3900.00   | 08/17/87<br>11/20/87 | 2220.00<br>2450.00 |
| FSODIUM          | PPB   | 100.00                      |                         | 08/14/87<br>11/12/87 | 8020.00<br>7660.00 | 08/28/87<br>08/28/87 | 17000.00<br>17000.00 | 08/17/87<br>11/20/87 | 8750.00<br>7180.00 |
| FSTRONT          | PPB   | 300.00                      |                         |                      | NR<br>NR           | 08/28/87<br>08/28/87 | 314.00               |                      | NR<br>NR           |
| FVANADI          | PPB   | 5.00                        |                         | 08/14/87<br>11/12/87 | 5.00               | 08/28/87<br>08/28/87 | 7.00<br>6.00         | 08/17/87<br>11/20/87 | 10.00              |
| FZINC            | PPB   | 5.00                        |                         | 08/14/87<br>11/12/87 | 5.00<br>13.00      | 08/28/87<br>08/28/87 | 6.00                 | 08/17/87<br>11/20/87 | 13.00<br>5.00      |
| IRON             | PPB   | 50.00                       |                         | 08/14/87<br>11/12/87 | 82.00<br>99.00     | 08/28/87             | NR                   | 08/17/87<br>11/20/87 | 71.00              |
| MAGNES           | PPB   | 0.00                        |                         | 08/14/87<br>11/12/87 | 3570.00<br>4140.00 | 08/28/87             | 11000.00<br>NR       | 08/17/87<br>11/20/87 | 3910.00<br>4300.00 |
| METHYCH          | PPB   | 10.00                       |                         | 08/14/87<br>11/12/87 | 3040.00            | 08/28/87<br>08/28/87 | 21.00<br>18.00       | 08/17/87<br>11/20/87 |                    |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/14/87<br>11/12/87 | 899.00<br>1680.00  | 08/28/87<br>08/28/87 | 1290.00<br>1410.00   | 08/17/87<br>11/20/87 | 1130.00<br>1970.00 |
| PHFIELD          |       | 0.10                        |                         | 08/14/87<br>11/12/87 | 0.00<br>0.90       | 08/28/87             | 0.50<br>NR           | 08/17/87<br>11/20/87 | 0.00<br>0.70       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-4    |  | SAMPLE DATE | 3-1-5      |  | SAMPLE DATE | 3-1-6    |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|------------|--|-------------|----------|--|
|                  |       |                             |                         |             |          |  |             |            |  |             |          |  |
| POTASUM          | PPB   | 100.00                      |                         | 08/14/87    | 2090.00  |  | 08/26/87    | 3570.00    |  | 08/17/87    | 2200.00  |  |
|                  |       |                             |                         | 11/12/87    | 2090.00  |  |             | NR         |  | 11/20/87    | 2410.00  |  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/14/87    |          |  | 08/26/87    | 0.19       |  | 08/17/87    |          |  |
|                  |       |                             |                         | 11/12/87    |          |  |             | { 0.16 }   |  | 11/20/87    |          |  |
| SODIUM           | PPB   | 100.00                      |                         | 08/14/87    | 7300.00  |  | 08/26/87    | 14100.00   |  | 08/17/87    | 6640.00  |  |
|                  |       |                             |                         | 11/12/87    | 7150.00  |  |             | NR         |  | 11/20/87    | 6670.00  |  |
| SULFATE          | PPB   | 500.00                      |                         | 08/14/87    | 13600.00 |  | 08/26/87    | 12300.00   |  | 08/17/87    | 13600.00 |  |
|                  |       |                             |                         | 11/12/87    | 13600.00 |  | 08/26/87    | 12300.00   |  | 11/20/87    | 12600.00 |  |
| TOX              | PPB   | 100.00                      |                         | 08/14/87    | 4770.00  |  | 08/26/87    |            |  | 08/17/87    |          |  |
|                  |       |                             |                         | 11/12/87    |          |  |             | NR         |  | 11/20/87    |          |  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/22/87    |          |  | 07/23/87    |            |  | 07/22/87    |          |  |
|                  |       |                             |                         | 10/15/87    |          |  | 10/13/87    | 417.00     |  | 10/15/87    |          |  |
|                  |       |                             |                         |             |          |  |             | { 200.00 } |  |             |          |  |
| U                | PCI/L | 0.50                        | 800.00                  | 07/22/87    | 20.40    |  | 07/23/87    | 18.70      |  | 07/22/87    | 8.97     |  |
|                  |       |                             |                         | 10/15/87    | 19.10    |  | 10/13/87    | 22.90      |  | 10/15/87    | 9.47     |  |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/12/87    | 38.10    |  |             | NR         |  | 11/20/87    | 13.00    |  |
| VANADUM          | PPB   | 5.00                        |                         | 08/14/87    |          |  | 08/26/87    | 5.00       |  | 08/17/87    | 6.00     |  |
|                  |       |                             |                         | 11/12/87    | 6.00     |  |             | NR         |  | 11/20/87    |          |  |
| ZINC             | PPB   | 5.00                        |                         | 08/14/87    | 9.00     |  | 08/26/87    | 6.00       |  | 08/17/87    | 9.00     |  |
|                  |       |                             |                         | 11/12/87    | 39.00    |  |             | NR         |  | 11/20/87    | 5.00     |  |

C.290

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |  | SAMPLE DATE          |  | SAMPLE DATE |                         |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|----------------------|--|-------------|-------------------------|
|                  |       |                             |                         | 3-1-7                | 3-1-8                                      | 3-1-8                | 3-1-9                                      |             |                         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/17/87<br>11/13/87 | 30.20 +<br>{ 3.95 }<br>27.90 +<br>{ 3.83 } | 08/20/87<br>11/13/87 | 20.70 +<br>{ 3.36 }<br>20.00 +<br>{ 3.47 } | 08/18/87    | NR                      |
| AMMONIU          | PPB   | 50.00                       |                         | 08/17/87<br>11/13/87 |  | 08/20/87<br>11/13/87 |  | 08/18/87    | 125.00<br>NR            |
| BARIUM           | PPB   | 0.00                        | 1000.00                 | 08/17/87<br>11/13/87 | 22.00<br>31.00                             | 08/20/87<br>11/13/87 | 31.00<br>30.00                             | 08/18/87    | 110.00<br>NR            |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/17/87<br>11/13/87 | 49.00<br>{ 6.00 }<br>29.70<br>{ 6.53 }     | 08/20/87<br>11/13/87 | 29.00<br>{ 5.58 }<br>26.20<br>{ 5.22 }     | 08/18/87    | 10.10<br>{ 4.29 }<br>NR |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 08/17/87<br>11/13/87 | 2.00                                       | 08/20/87<br>11/13/87 |  | 08/18/87    | NR                      |
| CALCIUM          | PPB   | 50.00                       |                         | 08/17/87<br>11/13/87 | 10200.00<br>27800.00                       | 08/20/87<br>11/13/87 | 14400.00<br>21400.00                       | 08/18/87    | 15300.00<br>NR          |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/17/87<br>11/13/87 | 19.00<br>13.00                             | 08/20/87<br>11/13/87 |  | 08/18/87    | NR                      |
| CHLORID          | PPB   | 500.00                      |                         | 08/17/87<br>11/13/87 | 11200.00<br>39400.00                       | 08/20/87<br>11/13/87 | 10200.00<br>24300.00                       | 08/18/87    | 10300.00<br>NR          |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 08/17/87<br>11/13/87 |  | 08/20/87<br>11/13/87 |  | 08/18/87    | 18.00<br>NR             |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/17/87<br>11/13/87 | 152.00<br>245.00                           | 08/20/87<br>11/13/87 | 209.00<br>244.00                           | 08/18/87    | 250.00<br>NR            |
| COPPER           | PPB   | 10.00                       | (1000.0)                | 08/17/87<br>11/13/87 | 25.00                                      | 08/20/87<br>11/13/87 |  | 08/18/87    | NR                      |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/17/87             | 22.00                                      | 08/20/87             | 25.00                                      | 08/18/87    | 120.00                  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE |                |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------|
|                     |       |                                   |                               | 3-1-7                | 3-1-8                | 3-1-8                | 3-1-9                |             |                |
| FBARIUM             | PPB   | 6.00                              | 1000.00                       | 11/13/87             | 36.00                | 11/13/87             | 38.00                |             | NR             |
| FCADMIU             | PPB   | 2.00                              | 10.00                         | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 |                      | 08/18/87    | 2.00<br>NR     |
| FCALCIU             | PPB   | 50.00                             |                               | 08/17/87<br>11/13/87 | 15600.00<br>26300.00 | 08/20/87<br>11/13/87 | 15700.00<br>21700.00 | 08/18/87    | 16700.00<br>NR |
| FIRON               | PPB   | 50.00                             |                               | 08/17/87<br>11/13/87 | 61.00                | 08/20/87<br>11/13/87 |                      | 08/18/87    | 281.00<br>NR   |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 08/17/87<br>11/13/87 | 541.00<br>602.00     | 08/20/87<br>11/13/87 | 588.00<br>722.00     | 08/18/87    | 861.00<br>NR   |
| FMAGNES             | PPB   | 6.00                              |                               | 08/17/87<br>11/13/87 | 3550.00<br>5260.00   | 08/20/87<br>11/13/87 | 5150.00<br>5260.00   | 08/18/87    | 7240.00<br>NR  |
| FMANGAN             | PPB   | 5.00                              |                               | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 | 14.00<br>17.00       | 08/18/87    | 65.00<br>NR    |
| FNICKEL             | PPB   | 10.00                             |                               | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 |                      | 08/18/87    | 11.00<br>NR    |
| FPOTASS             | PPB   | 100.00                            |                               | 08/17/87<br>11/13/87 | 2130.00<br>3110.00   | 08/20/87<br>11/13/87 | 4110.00<br>4750.00   | 08/18/87    | 5540.00<br>NR  |
| FSODIUM             | PPB   | 100.00                            |                               | 08/17/87<br>11/13/87 | 14200.00<br>16700.00 | 08/20/87<br>11/13/87 | 21800.00<br>25100.00 | 08/18/87    | 51900.00<br>NR |
| FVANADI             | PPB   | 5.00                              |                               | 08/17/87<br>11/13/87 | 9.00<br>6.00         | 08/20/87<br>11/13/87 |                      | 08/18/87    | NR             |
| FZINC               | PPB   | 5.00                              |                               | 08/17/87<br>11/13/87 | 7.00<br>7.00         | 08/20/87<br>11/13/87 | 18.00                | 08/18/87    | NR             |
| IRON                | PPB   | 50.00                             |                               | 08/17/87<br>11/13/87 | 78.00<br>86.00       | 08/20/87<br>11/13/87 |                      | 08/18/87    | 427.00<br>NR   |
| MAGNES              | PPB   | 0.00                              |                               | 08/17/87             | 3680.00              | 08/20/87             | 5230.00              | 08/18/87    | 7280.00        |

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NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE |                |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------|
|                  |       |                             |                         | 3-1-7                | 3-1-8                | 3-1-8                | 3-1-9                |             |                |
| MAGNES           | PPB   | 0.00                        |                         | 11/13/87             | 5330.00              | 11/13/87             | 6610.00              |             | NR             |
| MANGESE          | PPB   | 5.00                        |                         | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 | 11.00<br>13.00       | 08/18/87    | 65.00<br>NR    |
| METHYCH          | PPB   | 10.00                       |                         | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 | 580.00               | 08/18/87    | NR             |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/17/87<br>11/13/87 | 2200.00<br>1820.00   | 08/20/87<br>11/13/87 | 1330.00<br>1020.00   | 08/18/87    | NR             |
| PHFIELD          |       | 0.10                        |                         | 08/17/87<br>11/13/87 | 6.80<br>6.40         | 08/20/87<br>11/13/87 | 7.00<br>7.20         | 08/18/87    | 7.20<br>NR     |
| POTASUM          | PPB   | 100.00                      |                         | 08/17/87<br>11/13/87 | 2280.00<br>3180.00   | 08/20/87<br>11/13/87 | 4300.00<br>4800.00   | 08/18/87    | 5590.00<br>NR  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/17/87<br>11/13/87 |                      | 08/20/87<br>11/13/87 | 0.25<br>{ 0.17}      | 08/18/87    | NR             |
| SODIUM           | PPB   | 100.00                      |                         | 08/17/87<br>11/13/87 | 14800.00<br>18000.00 | 08/20/87<br>11/13/87 | 22300.00<br>23000.00 | 08/18/87    | 54300.00<br>NR |
| SULFATE          | PPB   | 500.00                      |                         | 08/17/87<br>11/13/87 | 15200.00<br>14500.00 | 08/20/87<br>11/13/87 | 15800.00<br>14200.00 | 08/18/87    | 600.00<br>NR   |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/13/87             | 37.70                | 11/13/87             | 24.80                |             | NR             |
| VANADUM          | PPB   | 5.00                        |                         | 08/17/87<br>11/13/87 | 8.00<br>8.00         | 08/20/87<br>11/13/87 | 8.00                 | 08/18/87    | NR             |
| ZINC             | PPB   | 5.00                        |                         | 08/17/87<br>11/13/87 | 5.00<br>260.00       | 08/20/87<br>11/13/87 | 5.00<br>32.00        | 08/18/87    | 7.00<br>NR     |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 § - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-10   | SAMPLE DATE | 3-1-11   | SAMPLE DATE | 3-1-12   |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         |             |          |             |          |             |          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/19/87    | 0.95     | 08/26/87    | 63.70 *  | 08/29/87    | 32.20 *  |
|                  |       |                             |                         | 11/19/87    | { 1.88}  | 11/05/87    | { 5.48}  | 11/11/87    | { 3.87}  |
|                  |       |                             |                         |             | { 2.03}  |             | { 4.34}  |             | { 4.89}  |
| AMMONIU          | PPB   | 50.00                       |                         | 08/19/87    |          | 08/26/87    |          | 08/29/87    |          |
|                  |       |                             |                         | 11/19/87    | 54.00    | 11/05/87    |          | 11/11/87    |          |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 08/19/87    | 28.00    | 08/26/87    | 42.00    | 08/29/87    | 20.00    |
|                  |       |                             |                         | 11/19/87    | 25.00    | 11/05/87    | 15.00    | 11/11/87    | 22.00    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/19/87    | 4.00     | 08/26/87    | 24.00    | 08/29/87    | 12.00    |
|                  |       |                             |                         | 11/19/87    | { 3.32}  | 11/05/87    | { 5.39}  | 11/11/87    | { 4.20}  |
|                  |       |                             |                         |             | 4.48     |             | 6.02     |             | 11.00    |
|                  |       |                             |                         |             | { 3.30}  |             | { 2.02}  |             | { 3.98}  |
| CALCIUM          | PPB   | 50.00                       |                         | 08/19/87    | 14900.00 | 08/26/87    | 30000.00 | 08/29/87    | 14300.00 |
|                  |       |                             |                         | 11/19/87    | 19100.00 | 11/05/87    | 15500.00 | 11/11/87    | 19000.00 |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/19/87    | 24.00    | 08/26/87    | 20.00    | 08/29/87    | 20.00    |
|                  |       |                             |                         | 11/19/87    | 13.00    | 10/08/87    | 17.00    | 11/11/87    | 13.00    |
|                  |       |                             |                         |             | NR       | 10/15/87    | 15.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/22/87    | 14.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 14.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/05/87    | 14.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/11/87    | 13.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/18/87    | 12.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/23/87    | 12.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/03/87    | 12.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/09/87    | 11.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/18/87    | 13.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/30/87    |          |             | NR       |
|                  |       |                             |                         |             |          |             |          |             |          |
| CHLORID          | PPB   | 500.00                      |                         | 08/19/87    | 8330.00  | 08/26/87    | 81800.00 | 08/29/87    | 8180.00  |
|                  |       |                             |                         | 11/19/87    | 7040.00  | 11/05/87    | 8300.00  | 11/11/87    | 20800.00 |
|                  |       |                             |                         |             | NR       | 12/09/87    | 32800.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/18/87    | 9070.00  |             | NR       |
|                  |       |                             |                         |             | NR       | 12/30/87    | 14300.00 |             | NR       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                  | SAMPLE DATE  |  | SAMPLE DATE          |  |
|------------------|-------|-----------------------------|-------------------------|----------------------|------------------|--|--|----------------------|--|
|                  |       |                             |                         | 3-1-10               | 3-1-11           | 3-1-11   | 3-1-12   |                      |  |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 08/19/87<br>11/19/87 |                  | 08/26/87<br>11/05/87   | 11.00  | 08/26/87<br>11/11/87 |  |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/19/87<br>11/19/87 | 143.00<br>172.00 | 08/26/87<br>10/08/87<br>10/15/87<br>10/22/87<br>10/29/87<br>11/05/87<br>11/11/87<br>11/18/87<br>11/23/87<br>12/03/87<br>12/09/87<br>12/18/87<br>12/30/87 | 407.00<br>164.00<br>135.00<br>182.00<br>161.00<br>170.00<br>152.00<br>154.00<br>133.00<br>136.00<br>209.00<br>147.00<br>159.00 | 08/26/87<br>11/11/87 | 134.00<br>199.00<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/19/87<br>11/19/87 | 10.00            | 08/26/87<br>11/05/87   | 13.00<br>18.00   | 08/26/87<br>11/11/87 | 14.00  |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/19/87<br>11/19/87 | 25.00<br>27.00   | 08/26/87<br>10/08/87<br>10/15/87<br>10/22/87<br>10/29/87<br>11/05/87<br>11/11/87<br>11/18/87<br>11/23/87<br>12/03/87                                     | 45.00<br>20.00<br>19.00<br>21.00<br>21.00<br>20.00<br>15.00<br>16.00<br>14.00<br>19.00   | 08/26/87<br>11/11/87 | 15.00<br>22.00<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR                     |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/19/87<br>11/19/87 |                  | 08/26/87<br>10/08/87<br>10/15/87<br>10/22/87<br>10/29/87<br>11/05/87<br>11/11/87   |  | 08/26/87<br>11/11/87 | 2.00<br>NR<br>NR<br>NR<br>NR<br>NR   |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-10      |          | 3-1-11      |          | 3-1-12      |          |
| FCADMIU          | PPB   | 2.00                        | 10.00                   |             | NR       | 11/18/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/23/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 12/03/87    |          |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/19/87    | 15200.00 | 08/26/87    | 38400.00 | 08/28/87    | 18700.00 |
|                  |       |                             |                         | 11/19/87    | 18200.00 | 10/08/87    | 17200.00 | 11/11/87    | 19000.00 |
|                  |       |                             |                         |             | NR       | 10/15/87    | 18100.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 10/22/87    | 17100.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 17600.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 11/05/87    | 16700.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 11/11/87    | 18200.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 11/18/87    | 15700.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 11/23/87    | 16000.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/03/87    | 17700.00 |             | NR       |
|                  |       |                             |                         | FCOPPER     | PPB      | 10.00       | (1300.0) | 08/19/87    |          |
| 11/19/87         |       | 10/08/87                    | 12.00                   |             |          |             |          | 11/11/87    | 10.00    |
|                  | NR    | 10/15/87                    |                         |             |          |             |          |             | NR       |
|                  | NR    | 10/22/87                    | 17.00                   |             |          |             |          |             | NR       |
|                  | NR    | 10/29/87                    | 26.00                   |             |          |             |          |             | NR       |
|                  | NR    | 11/05/87                    | 19.00                   |             |          |             |          |             | NR       |
|                  | NR    | 11/11/87                    | 19.00                   |             |          |             |          |             | NR       |
|                  | NR    | 11/18/87                    | 26.00                   |             |          |             |          |             | NR       |
|                  | NR    | 11/23/87                    | 26.00                   |             |          |             |          |             | NR       |
|                  | NR    | 12/03/87                    | 24.00                   |             |          |             |          |             | NR       |
| FIRON            | PPB   | 50.00                       |                         | 08/19/87    |          | 08/26/87    |          | 08/28/87    |          |
|                  |       |                             |                         | 11/19/87    | 75.00    | 10/08/87    |          | 11/11/87    |          |
|                  |       |                             |                         |             | NR       | 10/15/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 10/22/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 10/29/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/05/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/11/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/18/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 11/23/87    |          |             | NR       |
|                  |       |                             |                         |             | NR       | 12/03/87    |          |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/19/87    |          | 08/26/87    |          | 08/28/87    |          |
|                  |       |                             |                         | 11/19/87    | 515.00   | 11/05/87    |          | 11/11/87    |          |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-10  | SAMPLE DATE | 3-1-11   | SAMPLE DATE | 3-1-12   |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|----------|
| FLUORID          | PPB   | 500.00                      | 4000.00                 |             | NR      | 12/09/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 12/18/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 12/30/87    |          |             | NR       |
| F MAGNES         | PPB   | 0.00                        |                         | 08/19/87    | 3490.00 | 08/28/87    | 9250.00  | 08/20/87    | 3730.00  |
|                  |       |                             |                         | 11/19/87    | 3720.00 | 10/08/87    | 3700.00  | 11/11/87    | 4340.00  |
|                  |       |                             |                         |             | NR      | 10/15/87    | 3000.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 10/22/87    | 4030.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 10/29/87    | 4290.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/05/87    | 3970.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/11/87    | 4330.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/18/87    | 4020.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/23/87    | 4170.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 12/03/87    | 4250.00  |             | NR       |
| F NICKEL         | PPB   | 10.00                       |                         | 08/19/87    |         | 08/28/87    |          | 08/20/87    | 12.00    |
|                  |       |                             |                         | 11/19/87    |         | 10/08/87    |          | 11/11/87    |          |
|                  |       |                             |                         |             | NR      | 10/15/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 10/22/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 10/29/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 11/05/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 11/11/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 11/18/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 11/23/87    |          |             | NR       |
|                  |       |                             |                         |             | NR      | 12/03/87    |          |             | NR       |
| F POTASS         | PPB   | 100.00                      |                         | 08/19/87    | 2270.00 | 08/28/87    | 2040.00  | 08/20/87    | 2190.00  |
|                  |       |                             |                         | 11/19/87    | 2390.00 | 10/08/87    | 1540.00  | 11/11/87    | 2350.00  |
|                  |       |                             |                         |             | NR      | 10/15/87    | 1400.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 10/22/87    | 1430.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 10/29/87    | 1530.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/05/87    | 1470.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/11/87    | 1520.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/18/87    | 1510.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 11/23/87    | 1300.00  |             | NR       |
|                  |       |                             |                         |             | NR      | 12/03/87    | 1300.00  |             | NR       |
| F SODIUM         | PPB   | 100.00                      |                         | 08/19/87    | 7650.00 | 08/28/87    | 19000.00 | 08/20/87    | 9000.00  |
|                  |       |                             |                         | 11/19/87    | 7510.00 | 10/08/87    | 7070.00  | 11/11/87    | 15100.00 |

C.297

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |         | SAMPLE DATE |          | SAMPLE DATE |         |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|---------|
|                  |       |                             |                         | 3-1-10      |         | 3-1-11      |          | 3-1-12      |         |
| FSODIUM          | PPB   | 100.00                      |                         |             | NR      | 10/15/87    | 5570.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 10/22/87    | 8400.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 10/29/87    | 11300.00 |             | NR      |
|                  |       |                             |                         |             | NR      | 11/05/87    | 9340.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/11/87    | 6930.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/18/87    | 8700.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/23/87    | 7800.00  |             | NR      |
|                  |       |                             |                         |             | NR      | 12/03/87    | 7200.00  |             | NR      |
| FYANADI          | PPB   | 5.00                        |                         | 08/19/87    | 0.00    | 08/28/87    |          | 08/28/87    |         |
|                  |       |                             |                         | 11/19/87    |         | 10/08/87    |          | 11/11/87    | 0.00    |
|                  |       |                             |                         |             | NR      | 10/15/87    |          |             | NR      |
|                  |       |                             |                         |             | NR      | 10/22/87    |          |             | NR      |
|                  |       |                             |                         |             | NR      | 10/29/87    |          |             | NR      |
|                  |       |                             |                         |             | NR      | 11/05/87    |          |             | NR      |
|                  |       |                             |                         |             | NR      | 11/11/87    | 0.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 11/18/87    | 7.00     |             | NR      |
| FZINC            | PPB   | 5.00                        |                         | 08/19/87    |         | 08/28/87    | 5.00     | 08/28/87    |         |
|                  |       |                             |                         | 11/19/87    |         | 10/08/87    | 5.00     | 11/11/87    |         |
|                  |       |                             |                         |             | NR      | 10/15/87    | 5.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 10/22/87    | 0.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 10/29/87    | 7.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 11/05/87    | 0.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 11/11/87    | 7.00     |             | NR      |
|                  |       |                             |                         |             | NR      | 11/18/87    | 5.00     |             | NR      |
| IRON             | PPB   | 50.00                       |                         | 08/19/87    |         | 08/28/87    | 51.00    | 08/28/87    |         |
|                  |       |                             |                         | 11/19/87    |         | 11/05/87    |          | 11/11/87    |         |
| MAGNES           | PPB   | 0.00                        |                         | 08/19/87    | 3030.00 | 08/28/87    | 9430.00  | 08/28/87    | 3500.00 |
|                  |       |                             |                         | 11/19/87    | 3090.00 | 11/05/87    | 3740.00  | 11/11/87    | 4530.00 |
| MANGESE          | PPB   | 5.00                        |                         | 08/19/87    |         | 08/28/87    |          | 08/28/87    | 5.00    |
|                  |       |                             |                         | 11/19/87    |         | 11/05/87    |          | 11/11/87    |         |

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# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
+ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.299

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-10  | SAMPLE DATE | 3-1-11           | SAMPLE DATE | 3-1-12  |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|------------------|-------------|---------|
| METHYCH          | PPB   | 10.00                       |                         | 08/19/87    |         | 08/26/87    | 18.00            | 08/26/87    |         |
|                  |       |                             |                         | 11/19/87    |         | 10/08/87    |                  | 11/11/87    |         |
|                  |       |                             |                         |             | NR      | 10/15/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 10/22/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 10/29/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/05/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/11/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/18/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 11/23/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 12/03/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 12/09/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 12/18/87    |                  |             | NR      |
|                  |       |                             |                         |             | NR      | 12/30/87    |                  |             | NR      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/19/87    | 1250.00 | 08/26/87    | 1330.00          | 08/26/87    | 1300.00 |
|                  |       |                             |                         | 11/19/87    | 1770.00 | 11/05/87    | 1750.00          | 11/11/87    | 1600.00 |
|                  |       |                             |                         |             | NR      | 12/09/87    | 2000.00          |             | NR      |
|                  |       |                             |                         |             | NR      | 12/18/87    | 2010.00          |             | NR      |
|                  |       |                             |                         |             | NR      | 12/30/87    | 1000.00          |             | NR      |
| PHFIELD          |       | 0.10                        |                         | 08/19/87    | 0.60    | 08/26/87    | 0.60             | 08/26/87    | 0.40    |
|                  |       |                             |                         | 11/19/87    | 7.20    | 10/08/87    | 7.00             | 11/11/87    | 7.10    |
|                  |       |                             |                         |             | NR      | 10/15/87    | 0.90             |             | NR      |
|                  |       |                             |                         |             | NR      | 10/22/87    | 0.30             |             | NR      |
|                  |       |                             |                         |             | NR      | 10/29/87    | 0.60             |             | NR      |
|                  |       |                             |                         |             | NR      | 11/05/87    | 0.90             |             | NR      |
|                  |       |                             |                         |             | NR      | 11/11/87    | 7.10             |             | NR      |
|                  |       |                             |                         |             | NR      | 11/18/87    | 7.30             |             | NR      |
|                  |       |                             |                         |             | NR      | 11/23/87    | 7.10             |             | NR      |
|                  |       |                             |                         |             | NR      | 12/03/87    | 0.00             |             | NR      |
|                  |       |                             |                         |             | NR      | 12/09/87    | 7.00             |             | NR      |
|                  |       |                             |                         |             | NR      | 12/18/87    | 7.20             |             | NR      |
|                  |       |                             |                         |             | NR      | 12/30/87    | 0.60             |             | NR      |
| POTASUM          | PPB   | 100.00                      |                         | 08/19/87    | 2430.00 | 08/26/87    | 2740.00          | 08/26/87    | 2150.00 |
|                  |       |                             |                         | 11/19/87    | 2690.00 | 11/05/87    | 1350.00          | 11/11/87    | 2590.00 |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/19/87    |         | 08/26/87    | 0.14<br>{ 0.14 } | 08/26/87    |         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-10      | 3-1-11   | 3-1-11      | 3-1-12   |             |          |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 11/19/87    |          | 11/05/87    |          | 11/11/87    |          |
| SODIUM           | PPB   | 100.00                      |                         | 08/19/87    | 7950.00  | 08/28/87    | 20000.00 | 08/28/87    | 9210.00  |
|                  |       |                             |                         | 11/19/87    | 8100.00  | 11/05/87    | 8550.00  | 11/11/87    | 15200.00 |
| SULFATE          | PPB   | 500.00                      |                         | 09/19/87    | 14200.00 | 08/26/87    | 13000.00 | 08/26/87    | 14200.00 |
|                  |       |                             |                         | 11/19/87    | 12900.00 | 11/05/87    | 13300.00 | 11/11/87    | 13700.00 |
|                  |       |                             |                         |             | NR       | 12/09/87    | 15000.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/18/87    | 13500.00 |             | NR       |
|                  |       |                             |                         |             | NR       | 12/30/87    | 13700.00 |             | NR       |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/19/87    | 11.40    | 10/08/87    | 33.90    | 11/11/87    | 48.10    |
|                  |       |                             |                         |             | NR       | 10/15/87    | 40.10    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/22/87    | 55.80    |             | NR       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 44.60    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/05/87    | 35.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/11/87    | 40.50    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/18/87    | 44.80    |             | NR       |
|                  |       |                             |                         |             | NR       | 11/23/87    | 40.10    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/03/87    | 54.20    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/09/87    | 60.00    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/18/87    | 61.40    |             | NR       |
|                  |       |                             |                         |             | NR       | 12/30/87    | 70.00    |             | NR       |
| VANADIUM         | PPB   | 5.00                        |                         | 08/19/87    |          | 08/26/87    | 5.00     | 08/26/87    |          |
|                  |       |                             |                         | 11/19/87    |          | 11/05/87    |          | 11/11/87    | 5.00     |
| ZINC             | PPB   | 5.00                        |                         | 08/19/87    |          | 08/26/87    | 0.00     | 08/26/87    | 0.00     |
|                  |       |                             |                         | 11/19/87    | 5.00     | 11/05/87    | 25.00    | 11/11/87    | 0.00     |

C.300

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS   | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 3-1-13      |          | 3-1-14      |          | 3-1-15      |          |
|------------------|---------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |         |                             |                         | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    |
| ALPHA            | PCI/L   | 4.00                        | 15.00                   | 08/25/87    | 11.30    | 08/26/87    | 12.50    | 08/19/87    | 6.32     |
|                  |         |                             |                         |             | { 2.47}  |             | { 2.38}  |             | { 2.27}  |
|                  |         |                             |                         | 08/25/87    | 11.00    | 11/18/87    | 10.00    | 11/18/87    | 5.25     |
|                  |         |                             |                         |             | { 2.48}  |             | { 2.28}  |             | { 1.70}  |
|                  |         |                             |                         | 11/18/87    | 10.10    |             | NR       |             | NR       |
|                  | { 2.30} |                             |                         |             |          |             |          |             |          |
|                  | { 2.40} |                             |                         |             |          |             |          |             |          |
|                  | { 2.55} |                             |                         |             |          |             |          |             |          |
| BARIUM           | PPB     | 8.00                        | 1000.00                 | 08/25/87    | 32.00    | 08/25/87    | 28.00    | 08/19/87    | 46.00    |
|                  |         |                             |                         | 11/18/87    | 22.00    | 11/18/87    | 17.00    | 11/18/87    | 22.00    |
| BETA             | PCI/L   | 8.00                        | 50.00                   | 08/25/87    | 11.00    | 08/26/87    | 9.18     | 08/19/87    | 13.10    |
|                  |         |                             |                         |             | { 4.18}  |             | { 3.83}  |             | { 4.63}  |
|                  |         |                             |                         | 08/25/87    | 7.58     | 11/18/87    | 5.84     | 11/18/87    | 5.81     |
|                  |         |                             |                         |             | { 3.85}  |             | { 3.52}  |             | { 3.46}  |
|                  |         |                             |                         | 11/18/87    | 7.65     |             | NR       |             | NR       |
|                  | { 3.88} |                             |                         |             |          |             |          |             |          |
|                  | { 4.38} |                             |                         |             |          |             |          |             |          |
|                  | { 3.37} |                             |                         |             |          |             |          |             |          |
| CADMIUM          | PPB     | 2.00                        | 10.00                   | 08/25/87    | 2.00     | 08/25/87    |          | 08/19/87    |          |
|                  |         |                             |                         | 11/18/87    |          | 11/18/87    |          | 11/18/87    |          |
| CALCIUM          | PPB     | 50.00                       |                         | 08/25/87    | 24300.00 | 08/25/87    | 18100.00 | 08/19/87    | 35100.00 |
|                  |         |                             |                         | 11/18/87    | 25100.00 | 11/18/87    | 21800.00 | 11/18/87    | 20000.00 |
| CHLFORM          | PPB     | 10.00                       | 100.00                  | 08/25/87    | 14.00    | 08/25/87    | 19.00    | 08/19/87    |          |
|                  |         |                             |                         | 08/25/87    | 14.00    | 11/18/87    | 11.00    | 11/18/87    | 11.00    |
|                  |         |                             |                         | 11/18/87    | 11.00    |             | NR       |             | NR       |
|                  |         |                             |                         | 11/18/87    | 11.00    |             | NR       |             | NR       |
| CHLORID          | PPB     | 500.00                      |                         | 08/25/87    | 9730.00  | 08/25/87    | 5720.00  | 08/19/87    | 17900.00 |
|                  |         |                             |                         | 08/25/87    | 9630.00  | 11/18/87    | 6060.00  | 11/18/87    | 7320.00  |
|                  |         |                             |                         | 11/18/87    | 8070.00  |             | NR       |             | NR       |
|                  |         |                             |                         | 11/18/87    | 8000.00  |             | NR       |             | NR       |
| CHROMIUM         | PPB     | 10.00                       | 50.00                   | 08/25/87    | 12.00    | 08/25/87    | 13.00    | 08/19/87    |          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.301

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-13      | 3-1-14   | 3-1-14      | 3-1-15   |             |          |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 11/18/87    | 10.00    | 11/18/87    | 10.00    | 11/18/87    |          |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/25/87    | 193.00   | 08/25/87    | 154.00   | 08/19/87    | 331.00   |
|                  |       |                             |                         | 11/18/87    | 214.00   | 11/18/87    | 175.00   | 11/18/87    | 160.00   |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/25/87    |          | 08/25/87    | 13.00    | 08/19/87    |          |
|                  |       |                             |                         | 11/18/87    |          | 11/18/87    | 10.00    | 11/18/87    |          |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 08/25/87    | 24.00    | 08/25/87    | 24.00    | 08/19/87    | 42.00    |
|                  |       |                             |                         | 08/25/87    | 29.00    | 11/18/87    | 20.00    | 11/18/87    | 22.00    |
|                  |       |                             |                         | 11/18/87    | 27.00    |             | NR       |             | NR       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/25/87    |          | 08/25/87    |          | 08/19/87    | 2.00     |
|                  |       |                             |                         | 08/25/87    |          | 11/18/87    |          | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    |          |             | NR       |             | NR       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/25/87    | 25300.00 | 08/25/87    | 18000.00 | 08/19/87    | 39200.00 |
|                  |       |                             |                         | 08/25/87    | 24000.00 | 11/18/87    | 21000.00 | 11/18/87    | 21400.00 |
|                  |       |                             |                         | 11/18/87    | 24500.00 |             | NR       |             | NR       |
| FCOPPER          | PPB   | 10.00                       | (1300.0)                | 08/25/87    |          | 08/25/87    |          | 08/19/87    |          |
|                  |       |                             |                         | 08/25/87    |          | 11/18/87    | 11.00    | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    |          |             | NR       |             | NR       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/25/87    |          | 08/25/87    |          | 08/19/87    |          |
|                  |       |                             |                         | 08/25/87    |          | 11/18/87    |          | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    | 503.00   |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    | 528.00   |             | NR       |             | NR       |
| FMAGNES          | PPB   | 0.00                        |                         | 08/25/87    | 8300.00  | 08/25/87    | 4110.00  | 08/19/87    | 10800.00 |
|                  |       |                             |                         | 08/25/87    | 8200.00  | 11/18/87    | 4300.00  | 11/18/87    | 5200.00  |
|                  |       |                             |                         | 11/18/87    | 5300.00  |             | NR       |             | NR       |
| FPOTASS          | PPB   | 100.00                      |                         | 08/25/87    | 3940.00  | 08/25/87    | 2700.00  | 08/19/87    | 5420.00  |
|                  |       |                             |                         | 08/25/87    | 3910.00  | 11/18/87    | 2700.00  | 11/18/87    | 4100.00  |
|                  |       |                             |                         | 11/18/87    | 3000.00  |             | NR       |             | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/25/87    | 11000.00 | 08/25/87    | 8100.00  | 08/19/87    | 20500.00 |
|                  |       |                             |                         | 08/25/87    | 11000.00 | 11/18/87    | 7140.00  | 11/18/87    | 11200.00 |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.302

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |         | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|---------|-------------|----------|
|                  |       |                             |                         | 3-1-13      | 3-1-14   | 3-1-14      | 3-1-15  |             |          |
| FSODIUM          | PPB   | 100.00                      |                         | 11/18/87    | 10300.00 |             | NR      |             | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 08/25/87    | 8.00     | 08/25/87    | 5.00    | 08/19/87    | 11.00    |
|                  |       |                             |                         | 08/25/87    | 7.00     | 11/18/87    |         | 11/18/87    | 7.00     |
|                  |       |                             |                         | 11/18/87    |          |             | NR      |             | NR       |
| FZINC            | PPB   | 5.00                        |                         | 08/25/87    | 44.00    | 08/25/87    |         | 08/19/87    |          |
|                  |       |                             |                         | 08/25/87    | 8.00     | 11/18/87    |         | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    |          |             | NR      |             | NR       |
| IRDN             | PPB   | 50.00                       |                         | 08/25/87    | 78.00    | 08/25/87    |         | 08/19/87    | 60.00    |
|                  |       |                             |                         | 11/18/87    | 88.00    | 11/18/87    | 87.00   | 11/18/87    |          |
| WAGNES           | PPB   | 0.00                        |                         | 08/25/87    | 6090.00  | 08/25/87    | 4120.00 | 08/19/87    | 10700.00 |
|                  |       |                             |                         | 11/18/87    | 5450.00  | 11/18/87    | 4370.00 | 11/18/87    | 4880.00  |
| WANGESE          | PPB   | 5.00                        |                         | 08/25/87    | 5.00     | 08/25/87    | 5.00    | 08/19/87    |          |
|                  |       |                             |                         | 11/18/87    |          | 11/18/87    |         | 11/18/87    |          |
| METHDME          | PPB   | 10.00                       |                         | 08/25/87    |          | 08/25/87    |         | 08/19/87    |          |
|                  |       |                             |                         | 08/25/87    |          | 11/18/87    |         | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    | 18.00    |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    | 17.00    |             | NR      |             | NR       |
| METHYCH          | PPB   | 10.00                       |                         | 08/25/87    |          | 08/25/87    |         | 08/19/87    |          |
|                  |       |                             |                         | 08/25/87    |          | 11/18/87    | 39.00   | 11/18/87    |          |
|                  |       |                             |                         | 11/18/87    |          |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    |          |             | NR      |             | NR       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/25/87    | 6200.00  | 08/25/87    | 1870.00 | 08/19/87    | 19300.00 |
|                  |       |                             |                         | 08/25/87    | 8050.00  | 11/18/87    | 1880.00 | 11/18/87    | 1970.00  |
|                  |       |                             |                         | 11/18/87    | 3520.00  |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    | 3520.00  |             | NR      |             | NR       |
| PHFIELD          |       | 0.10                        |                         | 08/25/87    | 7.30     | 08/25/87    | 7.10    | 08/19/87    | 7.30     |
|                  |       |                             |                         | 11/18/87    | 7.50     | 11/18/87    | 7.30    | 11/18/87    | 7.70     |
| POTASUM          | PPB   | 100.00                      |                         | 08/25/87    | 3710.00  | 08/25/87    | 2830.00 | 08/19/87    | 5650.00  |
|                  |       |                             |                         | 11/18/87    | 3690.00  | 11/18/87    | 2740.00 | 11/18/87    | 4690.00  |

C.303

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-13   |  | SAMPLE DATE | 3-1-14   |  | SAMPLE DATE | 3-1-15   |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|--|-------------|----------|--|
|                  |       |                             |                         |             |          |  |             |          |  |             |          |  |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/25/87    | 0.27     |  | 08/25/87    |          |  | 08/19/87    |          |  |
|                  |       |                             |                         | 11/18/87    | { 0.20 } |  | 11/18/87    |          |  | 11/18/87    |          |  |
| SODIUM           | PPB   | 100.00                      |                         | 08/25/87    | 11500.00 |  | 08/25/87    | 8100.00  |  | 08/19/87    | 21100.00 |  |
|                  |       |                             |                         | 11/18/87    | 10100.00 |  | 11/18/87    | 7350.00  |  | 11/18/87    | 9790.00  |  |
| SULFATE          | PPB   | 500.00                      |                         | 08/25/87    | 24200.00 |  | 08/25/87    | 14000.00 |  | 08/19/87    | 45000.00 |  |
|                  |       |                             |                         | 08/25/87    | 23300.00 |  | 11/18/87    | 12000.00 |  | 11/18/87    | 14500.00 |  |
|                  |       |                             |                         | 11/18/87    | 17500.00 |  |             | NR       |  |             | NR       |  |
|                  |       |                             |                         | 11/18/87    | 17300.00 |  |             | NR       |  |             | NR       |  |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/18/87    | 13.10    |  | 11/18/87    | 10.10    |  | 11/18/87    | 7.07     |  |
|                  |       |                             |                         | 11/18/87    | 14.10    |  |             | NR       |  |             | NR       |  |
| VANADUM          | PPB   | 5.00                        |                         | 08/25/87    | 8.00     |  | 08/25/87    | 9.00     |  | 08/19/87    | 6.00     |  |
|                  |       |                             |                         | 11/18/87    |          |  | 11/18/87    |          |  | 11/18/87    | 10.00    |  |
| ZINC             | PPB   | 5.00                        |                         | 08/25/87    | 8.00     |  | 08/25/87    | 10.00    |  | 08/19/87    |          |  |
|                  |       |                             |                         | 11/18/87    |          |  | 11/18/87    |          |  | 11/18/87    |          |  |

C.304

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.305

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-18A     | 3-1-18B  | 3-1-18B     | 3-1-18C  |             |          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/19/87    | 10.30    | 08/19/87    | 2.10     | 08/19/87    |          |
|                  |       |                             |                         | 11/16/87    | { 2.84}  | 11/16/87    | { 1.55}  | 11/16/87    |          |
|                  |       |                             |                         | 11/16/87    | { 2.30}  | 11/16/87    | { 1.55}  |             | NR       |
|                  |       |                             |                         | { 2.10}     |          |             |          |             |          |
| AMMONIU          | PPB   | 50.00                       |                         | 08/19/87    |          | 08/19/87    | 97.00    | 08/19/87    | 135.00   |
|                  |       |                             |                         | 11/16/87    |          | 11/16/87    | 100.00   | 11/16/87    | 80.00    |
|                  |       |                             |                         | 11/16/87    |          |             | NR       |             | NR       |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 08/19/87    | 20.00    | 08/19/87    | 50.00    | 08/19/87    | 80.00    |
|                  |       |                             |                         | 11/16/87    | 20.00    | 11/16/87    | 50.00    | 11/16/87    | 85.00    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/19/87    | 5.01     | 08/19/87    | 8.50     | 08/19/87    | 9.20     |
|                  |       |                             |                         | 11/16/87    | { 3.57}  | 11/16/87    | { 4.00}  | 11/16/87    | { 4.22}  |
|                  |       |                             |                         | 11/16/87    | { 3.50}  | 11/16/87    | { 3.70}  | 11/16/87    | { 3.00}  |
|                  |       |                             |                         | { 7.53}     |          |             |          | NR          |          |
|                  |       |                             |                         | { 3.57}     |          |             |          |             |          |
| CALCIUM          | PPB   | 50.00                       |                         | 08/19/87    | 15000.00 | 08/19/87    | 18400.00 | 08/19/87    | 11300.00 |
|                  |       |                             |                         | 11/16/87    | 18000.00 | 11/16/87    | 16300.00 | 11/16/87    | 14400.00 |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/19/87    | 24.00    | 08/19/87    |          | 08/19/87    |          |
|                  |       |                             |                         | 11/16/87    | 15.00    | 11/16/87    |          | 11/16/87    |          |
|                  |       |                             |                         | 11/16/87    | 15.00    |             | NR       |             | NR       |
| CHLORID          | PPB   | 500.00                      |                         | 08/19/87    | 10700.00 | 08/19/87    | 11200.00 | 08/19/87    | 11100.00 |
|                  |       |                             |                         | 11/16/87    | 22000.00 | 11/16/87    | 12100.00 | 11/16/87    | 11700.00 |
|                  |       |                             |                         | 11/16/87    | 22500.00 |             | NR       |             | NR       |
| CHROMUM          | PPB   | 10.00                       | 50.00                   | 08/19/87    |          | 08/19/87    |          | 08/19/87    |          |
|                  |       |                             |                         | 11/16/87    | 11.00    | 11/16/87    | 10.00    | 11/16/87    | 20.00    |
| CONDFLD          | UMHQ  | 1.00                        |                         | 08/19/87    | 159.00   | 08/19/87    | 200.00   | 08/19/87    | 330.00   |
|                  |       |                             |                         | 11/16/87    | 194.00   | 11/16/87    | 322.00   | 11/16/87    | 310.00   |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 08/19/87    |          | 08/19/87    |          | 08/19/87    |          |

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 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE |          |          |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------|----------|
|                  |       |                             |                         |             | 3-1-18A     | 3-1-18B  | 3-1-18C     | 3-1-18C  |          |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 11/18/87    | 10.00       | 11/18/87 |             | 11/18/87 |          |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/19/87    | 28.00       | 08/19/87 | 56.00       | 08/19/87 | 87.00    |
|                  |       |                             |                         | 11/18/87    | 33.00       | 11/18/87 | 58.00       | 11/18/87 | 80.00    |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/19/87    | 2.00        | 08/19/87 | 2.00        | 08/19/87 |          |
|                  |       |                             |                         | 11/18/87    |             | 11/18/87 |             | 11/18/87 |          |
| FCALCIU          | PPB   | 50.00                       |                         | 08/19/87    | 16700.00    | 08/19/87 | 17100.00    | 08/19/87 | 11400.00 |
|                  |       |                             |                         | 11/18/87    | 20900.00    | 11/18/87 | 26700.00    | 11/18/87 | 14100.00 |
| FIRON            | PPB   | 50.00                       |                         | 08/19/87    |             | 08/19/87 | 85.00       | 08/19/87 | 82.00    |
|                  |       |                             |                         | 11/18/87    |             | 11/18/87 | 87.00       | 11/18/87 |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/19/87    |             | 08/19/87 | 1820.00     | 08/19/87 | 1350.00  |
|                  |       |                             |                         | 11/18/87    | 550.00      | 11/18/87 | 1970.00     | 11/18/87 | 1650.00  |
|                  |       |                             |                         | 11/18/87    | 537.00      |          | NR          |          | NR       |
| FMAGNES          | PPB   | 0.00                        |                         | 08/19/87    | 3420.00     | 08/19/87 | 6380.00     | 08/19/87 | 4900.00  |
|                  |       |                             |                         | 11/18/87    | 4130.00     | 11/18/87 | 6800.00     | 11/18/87 | 5120.00  |
| FMANGAN          | PPB   | 5.00                        |                         | 08/19/87    |             | 08/19/87 | 86.00       | 08/19/87 | 53.00    |
|                  |       |                             |                         | 11/18/87    |             | 11/18/87 | 98.00       | 11/18/87 | 14.00    |
| FPOTASS          | PPB   | 100.00                      |                         | 08/19/87    | 2340.00     | 08/19/87 | 5170.00     | 08/19/87 | 6440.00  |
|                  |       |                             |                         | 11/18/87    | 3090.00     | 11/18/87 | 5860.00     | 11/18/87 | 6340.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/19/87    | 11300.00    | 08/19/87 | 51200.00    | 08/19/87 | 58900.00 |
|                  |       |                             |                         | 11/18/87    | 13500.00    | 11/18/87 | 54700.00    | 11/18/87 | 56200.00 |
| FVANADI          | PPB   | 5.00                        |                         | 08/19/87    |             | 08/19/87 | 6.00        | 08/19/87 |          |
| FZINC            | PPB   | 5.00                        |                         | 08/19/87    | 13.00       | 08/19/87 | 6.00        | 08/19/87 |          |
|                  |       |                             |                         | 11/18/87    | 10.00       | 11/18/87 |             | 11/18/87 | 41.00    |
| IRON             | PPB   | 50.00                       |                         | 08/19/87    |             | 08/19/87 | 120.00      | 08/19/87 | 105.00   |
|                  |       |                             |                         | 11/18/87    |             | 11/18/87 | 119.00      | 11/18/87 | 160.00   |
| WAGNES           | PPB   | 0.00                        |                         | 08/19/87    | 3360.00     | 08/19/87 | 6420.00     | 08/19/87 | 5120.00  |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.306

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      |                                  | SAMPLE DATE          |  | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|----------------------------------|----------------------|--|----------------------|----------------------|
|                  |       |                             |                         | 3-1-16A                          | 3-1-16B                          | 3-1-16B              | 3-1-16C                                  |                      |                      |
| MAGNES           | PPB   | 0.00                        |                         | 11/16/87                         | 4050.00                          | 11/16/87             | 6290.00                                  | 11/16/87             | 6210.00              |
| MANGESE          | PPB   | 5.00                        |                         | 08/19/87<br>11/16/87             |                                  | 08/19/87<br>11/16/87 | 80.00<br>83.00                           | 08/19/87<br>11/16/87 | 53.00<br>33.00       |
| METHONE          | PPB   | 10.00                       |                         | 08/19/87<br>11/16/87<br>11/16/87 | 11.00<br>11.00                   | 08/19/87<br>11/16/87 | 23.00<br>NR                              | 08/19/87<br>11/16/87 | NR                   |
| NICKEL           | PPB   | 10.00                       |                         | 08/19/87<br>11/16/87             | 10.00                            | 08/19/87<br>11/16/87 |  | 08/19/87<br>11/16/87 |                      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/19/87<br>11/16/87<br>11/16/87 | 2270.00<br>2010.00<br>2040.00    | 08/19/87<br>11/16/87 | NR                                       | 08/19/87<br>11/16/87 | NR                   |
| PHFIELD          |       | 0.10                        |                         | 08/19/87<br>11/16/87             | 7.00<br>7.00                     | 08/19/87<br>11/16/87 | 7.00<br>8.30                             | 08/19/87<br>11/16/87 | 7.00<br>7.00         |
| POTASUM          | PPB   | 100.00                      |                         | 08/19/87<br>11/16/87             | 2270.00<br>2840.00               | 08/19/87<br>11/16/87 | 5200.00<br>5260.00                       | 08/19/87<br>11/16/87 | 6580.00<br>6660.00   |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/19/87<br>11/16/87             | 0.14<br>{ 0.13 }                 | 08/19/87<br>11/16/87 | 0.17<br>{ 0.15 }<br>{ 0.22 }<br>{ 0.15 } | 08/19/87<br>11/16/87 |                      |
| SODIUM           | PPB   | 100.00                      |                         | 08/19/87<br>11/16/87             | 11200.00<br>12400.00             | 08/19/87<br>11/16/87 | 52800.00<br>50300.00                     | 08/19/87<br>11/16/87 | 62100.00<br>58300.00 |
| SULFATE          | PPB   | 500.00                      |                         | 08/19/87<br>11/16/87<br>11/16/87 | 15000.00<br>14100.00<br>14400.00 | 08/19/87<br>11/16/87 | 5860.00<br>6710.00<br>NR                 | 08/19/87<br>11/16/87 | 4970.00<br>NR        |
| TRANDCE          | PPB   | 10.00                       | ( 70.0 )                | 11/16/87<br>11/16/87             |                                  | 08/19/87<br>11/16/87 | 63.00<br>63.00                           | 11/16/87             | NR                   |
| TRICENE          | PPB   | 10.00                       | 5.00                    | 08/19/87<br>11/16/87             |                                  | 08/19/87<br>11/16/87 | 19.00 *<br>21.00 *                       | 08/19/87<br>11/16/87 |                      |

C.307

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 3-1-16A | SAMPLE<br>DATE | 3-1-16B | SAMPLE<br>DATE | 3-1-16C |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|---------|----------------|---------|
| TRICENE             | PPB   | 10.00                             | 5.00                          | 11/16/87       |         |                | NR      |                | NR      |
| U-CHEM              | UG/L  | 0.73                              |                               | 11/16/87       | 12.90   | 11/16/87       | 4.12    | 11/16/87       | 2.51    |
|                     |       |                                   |                               | 11/16/87       | 13.20   |                | NR      |                | NR      |
| VANADUM             | PPB   | 5.00                              |                               | 08/19/87       | 6.00    | 08/19/87       |         | 08/19/87       |         |
|                     |       |                                   |                               | 11/16/87       |         | 11/16/87       |         | 11/16/87       |         |
| ZINC                | PPB   | 5.00                              |                               | 08/19/87       | 13.00   | 08/19/87       | 9.00    | 08/19/87       |         |
|                     |       |                                   |                               | 11/16/87       | 23.00   | 11/16/87       | 40.00   | 11/16/87       | 60.00   |

C.308

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |          |
|------------------|----------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|----------|
|                  |          |                             |                         |             | 3-1-17A     | 3-1-17B  |             |             |          |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 08/20/87    | 44.00 +     | 08/20/87 | 08/25/87    |             |          |
|                  |          |                             |                         | 11/05/87    | { 4.05 }    | 11/05/87 | 11/06/87    |             |          |
|                  |          |                             |                         |             | { 50.50 + } |          |             |             |          |
|                  |          |                             |                         |             | { 5.29 }    |          |             |             |          |
| AMMONIU          | PPB      | 50.00                       |                         | 08/20/87    |             | 08/20/87 | 08/25/87    | 90.00       |          |
|                  |          |                             |                         | 11/05/87    |             | 11/05/87 | 11/06/87    | 80.00       |          |
| BARIUM           | PPB      | 8.00                        | 1000.00                 | 08/20/87    | 22.00       | 08/20/87 | 08/25/87    | 84.00       |          |
|                  |          |                             |                         | 11/05/87    | 31.00       | 11/05/87 | 11/06/87    | 83.00       |          |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 08/20/87    | 39.20       | 08/20/87 | 08/25/87    | 54.70 +     |          |
|                  |          |                             |                         | 11/05/87    | { 6.00 }    | 11/05/87 | 11/06/87    | { 7.30 }    |          |
|                  |          |                             |                         |             | { 17.00 }   |          |             | { 9.48 }    |          |
|                  |          |                             |                         |             | { 3.20 }    |          |             | { 2.70 }    |          |
| CALCIUM          | PPB      | 50.00                       |                         | 08/20/87    | 14100.00    | 08/20/87 | 08/25/87    | 8980.00     |          |
|                  |          |                             |                         | 11/05/87    | 25800.00    | 11/05/87 | 11/06/87    | 9490.00     |          |
| CHLFORM          | PPB      | 10.00                       | 100.00                  | 08/20/87    | 19.00       | 08/20/87 | 08/25/87    |             |          |
|                  |          |                             |                         | 10/00/87    | 16.00       | 11/05/87 | 11/06/87    |             |          |
|                  |          |                             |                         | 10/15/87    | 15.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 10/22/87    | 15.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 10/29/87    | 13.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 11/05/87    | 13.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 11/11/87    | 11.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 11/18/87    | 12.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 11/23/87    | 11.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 12/03/87    | 12.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 12/09/87    | 11.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 12/10/87    | 11.00       |          |             | NR          | NR       |
|                  |          |                             |                         | 12/30/87    | 12.00       |          |             | NR          | NR       |
|                  |          |                             |                         | CHLORID     | PPB         | 500.00   |             | 08/20/87    | 13500.00 |
| 11/05/87         | 47700.00 | 11/05/87                    | 11/06/87                |             |             |          |             | 10000.00    |          |
| 12/09/87         | 46500.00 |                             |                         |             |             |          |             | NR          | NR       |
| 12/10/87         | 52700.00 |                             |                         |             |             |          |             | NR          | NR       |
| 12/30/87         | 30000.00 |                             |                         |             |             |          |             | NR          | NR       |

C.309

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |         | SAMPLE DATE |          | SAMPLE DATE |         |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|---------|
|                  |       |                             |                         | 3-1-17A     | 3-1-17B | 3-1-17A     | 3-1-17B  | 3-1-17A     | 3-1-17B |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 08/20/87    |         | 08/20/87    | 10.00    | 08/25/87    |         |
|                  |       |                             |                         | 11/05/87    |         | 11/05/87    | 14.00    | 11/08/87    |         |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/20/87    | 151.00  | 08/20/87    | 295.00   | 08/25/87    | 319.00  |
|                  |       |                             |                         | 10/08/87    | 208.00  | 11/05/87    | 330.00   | 11/08/87    | 338.00  |
|                  |       |                             |                         | 10/15/87    | 151.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 10/22/87    | 255.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 10/29/87    | 305.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 11/05/87    | 291.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 11/11/87    | 228.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 11/18/87    | 232.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 11/23/87    | 197.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 12/03/87    | 217.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 12/09/87    | 259.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 12/18/87    | 260.00  |             | NR       |             | NR      |
|                  |       |                             |                         | 12/30/87    | 208.00  |             | NR       |             | NR      |
|                  |       |                             |                         | COPPER      | PPB     | 10.00       | (1300.0) | 08/20/87    | 24.00   |
| 11/05/87         | 22.00 | 11/05/87                    |                         |             |         |             |          | 11/08/87    |         |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/20/87    | 18.00   | 08/20/87    | 59.00    | 08/25/87    | 80.00   |
|                  |       |                             |                         | 10/08/87    | 22.00   | 11/05/87    | 80.00    | 11/08/87    | 81.00   |
|                  |       |                             |                         | 10/15/87    | 20.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 10/22/87    | 32.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 10/29/87    | 42.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 11/05/87    | 38.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 11/11/87    | 26.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 11/18/87    | 26.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 11/23/87    | 25.00   |             | NR       |             | NR      |
|                  |       |                             |                         | 12/03/87    | 28.00   |             | NR       |             | NR      |
|                  |       |                             |                         | FCADMIU     | PPB     | 2.00        | 10.00    | 08/20/87    | 2.00    |
| 10/08/87         |       | 11/05/87                    |                         |             |         |             |          | 11/08/87    |         |
| 10/15/87         |       |                             | NR                      |             |         |             |          |             | NR      |
| 10/22/87         |       |                             | NR                      |             |         |             |          |             | NR      |
| 10/29/87         |       |                             | NR                      |             |         |             |          |             | NR      |
| 11/05/87         |       |                             | NR                      |             |         |             |          |             | NR      |

C.310

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |          |          |        |          |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|----------|----------|--------|----------|-------|
|                  |       |                             |                         |             | 3-1-17A     | 3-1-17B  |             |             |          |          |        |          |       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 11/18/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/23/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 12/03/87    |             |          | NR          | NR          |          |          |        |          |       |
| FCALCIU          | PPB   | 50.00                       |                         | 08/20/87    | 15300.00    | 08/20/87 | 16500.00    | 08/25/87    | 0570.00  |          |        |          |       |
|                  |       |                             |                         | 10/08/87    | 18300.00    | 11/05/87 | 18100.00    | 11/06/87    | 10700.00 |          |        |          |       |
|                  |       |                             |                         | 10/15/87    | 16000.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 10/22/87    | 21600.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 10/29/87    | 31500.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/05/87    | 27700.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/11/87    | 22000.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/18/87    | 20000.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/23/87    | 19700.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 12/03/87    | 20600.00    |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | FCOPPER     | PPB         | 10.00    | (1300.0)    | 08/20/87    |          | 08/20/87 |        | 08/25/87 |       |
|                  |       |                             |                         |             |             |          |             | 10/08/87    | 11.00    | 11/05/87 |        | 11/06/87 |       |
| 10/15/87         |       |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 10/22/87         | 10.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 10/29/87         | 15.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 11/05/87         | 21.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 11/11/87         | 16.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 11/18/87         | 20.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 11/23/87         | 22.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| 12/03/87         | 20.00 |                             | NR                      |             |             |          |             | NR          |          |          |        |          |       |
| FIRON            | PPB   | 50.00                       |                         |             |             |          |             | 08/20/87    |          | 08/20/87 | 191.00 | 08/25/87 | 75.00 |
|                  |       |                             |                         | 10/08/87    |             | 11/05/87 | 140.00      | 11/06/87    | 80.00    |          |        |          |       |
|                  |       |                             |                         | 10/15/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 10/22/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 10/29/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/05/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/11/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/18/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 11/23/87    |             |          | NR          | NR          |          |          |        |          |       |
|                  |       |                             |                         | 12/03/87    |             |          | NR          | NR          |          |          |        |          |       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/20/87    |             | 08/20/87 | 740.00      | 08/25/87    | 1340.00  |          |        |          |       |
|                  |       |                             |                         | 11/05/87    | 507.00      | 11/05/87 | 1130.00     | 11/06/87    | 1850.00  |          |        |          |       |

C.311

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-17A | SAMPLE DATE | 3-1-17B | SAMPLE DATE | 3-1-17C  |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|---------|-------------|----------|
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 12/09/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 12/10/87    | 507.00  |             | NR      |             | NR       |
|                  |       |                             |                         | 12/30/87    | 526.00  |             | NR      |             | NR       |
| FMAGNES          | PPB   | 0.00                        |                         | 08/20/87    | 3400.00 | 08/20/87    | 6400.00 | 08/25/87    | 4400.00  |
|                  |       |                             |                         | 10/00/87    | 3610.00 | 11/05/87    | 6520.00 | 11/06/87    | 4850.00  |
|                  |       |                             |                         | 10/15/87    | 3090.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 10/22/87    | 4720.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 10/29/87    | 7000.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 11/05/87    | 5900.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 11/11/87    | 4920.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    | 4660.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 11/23/87    | 4760.00 |             | NR      |             | NR       |
|                  |       |                             |                         | 12/03/87    | 4610.00 |             | NR      |             | NR       |
| FMANGAN          | PPB   | 5.00                        |                         | 08/20/87    |         | 08/20/87    | 66.00   | 08/25/87    | 22.00    |
|                  |       |                             |                         | 10/00/87    |         | 11/05/87    | 63.00   | 11/06/87    | 24.00    |
|                  |       |                             |                         | 10/15/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 10/22/87    | 10.00   |             | NR      |             | NR       |
|                  |       |                             |                         | 10/29/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/05/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/11/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/23/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 12/03/87    |         |             | NR      |             | NR       |
| FNICKEL          | PPB   | 10.00                       |                         | 08/20/87    |         | 08/20/87    |         | 08/25/87    |          |
|                  |       |                             |                         | 10/00/87    |         | 11/05/87    |         | 11/06/87    |          |
|                  |       |                             |                         | 10/15/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 10/22/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 10/29/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/05/87    | 10.00   |             | NR      |             | NR       |
|                  |       |                             |                         | 11/11/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/18/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 11/23/87    |         |             | NR      |             | NR       |
|                  |       |                             |                         | 12/03/87    |         |             | NR      |             | NR       |
| FPOTASS          | PPB   | 100.00                      |                         | 08/20/87    | 2020.00 | 08/20/87    | 5820.00 | 08/25/87    | 10700.00 |
|                  |       |                             |                         | 10/00/87    | 2280.00 | 11/05/87    | 6000.00 | 11/06/87    | 11100.00 |

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 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-17A  | SAMPLE DATE | 3-1-17B  | SAMPLE DATE | 3-1-17C  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
| FPOTASS          | PPB   | 100.00                      |                         | 10/15/87    | 2050.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    | 2280.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    | 3070.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    | 2790.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    | 2450.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    | 2500.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 11/23/87    | 2410.00  |             | NR       |             | NR       |
|                  |       |                             |                         | 12/03/87    | 2170.00  |             | NR       |             | NR       |
| FSODIUM          | PPB   | 100.00                      |                         | 08/20/87    | 12200.00 | 08/20/87    | 48100.00 | 08/25/87    | 64200.00 |
|                  |       |                             |                         | 10/08/87    | 12500.00 | 11/05/87    | 49900.00 | 11/08/87    | 71400.00 |
|                  |       |                             |                         | 10/15/87    | 10800.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    | 13100.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    | 18400.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    | 17600.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    | 15700.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    | 17300.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 11/23/87    | 17400.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 12/03/87    | 18600.00 |             | NR       |             | NR       |
| FVANADI          | PPB   | 5.00                        |                         | 08/20/87    | 5.00     | 08/20/87    |          | 08/25/87    |          |
|                  |       |                             |                         | 10/08/87    |          | 11/05/87    |          | 11/08/87    |          |
|                  |       |                             |                         | 10/15/87    | 6.00     |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    | 7.00     |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    | 7.00     |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    | 5.00     |             | NR       |             | NR       |
| 11/23/87         | 5.00  |                             | NR                      |             | NR       |             |          |             |          |
| 12/03/87         | 8.00  |                             | NR                      |             | NR       |             |          |             |          |
| FZINC            | PPB   | 5.00                        |                         | 08/20/87    |          | 08/20/87    |          | 08/25/87    |          |
|                  |       |                             |                         | 10/08/87    |          | 11/05/87    |          | 11/08/87    |          |
|                  |       |                             |                         | 10/15/87    | 9.00     |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    | 5.00     |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    | 7.00     |             | NR       |             | NR       |
| 11/18/87         |       |                             | NR                      |             | NR       |             |          |             |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE  | 3-1-17A   | SAMPLE DATE          | 3-1-17B              | SAMPLE DATE          | 3-1-17C              |
|------------------|-------|-----------------------------|-------------------------|--|---|----------------------|----------------------|----------------------|----------------------|
| FZINC            | PPB   | 5.00                        |                         | 11/23/87<br>12/03/87                                     |   |                      | NR<br>NR             |                      | NR<br>NR             |
| IRON             | PPB   | 50.00                       |                         | 08/20/87<br>11/05/87                                     | 115.00  | 08/20/87<br>11/05/87 | 154.00<br>173.00     | 08/25/87<br>11/06/87 | 84.00<br>87.00       |
| MAGNES           | PPB   | 0.00                        |                         | 08/20/87<br>11/05/87                                     | 3500.00<br>5810.00                                  | 08/20/87<br>11/05/87 | 6250.00<br>8450.00   | 08/25/87<br>11/06/87 | 4850.00<br>4770.00   |
| MANGESE          | PPB   | 5.00                        |                         | 08/20/87<br>11/05/87                                     |   | 08/20/87<br>11/05/87 | 50.00<br>62.00       | 08/25/87<br>11/06/87 | 23.00<br>24.00       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/20/87<br>11/05/87<br>12/09/87<br>12/18/87<br>12/30/87 | 1570.00<br>1720.00<br>1970.00<br>2060.00<br>1730.00 | 08/20/87<br>11/05/87 |                      | 08/25/87<br>11/06/87 |                      |
| PHFIELD          |       | 0.10                        |                         | 08/20/87   | 6.30  | 08/20/87             | 7.40                 | 08/25/87             | 8.10                 |
|                  |       |                             |                         | 10/08/87   | 7.00  | 11/05/87             | 5.30                 | 11/06/87             | 7.00                 |
|                  |       |                             |                         | 10/15/87   | 6.70  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 10/22/87   | 6.40  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 10/29/87   | 6.30  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 11/05/87   | 6.10  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 11/11/87   | 6.70  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 11/18/87   | 6.00  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 11/23/87   | 6.90  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 12/03/87   | 6.70  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 12/09/87   | 6.70  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 12/18/87   | 6.90  |                      | NR                   |                      | NR                   |
|                  |       |                             |                         | 12/30/87   | 6.40  |                      | NR                   |                      | NR                   |
| POTASUM          | PPB   | 100.00                      |                         | 08/20/87<br>11/05/87                                     | 2230.00<br>2810.00                                  | 08/20/87<br>11/05/87 | 5900.00<br>6530.00   | 08/25/87<br>11/06/87 | 11200.00<br>11300.00 |
| SODIUM           | PPB   | 100.00                      |                         | 08/20/87<br>11/05/87                                     | 13300.00<br>17000.00                                | 08/20/87<br>11/05/87 | 43700.00<br>50600.00 | 08/25/87<br>11/06/87 | 67200.00<br>88300.00 |
| SULFATE          | PPB   | 500.00                      |                         | 3/20/87  | 13000.00  | 08/20/87             | 4340.00              | 08/25/87             |                      |

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 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.314

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-17A  | SAMPLE DATE          | 3-1-17B        | SAMPLE DATE | 3-1-17C  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|----------------------|----------------|-------------|----------|
| SULFATE          | PPB   | 500.00                      |                         | 11/05/87    | 14400.00 | 11/05/87             | 2900.00        | 11/06/87    | NR       |
|                  |       |                             |                         | 12/09/87    | 16300.00 |                      | NR             |             |          |
|                  |       |                             |                         | 12/18/87    | 14600.00 |                      | NR             |             |          |
|                  |       |                             |                         | 12/30/87    | 13000.00 |                      | NR             |             |          |
| TRANDCE          | PPB   | 10.00                       | ( 70.0)                 | 11/05/87    | NR       | 08/20/87<br>11/05/87 | 25.00<br>17.00 |             | NR<br>NR |
|                  |       |                             |                         |             |          |                      |                |             |          |
| U-CHEM           | UG/L  | 0.73                        |                         | 10/08/87    | 44.50    |                      | NR             |             | NR       |
|                  |       |                             |                         | 10/15/87    | 42.10    |                      | NR             |             |          |
|                  |       |                             |                         | 10/22/87    | 43.20    |                      | NR             |             |          |
|                  |       |                             |                         | 10/29/87    | 57.70    |                      | NR             |             |          |
|                  |       |                             |                         | 11/05/87    | 47.30    |                      | NR             |             |          |
|                  |       |                             |                         | 11/11/87    | 56.40    |                      | NR             |             |          |
|                  |       |                             |                         | 11/18/87    | 59.00    |                      | NR             |             |          |
|                  |       |                             |                         | 11/23/87    | 64.10    |                      | NR             |             |          |
|                  |       |                             |                         | 12/03/87    | 66.70    |                      | NR             |             |          |
|                  |       |                             |                         | 12/09/87    | 59.00    |                      | NR             |             |          |
|                  |       |                             |                         | 12/18/87    | 103.00   |                      | NR             |             |          |
|                  |       |                             |                         | 12/30/87    | 08.20    |                      | NR             |             |          |
|                  |       |                             |                         | ZINC        | PPB      |                      | 5.00           |             |          |
| 11/05/87         |       |                             |                         |             |          |                      |                |             |          |

C.315

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|----------|-------------|----------|-------------|----------|
|                     |       |                                   |                               | 3-1-18A     | 3-1-18B  | 3-1-18B     | 3-1-18C  |             |          |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 08/24/87    | 2.13     | 08/24/87    |          | 08/24/87    |          |
|                     |       |                                   |                               |             | { 1.39}  |             |          |             |          |
|                     |       |                                   |                               | 11/17/87    | 3.43     | 11/17/87    |          | 11/17/87    |          |
|                     |       |                                   |                               | { 1.79}     |          |             |          |             |          |
| AMMONIU             | PPB   | 50.00                             |                               | 08/24/87    |          | 08/24/87    | 100.00   | 08/24/87    | 110.00   |
|                     |       |                                   |                               | 11/17/87    |          | 11/17/87    | 110.00   | 11/17/87    | 110.00   |
| ARSENIC             | PPB   | 5.00                              | 50.00                         | 08/24/87    |          | 08/24/87    |          | 08/24/87    |          |
|                     |       |                                   |                               | 11/17/87    | 7.00     | 11/17/87    |          | 11/17/87    |          |
| BARIUM              | PPB   | 0.00                              | 1000.00                       | 08/24/87    | 40.00    | 08/24/87    | 40.00    | 08/24/87    | 71.00    |
|                     |       |                                   |                               | 11/17/87    | 40.00    | 11/17/87    | 30.00    | 11/17/87    | 00.00    |
| BETA                | PCI/L | 0.00                              | 50.00                         | 08/24/87    | 14.10    | 08/24/87    | 10.50    | 08/24/87    | 0.00     |
|                     |       |                                   |                               |             | { 4.74}  |             | { 4.21}  |             | { 3.74}  |
|                     |       |                                   |                               | 11/17/87    | 5.75     | 11/17/87    | 5.00     | 11/17/87    | 0.00     |
|                     |       |                                   |                               | { 3.72}     |          | { 3.00}     |          | { 3.04}     |          |
| CALCIUM             | PPB   | 50.00                             |                               | 08/24/87    | 30900.00 | 08/24/87    | 11400.00 | 08/24/87    | 10800.00 |
|                     |       |                                   |                               | 11/17/87    | 44100.00 | 11/17/87    | 11000.00 | 11/17/87    | 11800.00 |
| CHLORID             | PPB   | 500.00                            |                               | 08/24/87    | 10900.00 | 08/24/87    | 11000.00 | 08/24/87    | 11300.00 |
|                     |       |                                   |                               | 11/17/87    | 19000.00 | 11/17/87    | 11700.00 | 11/17/87    | 11700.00 |
| CHROMUM             | PPB   | 10.00                             | 50.00                         | 08/24/87    |          | 08/24/87    | 30.00    | 08/24/87    | 24.00    |
|                     |       |                                   |                               | 11/17/87    | 17.00    | 11/17/87    | 32.00    | 11/17/87    | 10.00    |
| COLIFRM             | MPN   | 2.20                              | 1.00                          | 08/24/87    |          | 08/24/87    |          | 08/24/87    |          |
|                     |       |                                   |                               | 11/17/87    |          | 11/17/87    | 2.20 *   | 11/17/87    |          |
| CONDFLD             | UMHG  | 1.00                              |                               | 08/24/87    | 385.00   | 08/24/87    | 314.00   | 08/24/87    | 344.00   |
|                     |       |                                   |                               | 11/17/87    | 405.00   | 11/17/87    | 330.00   | 11/17/87    | 370.00   |
| FARSENI             | PPB   | 5.00                              | 50.00                         | 08/24/87    | 5.00     | 08/24/87    |          | 08/24/87    |          |
|                     |       |                                   |                               | 11/17/87    | 0.00     | 11/17/87    |          | 11/17/87    |          |
| FBIARIUM            | PPB   | 0.00                              | 1000.00                       | 08/24/87    | 40.00    | 08/24/87    | 44.00    | 08/24/87    | 00.00    |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.

# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.

+ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.

0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON

NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED

VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES

WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                  |       |                             |                         | 3-1-18A              | 3-1-18B              | 3-1-18C              | 3-1-18D              | 3-1-18E              |                      |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 11/17/87             | 49.00                | 11/17/87             | 43.00                | 11/17/87             | 71.00                |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 2.00                 | 08/24/87<br>11/17/87 |                      |
| FCALCIU          | PPB   | 50.00                       |                         | 08/24/87<br>11/17/87 | 37500.00<br>44700.00 | 08/24/87<br>11/17/87 | 10100.00<br>12000.00 | 08/24/87<br>11/17/87 | 10200.00<br>12000.00 |
| FIRON            | PPB   | 50.00                       |                         | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 173.00<br>155.00     | 08/24/87<br>11/17/87 | 88.00<br>85.00       |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 08/24/87<br>11/17/87 | 1120.00              | 08/24/87<br>11/17/87 | 1210.00<br>2000.00   | 08/24/87<br>11/17/87 | 1230.00<br>2200.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 08/24/87<br>11/17/87 | 12200.00<br>12300.00 | 08/24/87<br>11/17/87 | 5000.00<br>5440.00   | 08/24/87<br>11/17/87 | 5070.00<br>5200.00   |
| FMANGAN          | PPB   | 5.00                        |                         | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 43.00<br>49.00       | 08/24/87<br>11/17/87 | 48.00<br>53.00       |
| FPOTASS          | PPB   | 100.00                      |                         | 08/24/87<br>11/17/87 | 8370.00<br>8200.00   | 08/24/87<br>11/17/87 | 8550.00<br>8640.00   | 08/24/87<br>11/17/87 | 8580.00<br>8770.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 08/24/87<br>11/17/87 | 22000.00<br>23300.00 | 08/24/87<br>11/17/87 | 83200.00<br>86300.00 | 08/24/87<br>11/17/87 | 84000.00<br>87000.00 |
| FVANADI          | PPB   | 5.00                        |                         | 08/24/87<br>11/17/87 | 13.00<br>0.00        | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 |                      |
| FZINC            | PPB   | 5.00                        |                         | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 5.00                 | 08/24/87<br>11/17/87 |                      |
| IRON             | PPB   | 50.00                       |                         | 08/24/87<br>11/17/87 | 55.00<br>74.00       | 08/24/87<br>11/17/87 | 371.00<br>299.00     | 08/24/87<br>11/17/87 | 160.00<br>140.00     |
| MAGNES           | PPB   | 0.00                        |                         | 08/24/87<br>11/17/87 | 12000.00<br>12700.00 | 08/24/87<br>11/17/87 | 5090.00<br>5310.00   | 08/24/87<br>11/17/87 | 5290.00<br>5210.00   |
| MANGESE          | PPB   | 5.00                        |                         | 08/24/87             |                      | 08/24/87             | 51.00                | 08/24/87             | 51.00                |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.317

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                  |       |                             |                         | 3-1-10A              | 3-1-18B              | 3-1-18B              | 3-1-18C              |                      |                      |
| MANGESE          | PPB   | 5.00                        |                         | 11/17/87             |                      | 11/17/87             | 51.00                | 11/17/87             | 55.00                |
| METHONE          | PPB   | 10.00                       |                         | 08/24/87<br>11/17/87 | 45.00                | 08/24/87<br>11/17/87 | 21.00                | 08/24/87<br>11/17/87 | 21.00                |
| NICKEL           | PPB   | 10.00                       |                         | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 15.00<br>10.00       | 08/24/87<br>11/17/87 |                      |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/24/87<br>11/17/87 | 22000.00<br>20900.00 | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 |                      |
| PHFIELD          |       | 0.10                        |                         | 08/24/87<br>11/17/87 | 7.50<br>7.00         | 08/24/87<br>11/17/87 | 7.40<br>7.70         | 08/24/87<br>11/17/87 | 7.70<br>0.40         |
| POTASUM          | PPB   | 100.00                      |                         | 08/24/87<br>11/17/87 | 8630.00<br>6370.00   | 08/24/87<br>11/17/87 | 7480.00<br>6800.00   | 08/24/87<br>11/17/87 | 7070.00<br>6020.00   |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/24/87<br>11/17/87 | 0.10<br>{ 0.15}      | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 |                      |
| SODIUM           | PPB   | 100.00                      |                         | 08/24/87<br>11/17/87 | 23200.00<br>24100.00 | 08/24/87<br>11/17/87 | 70600.00<br>64600.00 | 08/24/87<br>11/17/87 | 66700.00<br>65200.00 |
| SULFATE          | PPB   | 500.00                      |                         | 08/24/87<br>11/17/87 | 49100.00<br>46200.00 | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 | 2100.00<br>2010.00   |
| U-CHEM           | UG/L  | 0.73                        |                         | 11/17/87             | 4.28                 | 11/17/87             |                      | 11/17/87             |                      |
| VANADUM          | PPB   | 5.00                        |                         | 08/24/87<br>11/17/87 | 14.00<br>9.00        | 08/24/87<br>11/17/87 |                      | 08/24/87<br>11/17/87 |                      |
| ZINC             | PPB   | 5.00                        |                         | 08/24/87<br>11/17/87 | 7.00                 | 08/24/87<br>11/17/87 | 13.00<br>10.00       | 08/24/87<br>11/17/87 | 7.00<br>7.00         |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS     | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-----------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |           |                             |                         | 3-1-10      |          | 3-2-1       |          | 3-3-7       |          |
| ALPHA            | PCI/L     | 4.00                        | 15.00                   | 08/26/87    | 52.40 *  | 08/14/87    | 8.77     | 08/13/87    | 9.56     |
|                  |           |                             |                         |             | { 5.58 } |             | { 2.14 } |             | { 2.52 } |
|                  |           |                             |                         | 11/05/87    | 94.20 *  | 11/10/87    | 11.70    | 11/09/87    | 6.80     |
|                  |           |                             |                         | { 6.74 }    |          | { 2.57 }    |          | { 2.11 }    |          |
| BARIUM           | PPB       | 6.00                        | 1000.00                 | 08/26/87    | 51.00    | 08/14/87    | 44.00    | 08/13/87    | 43.00    |
|                  |           |                             |                         | 11/05/87    | 24.00    | 11/10/87    | 53.00    | 11/09/87    | 42.00    |
| BETA             | PCI/L     | 8.00                        | 50.00                   | 08/26/87    | 97.00 *  | 08/14/87    | 14.10    | 08/13/87    | 14.20    |
|                  |           |                             |                         |             | { 9.57 } |             | { 4.37 } |             | { 4.40 } |
|                  |           |                             |                         | 11/05/87    | 31.40    | 11/10/87    | 13.80    | 11/09/87    | 9.40     |
|                  |           |                             |                         | { 4.00 }    |          | { 4.20 }    |          | { 3.97 }    |          |
| CALCIUM          | PPB       | 50.00                       |                         | 08/26/87    | 34800.00 | 08/14/87    | 17400.00 | 08/13/87    | 35100.00 |
|                  |           |                             |                         | 11/05/87    | 18800.00 | 11/10/87    | 21500.00 | 11/09/87    | 34900.00 |
| CHLFORM          | PPB       | 10.00                       | 100.00                  | 08/26/87    | 10.00    | 08/14/87    | 13.00    | 08/13/87    | 26.00    |
|                  |           |                             |                         | 10/08/87    | 14.00    | 11/10/87    | 13.00    | 11/09/87    |          |
|                  |           |                             |                         | 10/15/87    | 13.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 10/22/87    | 12.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 10/29/87    | 12.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 11/05/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 11/11/87    | 10.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 11/18/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 11/23/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 12/03/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 12/09/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 12/18/87    | 14.00    |             | NR       |             | NR       |
|                  |           |                             |                         | 12/30/87    | 11.00    |             | NR       |             | NR       |
|                  |           |                             |                         | CHLORID     | PPB      | 500.00      |          | 08/26/87    | 77100.00 |
| 11/05/87         | 29500.00  | 11/10/87                    | 11900.00                |             |          |             |          | 11/09/87    | 14800.00 |
| 12/09/87         | 122000.00 |                             | NR                      |             |          |             |          |             | NR       |
| 12/18/87         | 67700.00  |                             | NR                      |             |          |             |          |             | NR       |
| 12/30/87         | 77200.00  |                             | NR                      |             |          |             |          |             | NR       |
| CHROMIUM         | PPB       | 10.00                       | 50.00                   | 08/26/87    | 18.00    | 08/14/87    |          | 08/13/87    |          |
|                  |           |                             |                         | 11/05/87    |          | 11/10/87    |          | 11/09/87    |          |

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 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-19 | SAMPLE DATE | 3-2-1  | SAMPLE DATE | 3-3-7             |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|-------------|--------|-------------|-------------------|
| CO-88            | PCI/L | 22.50                       | 100.00                  |             | NR     | 07/21/87    |        | 07/21/87    | { 5.65<br>5.06 }  |
|                  |       |                             |                         |             | NR     | 10/15/87    |        | 10/20/87    |                   |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 08/28/87    |        | 08/14/87    | 2.20 * | 08/13/87    |                   |
|                  |       |                             |                         | 11/05/87    |        | 11/10/87    | 5.10 * | 11/09/87    |                   |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/28/87    | 402.00 | 08/14/87    | 181.00 | 08/13/87    | 315.00            |
|                  |       |                             |                         | 10/08/87    | 176.00 | 11/10/87    | 222.00 | 11/09/87    | 382.00            |
|                  |       |                             |                         | 10/15/87    | 142.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 10/22/87    | 196.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 10/29/87    | 326.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 11/05/87    | 220.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 11/11/87    | 242.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 11/18/87    | 256.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 11/23/87    | 236.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 12/03/87    | 258.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 12/09/87    | 438.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 12/18/87    | 385.00 |             | NR     |             | NR                |
|                  |       |                             |                         | 12/30/87    | 347.00 |             | NR     |             | NR                |
| COPPER           | PPB   | 16.00                       | (1300.0)                | 08/28/87    | 13.00  | 08/14/87    |        | 08/13/87    |                   |
|                  |       |                             |                         | 11/05/87    | 27.00  | 11/10/87    |        | 11/09/87    |                   |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR     | 07/21/87    |        | 07/21/87    | { 10.30<br>5.91 } |
|                  |       |                             |                         |             | NR     | 10/15/87    |        | 10/20/87    |                   |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/28/87    | 40.00  | 08/14/87    | 42.00  | 08/13/87    | 20.00             |
|                  |       |                             |                         | 10/08/87    | 22.00  | 11/10/87    | 51.00  | 11/09/87    | 42.00             |
|                  |       |                             |                         | 10/15/87    | 20.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 10/22/87    | 21.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 10/29/87    | 42.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 11/05/87    | 20.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 11/11/87    | 27.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 11/18/87    | 25.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 11/23/87    | 30.00  |             | NR     |             | NR                |
|                  |       |                             |                         | 12/03/87    | 32.00  |             | NR     |             | NR                |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS  | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | 3-3-7    |          |
|------------------|--------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------|----------|
|                  |        |                             |                         |             | 8-1-19      | 8-2-1    |             |          |          |
| FCALCIU          | PPB    | 50.00                       |                         | 08/20/87    | 33700.00    | 08/14/87 | 16700.00    | 08/13/87 | 19400.00 |
|                  |        |                             |                         | 10/08/87    | 18400.00    | 11/10/87 | 23500.00    | 11/09/87 | 41000.00 |
|                  |        |                             |                         | 10/15/87    | 17300.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 10/22/87    | 18800.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 10/29/87    | 30800.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 11/05/87    | 17500.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 11/11/87    | 21700.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 11/18/87    | 20400.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 11/23/87    | 23800.00    |          | NR          |          | NR       |
|                  |        |                             |                         | 12/03/87    | 23200.00    |          | NR          |          | NR       |
|                  |        |                             |                         | FCOPPER     | PPB         | 10.00    | (1300.0)    | 08/20/87 | 11.00    |
| 10/08/87         | 14.00  | 11/10/87                    |                         |             |             |          |             | 11/09/87 |          |
| 10/15/87         | 13.00  |                             | NR                      |             |             |          |             |          | NR       |
| 10/22/87         | 19.00  |                             | NR                      |             |             |          |             |          | NR       |
| 10/29/87         | 29.00  |                             | NR                      |             |             |          |             |          | NR       |
| 11/05/87         | 23.00  |                             | NR                      |             |             |          |             |          | NR       |
| 11/11/87         | 23.00  |                             | NR                      |             |             |          |             |          | NR       |
| 11/18/87         | 20.00  |                             | NR                      |             |             |          |             |          | NR       |
| 11/23/87         | 27.00  |                             | NR                      |             |             |          |             |          | NR       |
| 12/03/87         | 27.00  |                             | NR                      |             |             |          |             |          | NR       |
| FIRON            | PPB    | 50.00                       |                         |             |             |          |             | 08/20/87 |          |
|                  |        |                             |                         | 10/08/87    |             | 11/10/87 |             | 11/09/87 |          |
|                  |        |                             |                         | 10/15/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 10/22/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 10/29/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 11/05/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 11/11/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 11/18/87    |             |          | NR          |          | NR       |
|                  |        |                             |                         | 11/23/87    | 82.00       |          | NR          |          | NR       |
|                  |        |                             |                         | 12/03/87    | 83.00       |          | NR          |          | NR       |
|                  |        |                             |                         | FLUORID     | PPB         | 500.00   | 4000.00     | 08/20/87 |          |
| 11/05/87         |        | 11/10/87                    | 508.00                  |             |             |          |             | 11/09/87 | 550.00   |
| 12/09/87         | 543.00 |                             | NR                      |             |             |          |             |          | NR       |
| 12/10/87         | 503.00 |                             | NR                      |             |             |          |             |          | NR       |
| 12/30/87         | 520.00 |                             | NR                      |             |             |          |             |          | NR       |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS   | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |         | SAMPLE DATE |         | SAMPLE DATE |         |          |         |          |         |
|------------------|---------|-----------------------------|-------------------------|-------------|---------|-------------|---------|-------------|---------|----------|---------|----------|---------|
|                  |         |                             |                         | 3-1-19      |         | 3-2-1       |         | 3-3-7       |         |          |         |          |         |
| FMAGNES          | PPB     | 0.00                        |                         | 08/28/87    | 8620.00 | 08/14/87    | 4200.00 | 08/13/87    | 4500.00 |          |         |          |         |
|                  |         |                             |                         | 10/08/87    | 3440.00 | 11/10/87    | 5140.00 | 11/09/87    | 8000.00 |          |         |          |         |
|                  |         |                             |                         | 10/15/87    | 3420.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 10/22/87    | 4350.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 10/29/87    | 7370.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/05/87    | 4120.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/11/87    | 5000.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/18/87    | 5000.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/23/87    | 6220.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 12/03/87    | 5500.00 |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | FMANGAN     | PPB     | 6.00        |         | 08/28/87    | 10.00   | 08/14/87 |         | 08/13/87 |         |
|                  |         |                             |                         |             |         |             |         | 10/08/87    | 5.00    | 11/10/87 |         | 11/09/87 |         |
| 10/15/87         | 9.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 10/22/87         | 8.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 10/29/87         | 8.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 11/05/87         | 6.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 11/11/87         |         |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 11/18/87         | 6.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 11/23/87         | 7.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 12/03/87         | 7.00    |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| FNICKEL          | PPB     | 10.00                       |                         |             |         |             |         | 08/28/87    |         | 08/14/87 |         | 08/13/87 |         |
|                  |         |                             |                         |             |         |             |         | 10/08/87    |         | 11/10/87 |         | 11/09/87 |         |
|                  |         |                             |                         | 10/15/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 10/22/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 10/29/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/05/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/11/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/18/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 11/23/87    |         |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | 12/03/87    | 11.00   |             | NR      |             | NR      |          |         |          |         |
|                  |         |                             |                         | FPDTASS     | PPB     | 100.00      |         | 08/28/87    | 3070.00 | 08/14/87 | 3050.00 | 08/13/87 | 1700.00 |
|                  |         |                             |                         |             |         |             |         | 10/08/87    | 1900.00 | 11/10/87 | 3500.00 | 11/09/87 | 5300.00 |
| 10/15/87         | 1920.00 |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 10/22/87         | 1940.00 |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |
| 10/29/87         | 2400.00 |                             | NR                      |             |         |             |         |             | NR      |          |         |          |         |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|--|
|                  |       |                             |                         | 3-1-19      |          | 3-2-1       |          | 3-3-7       |          |  |
| FPOTASS          | PPB   | 100.00                      |                         | 11/05/87    | 1930.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/11/87    | 2000.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/18/87    | 2110.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/23/87    | 2130.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         | 12/03/87    | 1850.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
| FSODIUM          | PPB   | 100.00                      |                         | 08/26/87    | 17500.00 | 08/14/87    | 13300.00 | 08/13/87    | 3100.00  |  |
|                  |       |                             |                         | 10/08/87    | 11200.00 | 11/10/87    | 14200.00 | 11/09/87    | 21000.00 |  |
|                  |       |                             |                         | 10/15/87    | 9800.00  |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/22/87    | 12100.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/29/87    | 24500.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/05/87    | 20200.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/11/87    | 19900.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/18/87    | 21000.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/23/87    | 22800.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         | 12/03/87    | 21200.00 |             | NR       |             | NR       |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
| FVANADI          | PPB   | 5.00                        |                         | 08/26/87    | 5.00     | 08/14/87    |          | 08/13/87    | 6.00     |  |
|                  |       |                             |                         | 10/08/87    |          | 11/10/87    |          | 11/09/87    | 7.00     |  |
|                  |       |                             |                         | 10/15/87    | 5.00     |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/22/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/29/87    | 7.00     |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/05/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/11/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/18/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/23/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 12/03/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
| FZINC            | PPB   | 5.00                        |                         | 08/26/87    |          | 08/14/87    |          | 08/13/87    | 6.00     |  |
|                  |       |                             |                         | 10/08/87    | 5.00     | 11/10/87    |          | 11/09/87    |          |  |
|                  |       |                             |                         | 10/15/87    | 19.00    |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/22/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 10/29/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/05/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/11/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/18/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 11/23/87    |          |             | NR       |             | NR       |  |
|                  |       |                             |                         | 12/03/87    | 5.00     |             | NR       |             | NR       |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |
| IRON             | PPB   | 50.00                       |                         | 08/26/87    | 2070.00  | 08/14/87    | 94.00    | 08/13/87    |          |  |
|                  |       |                             |                         |             |          |             |          |             |          |  |

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C.323

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |         | SAMPLE DATE |          | SAMPLE DATE |          |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|----------|
|                  |       |                             |                         | 3-1-19      | 3-2-1   | 3-2-1       | 3-3-7    |             |          |
| IRON             | PPB   | 50.00                       |                         | 11/05/87    | 337.00  | 11/10/87    | 52.00    | 11/09/87    | 930.00   |
| MAGNES           | PPB   | 0.00                        |                         | 08/26/87    | 8500.00 | 08/14/87    | 4220.00  | 08/13/87    | 8660.00  |
|                  |       |                             |                         | 11/05/87    | 4440.00 | 11/10/87    | 5100.00  | 11/09/87    | 8540.00  |
| MANGESE          | PPB   | 5.00                        |                         | 08/26/87    | 33.00   | 08/14/87    |          | 08/13/87    |          |
|                  |       |                             |                         | 11/05/87    | 13.00   | 11/10/87    |          | 11/09/87    | 24.00    |
| METHYCH          | PPB   | 10.00                       |                         | 08/26/87    |         | 08/14/87    | 22.00    | 08/13/87    |          |
|                  |       |                             |                         | 10/00/87    |         | 11/10/87    |          | 11/09/87    |          |
|                  |       |                             |                         | 10/15/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 11/23/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 12/03/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 12/09/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 12/10/87    |         |             | NR       |             | NR       |
|                  |       |                             |                         | 12/30/87    |         |             | NR       |             | NR       |
| NICKEL           | PPB   | 10.00                       |                         | 08/26/87    | 11.00   | 08/14/87    |          | 08/13/87    |          |
|                  |       |                             |                         | 11/05/87    |         | 11/10/87    |          | 11/09/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/26/87    | 1500.00 | 08/14/87    | 8870.00  | 08/13/87    | 14000.00 |
|                  |       |                             |                         | 11/05/87    | 1500.00 | 11/10/87    | 13400.00 | 11/09/87    | 14700.00 |
|                  |       |                             |                         | 12/09/87    | 1770.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 12/10/87    | 1610.00 |             | NR       |             | NR       |
|                  |       |                             |                         | 12/30/87    | 1810.00 |             | NR       |             | NR       |
| PHFIELD          |       | 0.10                        |                         | 08/26/87    | 0.50    | 08/14/87    | 0.50     | 08/13/87    | 7.20     |
|                  |       |                             |                         | 10/00/87    | 7.00    | 11/10/87    | 0.40     | 11/09/87    | 7.30     |
|                  |       |                             |                         | 10/15/87    | 0.00    |             | NR       |             | NR       |
|                  |       |                             |                         | 10/22/87    | 0.20    |             | NR       |             | NR       |
|                  |       |                             |                         | 10/29/87    | 0.40    |             | NR       |             | NR       |
|                  |       |                             |                         | 11/05/87    | 0.60    |             | NR       |             | NR       |
|                  |       |                             |                         | 11/11/87    | 0.90    |             | NR       |             | NR       |
|                  |       |                             |                         | 11/18/87    | 0.00    |             | NR       |             | NR       |

C.324

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-19   | SAMPLE DATE | 3-2-1      | SAMPLE DATE | 3-3-7      |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|-------------|------------|
| PHFIELD          |       | 0.10                        |                         | 11/23/87    | 0.80     |             | NR         |             | NR         |
|                  |       |                             |                         | 12/03/87    | 0.90     |             | NR         |             | NR         |
|                  |       |                             |                         | 12/09/87    | 0.80     |             | NR         |             | NR         |
|                  |       |                             |                         | 12/18/87    | 7.00     |             | NR         |             | NR         |
|                  |       |                             |                         | 12/30/87    | 0.50     |             | NR         |             | NR         |
| POTASUM          | PPB   | 100.00                      |                         | 08/20/87    | 2030.00  | 08/14/87    | 2910.00    | 08/13/87    | 4800.00    |
|                  |       |                             |                         | 11/05/87    | 2020.00  | 11/10/87    | 3700.00    | 11/09/87    | 5430.00    |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/20/87    | 0.20     | 08/14/87    |            | 08/13/87    |            |
|                  |       |                             |                         | 11/05/87    | { 0.16 } | 11/10/87    |            | 11/09/87    | { 0.17 }   |
| SODIUM           | PPB   | 100.00                      |                         | 08/20/87    | 17300.00 | 08/14/87    | 12400.00   | 08/13/87    | 20200.00   |
|                  |       |                             |                         | 11/05/87    | 20900.00 | 11/10/87    | 14000.00   | 11/09/87    | 21200.00   |
| SULFATE          | PPB   | 500.00                      |                         | 08/20/87    | 17000.00 | 08/14/87    | 10000.00   | 08/13/87    | 35000.00   |
|                  |       |                             |                         | 11/05/87    | 13200.00 | 11/10/87    | 10200.00   | 11/09/87    | 33700.00   |
|                  |       |                             |                         | 12/09/87    | 17500.00 |             | NR         |             | NR         |
|                  |       |                             |                         | 12/18/87    | 14000.00 |             | NR         |             | NR         |
|                  |       |                             |                         | 12/30/87    | 15700.00 |             | NR         |             | NR         |
| TDC              | PPB   | 1000.00                     |                         | 08/20/87    |          | 08/14/87    |            | 08/13/87    |            |
|                  |       |                             |                         | 11/05/87    | 1200.00  | 11/10/87    |            | 11/09/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR       | 07/21/87    | 200.00     | 07/21/87    | 1290.00    |
|                  |       |                             |                         |             | NR       | 10/15/87    | { 107.00 } | 10/20/87    | { 190.00 } |
| U                | PCI/L | 0.50                        | 000.00                  |             | NR       | 07/21/87    | 7.27       | 07/21/87    | 10.40      |
|                  |       |                             |                         |             | NR       | 10/15/87    | 0.89       | 10/20/87    | 10.70      |
| U-CHEM           | UG/L  | 0.73                        |                         | 10/08/87    | 09.50    | 11/10/87    | 10.30      | 11/09/87    | 12.10      |
|                  |       |                             |                         | 10/15/87    | 03.20    |             | NR         |             | NR         |
|                  |       |                             |                         | 10/22/87    | 100.00   |             | NR         |             | NR         |
|                  |       |                             |                         | 10/29/87    | 150.00   |             | NR         |             | NR         |
|                  |       |                             |                         | 11/05/87    | 131.00   |             | NR         |             | NR         |

C. 325

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPDRTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-1-19 | SAMPLE DATE | 3-2-1 | SAMPLE DATE | 3-3-7 |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|-------------|-------|-------------|-------|
| U-CHEM           | UG/L  | 0.73                        |                         | 11/11/87    | 157.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 11/18/87    | 167.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 11/23/87    | 181.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 12/03/87    | 271.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 12/09/87    | 282.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 12/18/87    | 228.00 |             | NR    |             | NR    |
|                  |       |                             |                         | 12/30/87    | 446.00 |             | NR    |             | NR    |
| VANADUM          | PPB   | 5.00                        |                         | 08/26/87    | 7.00   | 08/14/87    | 8.00  | 08/13/87    | 10.00 |
|                  |       |                             |                         | 11/05/87    | 6.00   | 11/10/87    | 5.00  | 11/09/87    | 7.00  |
| ZINC             | PPB   | 5.00                        |                         | 08/26/87    |        | 08/14/87    | 10.00 | 08/13/87    |       |
|                  |       |                             |                         | 11/05/87    | 6.00   | 11/10/87    | 10.00 | 11/09/87    | 11.00 |

C.326

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-3-10   |  | SAMPLE DATE | 3-4-1    |  | SAMPLE DATE | 3-4-7    |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|--|-------------|----------|--|
|                  |       |                             |                         |             |          |  |             |          |  |             |          |  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/13/87    | 15.00 *  |  | 08/13/87    | 12.70    |  | 08/13/87    | 32.70 *  |  |
|                  |       |                             |                         | 11/20/87    | { 2.94 } |  | 11/12/87    | { 2.72 } |  | 11/08/87    | { 4.45 } |  |
|                  |       |                             |                         |             | { 5.40 } |  |             | { 2.76 } |  |             | { 4.63 } |  |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 08/13/87    |          |  | 08/13/87    |          |  | 08/13/87    |          |  |
|                  |       |                             |                         | 11/20/87    |          |  | 11/12/87    | 5.00     |  | 11/08/87    |          |  |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 08/13/87    | 44.00    |  | 08/13/87    | 43.00    |  | 08/13/87    | 45.00    |  |
|                  |       |                             |                         | 11/20/87    | 54.00    |  | 11/12/87    | 30.00    |  | 11/08/87    | 40.00    |  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/13/87    | 8.03     |  | 08/13/87    | 9.98     |  | 08/13/87    | 13.70    |  |
|                  |       |                             |                         | 11/20/87    | { 3.68 } |  | 11/12/87    | { 3.97 } |  | 11/08/87    | { 4.60 } |  |
|                  |       |                             |                         |             | { 4.61 } |  |             | { 3.78 } |  |             | { 2.22 } |  |
| CALCIUM          | PPB   | 50.00                       |                         | 08/13/87    | 23800.00 |  | 08/13/87    | 37700.00 |  | 08/13/87    | 32600.00 |  |
|                  |       |                             |                         | 11/20/87    | 39100.00 |  | 11/12/87    | 38000.00 |  | 11/08/87    | 36500.00 |  |
| CHLFORM          | PPB   | 10.00                       | 100.00                  | 08/13/87    | 12.00    |  | 08/13/87    |          |  | 08/13/87    |          |  |
|                  |       |                             |                         | 11/20/87    |          |  | 11/12/87    |          |  | 11/08/87    |          |  |
| CHLORID          | PPB   | 500.00                      |                         | 08/13/87    | 7440.00  |  | 08/13/87    | 11700.00 |  | 08/13/87    | 13100.00 |  |
|                  |       |                             |                         | 11/20/87    | 7000.00  |  | 11/12/87    | 9910.00  |  | 11/08/87    | 13600.00 |  |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 08/13/87    |          |  | 08/13/87    |          |  | 08/13/87    |          |  |
|                  |       |                             |                         | 11/20/87    |          |  | 11/12/87    | 5.15 *   |  | 11/08/87    |          |  |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/13/87    | 282.00   |  | 08/13/87    | 276.00   |  | 08/13/87    | 291.00   |  |
|                  |       |                             |                         | 11/20/87    | 292.00   |  | 11/12/87    | 317.00   |  | 11/08/87    | 351.00   |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/21/87    |          |  | 07/23/87    | 8.55     |  | 07/21/87    |          |  |
|                  |       |                             |                         | 10/19/87    |          |  | 10/19/87    | { 5.41 } |  | 10/19/87    |          |  |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/13/87    |          |  | 08/13/87    |          |  | 08/13/87    |          |  |
|                  |       |                             |                         | 11/20/87    |          |  | 11/12/87    | 5.00     |  | 11/08/87    |          |  |
| FBIARIUM         | PPB   | 6.00                        | 1000.00                 | 08/13/87    | 49.00    |  | 08/13/87    | 41.00    |  | 08/13/87    | 45.00    |  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |          |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|----------|-------------|----------|-------------|----------|
|                     |       |                                   |                               | 3-3-10      | 3-4-1    | 3-4-1       | 3-4-7    |             |          |
| FBARIUM             | PPB   | 8.00                              | 1000.00                       | 11/20/87    | 86.00    | 11/12/87    | 36.00    | 11/08/87    | 36.00    |
| FCALCIU             | PPB   | 50.00                             |                               | 08/13/87    | 25400.00 | 08/13/87    | 34200.00 | 08/13/87    | 32800.00 |
|                     |       |                                   |                               | 11/20/87    | 39000.00 | 11/12/87    | 38000.00 | 11/08/87    | 39200.00 |
| FIRON               | PPB   | 50.00                             |                               | 08/13/87    | 101.00   | 08/13/87    |          | 08/13/87    |          |
|                     |       |                                   |                               | 11/20/87    | 59.00    | 11/12/87    |          | 11/08/87    |          |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 08/13/87    |          | 08/13/87    |          | 08/13/87    |          |
|                     |       |                                   |                               | 11/20/87    | 542.00   | 11/12/87    |          | 11/08/87    | 568.00   |
| FMAGNES             | PPB   | 0.00                              |                               | 08/13/87    | 6480.00  | 08/13/87    | 8010.00  | 08/13/87    | 7720.00  |
|                     |       |                                   |                               | 11/20/87    | 8500.00  | 11/12/87    | 7800.00  | 11/08/87    | 7790.00  |
| FMANGAN             | PPB   | 5.00                              |                               | 08/13/87    |          | 08/13/87    |          | 08/13/87    |          |
|                     |       |                                   |                               | 11/20/87    | 5.00     | 11/12/87    |          | 11/08/87    |          |
| FPOTASS             | PPB   | 100.00                            |                               | 08/13/87    | 3470.00  | 08/13/87    | 4520.00  | 08/13/87    | 4330.00  |
|                     |       |                                   |                               | 11/20/87    | 3650.00  | 11/12/87    | 4910.00  | 11/08/87    | 4460.00  |
| FSODIUM             | PPB   | 100.00                            |                               | 08/13/87    | 12500.00 | 08/13/87    | 17700.00 | 08/13/87    | 18900.00 |
|                     |       |                                   |                               | 11/20/87    | 13300.00 | 11/12/87    | 17600.00 | 11/08/87    | 18500.00 |
| FVANADI             | PPB   | 5.00                              |                               | 08/13/87    | 0.00     | 08/13/87    | 8.00     | 08/13/87    | 8.00     |
|                     |       |                                   |                               | 11/20/87    |          | 11/12/87    | 5.00     | 11/08/87    | 5.00     |
| FZINC               | PPB   | 5.00                              |                               | 08/13/87    | 7.00     | 08/13/87    |          | 08/13/87    | 5.00     |
|                     |       |                                   |                               | 11/20/87    |          | 11/12/87    | 8.00     | 11/08/87    |          |
| IRON                | PPB   | 50.00                             |                               | 08/13/87    | 230.00   | 08/13/87    |          | 08/13/87    |          |
|                     |       |                                   |                               | 11/20/87    | 193.00   | 11/12/87    | 388.00   | 11/08/87    |          |
| MAGNES              | PPB   | 0.00                              |                               | 08/13/87    | 5880.00  | 08/13/87    | 8650.00  | 08/13/87    | 7580.00  |
|                     |       |                                   |                               | 11/20/87    | 8760.00  | 11/12/87    | 7860.00  | 11/08/87    | 8360.00  |
| MANGESE             | PPB   | 5.00                              |                               | 08/13/87    |          | 08/13/87    |          | 08/13/87    |          |
|                     |       |                                   |                               | 11/20/87    |          | 11/12/87    | 10.00    | 11/08/87    |          |
| WETHYCH             | PPB   | 10.00                             |                               | 08/13/87    |          | 08/13/87    | 130.00   | 08/13/87    | 13.00    |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-3-10      |          | 3-4-1       |          | 3-4-7       |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------|-------------|-------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE |
| METHYCH          | PPB   | 10.00                       |                         | 11/20/87    | 11.00       | 11/12/87 |             | 11/06/87 |             |       |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 08/13/87    | 9420.00     | 08/13/87 | 15800.00    | 08/13/87 | 14900.00    |       |
|                  |       |                             |                         | 11/20/87    | 9170.00     | 11/12/87 | 15400.00    | 11/06/87 | 14300.00    |       |
| PHFIELD          |       | 0.10                        |                         | 08/13/87    | 6.40        | 08/13/87 | 7.00        | 08/13/87 | 7.10        |       |
|                  |       |                             |                         | 11/20/87    | 6.90        | 11/12/87 | 7.40        | 11/06/87 | 7.40        |       |
| PQTASUM          | PPB   | 100.00                      |                         | 08/13/87    | 3090.00     | 08/13/87 | 4820.00     | 08/13/87 | 4340.00     |       |
|                  |       |                             |                         | 11/20/87    | 3980.00     | 11/12/87 | 4890.00     | 11/06/87 | 5260.00     |       |
| RADIUM           | PCI/L | 1.00                        | 5.00                    | 08/13/87    | 0.19        | 08/13/87 |             | 08/13/87 | 0.15        |       |
|                  |       |                             |                         | 11/20/87    | { 0.17 }    | 11/12/87 | 0.16        | 11/06/87 | { 0.13 }    |       |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 07/21/87    |             | 07/23/87 | 60.20 *     | 07/21/87 |             |       |
|                  |       |                             |                         | 10/19/87    |             | 10/19/87 | { 41.20 }   | 10/19/87 |             |       |
| SODIUM           | PPB   | 100.00                      |                         | 08/13/87    | 11000.00    | 08/13/87 | 17700.00    | 08/13/87 | 10300.00    |       |
|                  |       |                             |                         | 11/20/87    | 13900.00    | 11/12/87 | 17300.00    | 11/06/87 | 21300.00    |       |
| SULFATE          | PPB   | 500.00                      |                         | 08/13/87    | 23900.00    | 08/13/87 | 29900.00    | 08/13/87 | 32100.00    |       |
|                  |       |                             |                         | 11/20/87    | 24000.00    | 11/12/87 | 26000.00    | 11/06/87 | 32900.00    |       |
| TOX              | PPB   | 100.00                      |                         | 08/13/87    |             | 08/13/87 |             | 08/13/87 |             |       |
|                  |       |                             |                         | 11/20/87    | 3180.00     | 11/12/87 |             | 11/06/87 |             |       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/21/87    | 343.00      | 07/23/87 | 720.00      | 07/21/87 | 1440.00     |       |
|                  |       |                             |                         | 10/19/87    | { 160.00 }  | 10/19/87 | { 100.00 }  | 10/19/87 | { 200.00 }  |       |
|                  |       |                             |                         |             | 1240.00     |          |             |          | 1820.00     |       |
|                  |       |                             |                         |             | { 233.00 }  |          |             |          | { 250.00 }  |       |
| U                | PCI/L | 0.50                        | 000.00                  | 07/21/87    | 17.40       | 07/23/87 | 14.20       | 07/21/87 | 30.00       |       |
|                  |       |                             |                         | 10/19/87    | 44.10       | 10/19/87 | 13.20       | 10/19/87 | 30.20       |       |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR          |          | NR          | 07/21/87 | 21.20       |       |
|                  |       |                             |                         |             |             |          |             |          | { 0.42 }    |       |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE          |               | SAMPLE DATE          |                | SAMPLE DATE          |                     |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|---------------|----------------------|----------------|----------------------|---------------------|
|                     |       |                                   |                               | 3-3-10               |               | 3-4-1                |                | 3-4-7                |                     |
| U 235               | PCI/L | 0.10                              | 32.00                         |                      | NR            |                      | NR             | 07/21/87             | { 0.84<br>0.08 }    |
| U 238               | PCI/L | 0.10                              | 4.00                          |                      | NR            |                      | NR             | 07/21/87             | { 20.00 *<br>0.41 } |
| U-CHEM              | UG/L  | 0.73                              |                               | 11/20/87             | 76.70         | 11/12/87             | 16.00          |                      | NR                  |
| VANADIUM            | PPB   | 5.00                              |                               | 08/13/87<br>11/20/87 |               | 08/13/87<br>11/12/87 | 10.00<br>10.00 | 08/13/87<br>11/06/87 | 7.00<br>9.00        |
| ZINC                | PPB   | 5.00                              |                               | 08/13/87<br>11/20/87 | 11.00<br>6.00 | 08/13/87<br>11/12/87 |                | 08/13/87<br>11/06/87 |                     |

C.330

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 3-4-11                                  | SAMPLE DATE | 3-8-1                  | SAMPLE DATE          | 3-8-2                                 |
|------------------|-------|-----------------------------|-------------------------|----------------------|---|-------------|------------------------|----------------------|---------------------------------------|
| 1,1,1-T          | PPB   | 10.00                       | 200.00                  | 08/26/87<br>11/11/87 |   | 11/19/87    | NR                     | 08/18/87<br>11/13/87 | 19.00                                 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/26/87<br>11/11/87 | { 18.10 +<br>3.96 }<br>{ 9.94<br>2.48 } | 11/19/87    | { 5.74<br>2.84 }<br>NR | 08/18/87<br>11/13/87 | { 1.16<br>1.00 }<br>{ 2.80<br>1.55 }  |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 08/26/87<br>11/11/87 | 5.00                                    | 11/19/87    | 7.00<br>NR             | 08/18/87<br>11/13/87 | 7.00                                  |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 08/26/87<br>11/11/87 | 45.00<br>43.00                          | 11/19/87    | 33.00<br>NR            | 08/18/87<br>11/13/87 | 45.00<br>43.00                        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/26/87<br>11/11/87 | { 8.87<br>4.82 }<br>{ 11.90<br>4.18 }   | 11/19/87    | { 5.21<br>3.51 }<br>NR | 08/18/87<br>11/13/87 | { 8.69<br>4.08 }<br>{ 10.70<br>4.10 } |
| CALCIUM          | PPB   | 50.00                       |                         | 08/26/87<br>11/11/87 | 34600.00<br>42500.00                    | 11/19/87    | 37400.00<br>NR         | 08/18/87<br>11/13/87 | 36300.00<br>41800.00                  |
| CHLORID          | PPB   | 500.00                      |                         | 08/26/87<br>11/11/87 | 10000.00<br>10900.00                    | 11/19/87    | 8830.00<br>NR          | 08/18/87<br>11/13/87 | 10500.00<br>11800.00                  |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 08/26/87<br>11/11/87 | 23.00                                   | 11/19/87    | NR                     | 08/18/87<br>11/13/87 |                                       |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/26/87<br>11/11/87 | 280.00<br>330.00                        | 11/19/87    | 300.00<br>NR           | 08/18/87<br>11/13/87 | 260.00<br>330.00                      |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/26/87<br>11/11/87 | 5.00                                    | 11/19/87    | 7.00<br>NR             | 08/18/87<br>11/13/87 | 5.00                                  |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 08/26/87<br>11/11/87 | 41.00<br>39.00                          | 11/19/87    | 38.00<br>NR            | 08/18/87<br>11/13/87 | 42.00<br>43.00                        |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 08/26/87             |   | 11/19/87    |                        | 08/18/87             | 2.00                                  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE          |                      | SAMPLE DATE          |                      | SAMPLE DATE          |                      |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                     |       |                                   |                               | 3-4-11               | 3-8-1                | 3-8-1                | 3-8-2                |                      |                      |
| FCADMIU             | PPB   | 2.00                              | 10.00                         | 11/11/87             |                      | NR                   |                      | 11/13/87             |                      |
| FCALCIU             | PPB   | 50.00                             |                               | 08/26/87<br>11/11/87 | 33900.00<br>38900.00 | 11/19/87             | 41500.00<br>NR       | 08/18/87<br>11/13/87 | 38100.00<br>43200.00 |
| FIRON               | PPB   | 50.00                             |                               | 08/26/87<br>11/11/87 |                      | 11/19/87             | 74.00<br>NR          | 08/18/87<br>11/13/87 |                      |
| FLUORID             | PPB   | 500.00                            | 4000.00                       | 08/26/87<br>11/11/87 | 505.00               | 11/19/87             | NR                   | 08/18/87<br>11/13/87 |                      |
| FMAGNES             | PPB   | 0.00                              |                               | 08/26/87<br>11/11/87 | 8100.00<br>8300.00   | 11/19/87             | 9110.00<br>NR        | 08/18/87<br>11/13/87 | 8860.00<br>9290.00   |
| FPOTASS             | PPB   | 100.00                            |                               | 08/26/87<br>11/11/87 | 4880.00<br>4960.00   | 11/19/87             | 5110.00<br>NR        | 08/18/87<br>11/13/87 | 5160.00<br>5360.00   |
| FSODIUM             | PPB   | 100.00                            |                               | 08/26/87<br>11/11/87 | 16400.00<br>17200.00 | 11/19/87             | 14600.00<br>NR       | 08/18/87<br>11/13/87 | 18300.00<br>19400.00 |
| FVANADI             | PPB   | 5.00                              |                               | 08/26/87<br>11/11/87 | 12.00                | 11/19/87             | 9.00<br>NR           | 08/18/87<br>11/13/87 | 17.00<br>9.00        |
| FZINC               | PPB   | 5.00                              |                               | 08/26/87<br>11/11/87 | 14.00                | 11/19/87             | NR                   | 08/18/87<br>11/13/87 | 5.00                 |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      |                      | NR<br>NR             | 07/22/87<br>10/19/87 | 20800.00<br>18700.00 |                      | NR<br>NR             |
| IRON                | PPB   | 50.00                             |                               | 08/26/87<br>11/11/87 | 77.00                | 11/19/87             | NR                   | 08/18/87<br>11/13/87 | 71.00<br>133.00      |
| MAGNES              | PPB   | 0.00                              |                               | 08/26/87<br>11/11/87 | 8000.00<br>8730.00   | 11/19/87             | 8200.00<br>NR        | 08/18/87<br>11/13/87 | 9070.00<br>9100.00   |
| MANGESE             | PPB   | 5.00                              |                               | 08/26/87<br>11/11/87 |                      | 11/19/87             | NR                   | 08/18/87<br>11/13/87 | 7.00                 |
| NITRATE             | PPB   | 500.00                            | 45000.00                      | 08/26/87             | 14300.00             | 11/19/87             | 21400.00             | 08/18/87             | 22600.00             |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          |          |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|----------|
|                  |       |                             |                         | 3-4-11      | 3-8-1    | 3-8-1       | 3-8-2    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/11/87    | 18900.00 | NR          | 11/13/87 | 24600.00 |
| PHFIELD          |       | 0.10                        |                         | 08/26/87    | 7.10     | 11/19/87    | 08/18/87 | 7.00     |
|                  |       |                             |                         | 11/11/87    | 7.90     | NR          | 11/13/87 | 7.50     |
| POTASUM          | PPB   | 100.00                      |                         | 08/26/87    | 4700.00  | 11/19/87    | 08/18/87 | 5120.00  |
|                  |       |                             |                         | 11/11/87    | 5350.00  | NR          | 11/13/87 | 5570.00  |
| SODIUM           | PPB   | 100.00                      |                         | 08/26/87    | 17100.00 | 11/19/87    | 08/18/87 | 18600.00 |
|                  |       |                             |                         | 11/11/87    | 18200.00 | NR          | 11/13/87 | 19400.00 |
| SULFATE          | PPB   | 500.00                      |                         | 08/26/87    | 27100.00 | 11/19/87    | 08/18/87 | 29900.00 |
|                  |       |                             |                         | 11/11/87    | 29200.00 | NR          | 11/13/87 | 30100.00 |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR       | 07/22/87    | 07/22/87 | 1.70     |
|                  |       |                             |                         |             | NR       | 10/19/87    | 10/19/87 | 1.60     |
| U-CHEM           | UQ/L  | 0.73                        |                         | 11/11/87    | 10.80    | 11/19/87    | 11/13/87 | 2.75     |
| VANADUM          | PPB   | 5.00                        |                         | 08/26/87    | 11.00    | 11/19/87    | 08/18/87 | 10.00    |
|                  |       |                             |                         | 11/11/87    | 13.00    | NR          | 11/13/87 | 15.00    |
| ZINC             | PPB   | 5.00                        |                         | 08/26/87    | 170.00   | 11/19/87    | 08/18/87 | 0.00     |
|                  |       |                             |                         | 11/11/87    |          | NR          | 11/13/87 |          |

C.333

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-8-3            | SAMPLE DATE          | 6-23-34              | SAMPLE DATE          | 6-24-34A             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|----------------------|----------------------|----------------------|----------------------|
| 1,1,1-T          | PPB   | 10.00                       | 200.00                  | 11/20/87    |                  | 07/20/87             | 53.90                | 07/28/87             | 41.70                |
|                  |       |                             |                         |             |                  | 10/29/87             | 47.00                | 11/15/87             | 42.00                |
| ALKALIN          |       |                             |                         |             | NR               | 10/29/87             | 222000.00 0          | 11/15/87             | 201000.00 0          |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 11/20/87    | { 4.37<br>1.78 } | 10/29/87             | { 4.04<br>1.90 }     | 11/15/87             | { 2.76<br>1.63 }     |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 11/20/87    | 6.00             | 10/29/87             |                      | 11/15/87             |                      |
| BARIUM           | PPB   | 0.00                        | 1000.00                 | 11/20/87    | 30.00<br>NR      | 07/20/87<br>10/29/87 | 79.00<br>73.00       | 07/20/87<br>11/15/87 | 64.00<br>58.00       |
| BETA             | PCI/L | 0.00                        | 50.00                   | 11/20/87    | { 7.37<br>3.85 } | 10/29/87             | { 19.10<br>5.14 }    | 11/15/87             | { 24.20<br>5.03 }    |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 11/20/87    | NR               | 07/20/87<br>10/29/87 | 2.00                 | 07/20/87<br>11/15/87 | 2.00                 |
| CALCIUM          | PPB   | 50.00                       |                         | 11/20/87    | 39200.00<br>NR   | 07/20/87<br>10/29/87 | 63900.00<br>64400.00 | 07/20/87<br>11/15/87 | 70500.00<br>52000.00 |
| CHLORID          | PPB   | 500.00                      |                         | 11/20/87    | 10900.00<br>NR   | 07/20/87<br>10/29/87 | 8480.00<br>8950.00   | 07/20/87<br>11/15/87 | 8550.00<br>8000.00   |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 11/20/87    | 10.00 *<br>NR    | 07/20/87<br>10/29/87 |                      | 07/20/87<br>11/15/87 |                      |
| CONDFLD          | UMHO  | 1.00                        |                         | 11/20/87    | 333.00<br>NR     | 07/20/87<br>10/29/87 | 476.00<br>587.00     | 07/20/87<br>11/15/87 | 439.00<br>554.00     |
| CONDLAB          | UMHO  |                             |                         |             | NR               | 10/29/87             | 563.00 0             | 11/15/87             | 453.00 0             |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 11/20/87    | NR               | 07/20/87<br>10/29/87 |                      | 07/20/87<br>11/15/87 | 21.00                |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/22/87    | { 9.07<br>5.24 } |                      | NR                   |                      | NR                   |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.334

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE                      | 8-8-3          | SAMPLE DATE          | 6-23-34              | SAMPLE DATE          | 6-24-34A             |
|------------------|-------|-----------------------------|-------------------------|----------------------------------|----------------|----------------------|----------------------|----------------------|----------------------|
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/22/87<br>10/20/87<br>10/20/87 |                |                      | NR<br>NR<br>NR       |                      | NR<br>NR<br>NR       |
| FARSEMI          | PPB   | 5.00                        | 50.00                   | 11/20/87                         | 6.00           | 10/29/87             |                      | 11/15/87             |                      |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 11/20/87                         | 43.00<br>NR    | 07/28/87<br>10/29/87 | 80.00<br>83.00       | 07/28/87<br>11/15/87 | 82.00<br>80.00       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 11/20/87                         |                | 07/28/87<br>10/29/87 | 2.00                 | 07/28/87<br>11/15/87 | 3.00                 |
| FCALCIU          | PPB   | 50.00                       |                         | 11/20/87                         | 42300.00<br>NR | 07/28/87<br>10/29/87 | 53900.00<br>70400.00 | 07/28/87<br>11/15/87 | 50000.00<br>51000.00 |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 11/20/87                         |                | 07/28/87<br>10/29/87 | 11.00                | 07/28/87<br>11/15/87 |                      |
| FIRON            | PPB   | 50.00                       |                         | 11/20/87                         |                | 07/28/87<br>10/29/87 |                      | 07/28/87<br>11/15/87 | 54.00                |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/20/87                         | 556.00<br>NR   | 07/28/87<br>10/29/87 | 650.00<br>737.00     | 07/28/87<br>11/15/87 | 640.00<br>700.00     |
| FMAGNES          | PPB   | 0.00                        |                         | 11/20/87                         | 9270.00<br>NR  | 07/28/87<br>10/29/87 | 15100.00<br>17400.00 | 07/28/87<br>11/15/87 | 14400.00<br>14000.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 11/20/87                         |                | 07/28/87<br>10/29/87 | 6.00                 | 07/28/87<br>11/15/87 |                      |
| FPOTASS          | PPB   | 100.00                      |                         | 11/20/87                         | 5510.00<br>NR  | 07/28/87<br>10/29/87 | 7310.00<br>8900.00   | 07/28/87<br>11/15/87 | 6980.00<br>7700.00   |
| FSODIUM          | PPB   | 100.00                      |                         | 11/20/87                         | 22500.00<br>NR | 07/28/87<br>10/29/87 | 22000.00<br>25000.00 | 07/28/87<br>11/15/87 | 21800.00<br>23200.00 |
| FSTRONT          | PPB   | 300.00                      |                         |                                  |                | 10/29/87             | 317.00               | 11/15/87             |                      |
| FVANADI          | PPB   | 5.00                        |                         | 11/20/87                         | 10.00          | 07/28/87             | 17.00                | 07/28/87             | 15.00                |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.335

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 3-8-8       | 8-23-34  | 8-23-34     | 8-24-34A    |             |             |
| FVANADI          | PPB   | 5.00                        |                         |             | NR       | 10/29/87    | 16.00       | 11/15/87    | 19.00       |
| FZINC            | PPB   | 5.00                        |                         | 11/20/87    | NR       | 07/28/87    | 37.00       | 07/28/87    | 30.00       |
|                  |       |                             |                         |             |          | 10/29/87    | 35.00       | 11/15/87    | 23.00       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/22/87    | 12000.00 |             | NR          |             | NR          |
|                  |       |                             |                         | 07/22/87    | 12000.00 |             | NR          |             | NR          |
|                  |       |                             |                         | 10/20/87    | 10700.00 |             | NR          |             | NR          |
|                  |       |                             |                         | 10/20/87    | 12000.00 |             | NR          |             | NR          |
| IRON             | PPB   | 50.00                       |                         | 11/20/87    |          | 07/28/87    | 401.00      | 07/28/87    | 355.00      |
|                  |       |                             |                         |             | NR       | 10/29/87    | 400.00      | 11/15/87    | 447.00      |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             | NR       | 10/29/87    | 440.00      | 11/15/87    | 470.00      |
| MAGNES           | PPB   | 0.00                        |                         | 11/20/87    | 8820.00  | 07/28/87    | 16200.00    | 07/28/87    | 15400.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 15200.00    | 11/15/87    | 14700.00    |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/20/87    | 11300.00 | 07/28/87    | 10200.00    | 07/28/87    | 19400.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 22100.00    | 11/15/87    | 24400.00    |
| PH-LAB           |       | 0.01                        |                         |             | NR       | 10/29/87    | 7.19        | 11/15/87    | 7.23        |
| PHFIELD          |       | 0.10                        |                         | 11/20/87    | 7.00     | 07/28/87    | 6.10        | 07/28/87    | 6.20        |
|                  |       |                             |                         |             | NR       | 10/29/87    | 5.10        | 11/15/87    | 6.90        |
| POTASUM          | PPB   | 100.00                      |                         | 11/20/87    | 5450.00  | 07/28/87    | 7000.00     | 07/28/87    | 7050.00     |
|                  |       |                             |                         |             | NR       | 10/29/87    | 6000.00     | 11/15/87    | 7450.00     |
| SODIUM           | PPB   | 100.00                      |                         | 11/20/87    | 21100.00 | 07/28/87    | 23200.00    | 07/28/87    | 23500.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 20400.00    | 11/15/87    | 23000.00    |
| SULFATE          | PPB   | 500.00                      |                         | 11/20/87    | 20100.00 | 07/28/87    | 40000.00    | 07/28/87    | 45700.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 51200.00    | 11/15/87    | 47500.00    |
| TC               | PPB   |                             |                         |             | NR       | 10/29/87    | 59500.00 0  | 11/15/87    | 52400.00 0  |
| TDS              |       |                             |                         |             | NR       | 10/29/87    | 344000.00 0 | 11/15/87    | 337000.00 0 |
| TOXLDL           | PPB   | 20.00                       |                         |             | NR       | 10/29/87    | 49.50       | 11/15/87    | 46.00       |

C.336

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-24-34B    | SAMPLE DATE | 8-24-34C    | SAMPLE DATE | 8-24-35     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-T          | PPB   | 10.00                       | 200.00                  | 07/28/87    | 45.00       | 07/27/87    | 27.50       | 07/27/87    |             |
|                  |       |                             |                         | 11/15/87    | 84.00       | 11/15/87    | 35.00       | 10/29/87    |             |
|                  |       |                             |                         | 11/15/87    | 81.00       |             | NR          |             | NR          |
| ALKALIN          |       |                             |                         | 11/15/87    | 218000.00 # | 11/15/87    | 208000.00 # | 10/29/87    | 132000.00 # |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 11/15/87    | 3.29        | 11/15/87    | 2.15        | 10/29/87    | 4.10        |
|                  |       |                             |                         | 11/15/87    | { 1.79}     |             | { 1.52}     |             | { 1.72}     |
|                  |       |                             |                         | 11/15/87    | 2.95        |             | NR          |             | NR          |
|                  |       |                             |                         | 11/15/87    | { 1.80}     |             |             |             |             |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 07/28/87    | 68.00       | 07/27/87    | 51.00       | 07/27/87    | 43.00       |
|                  |       |                             |                         | 11/15/87    | 85.00       | 11/15/87    | 48.00       | 10/29/87    | 43.00       |
| BETA             | PCI/L | 8.00                        | 50.00                   | 11/15/87    | 24.90       | 11/15/87    | 18.00       | 10/29/87    | 18.20       |
|                  |       |                             |                         | 11/15/87    | { 5.54}     |             | { 5.00}     |             | { 4.82}     |
|                  |       |                             |                         | 11/15/87    | 27.90       |             | NR          |             | NR          |
|                  |       |                             |                         | 11/15/87    | { 5.87}     |             |             |             |             |
| CADMIUM          | PPB   | 2.00                        | 10.00                   | 07/28/87    |             | 07/27/87    |             | 07/27/87    | 9.00        |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87    |             | 10/29/87    | 2.00        |
| CALCIUM          | PPB   | 50.00                       |                         | 07/28/87    | 65500.00    | 07/27/87    | 50900.00    | 07/27/87    | 40100.00    |
|                  |       |                             |                         | 11/15/87    | 58200.00    | 11/15/87    | 55400.00    | 10/29/87    | 37800.00    |
| CHLORID          | PPB   | 500.00                      |                         | 07/28/87    | 8500.00     | 07/27/87    | 8820.00     | 07/27/87    | 8400.00     |
|                  |       |                             |                         | 11/15/87    | 8800.00     | 11/15/87    | 9200.00     | 10/29/87    | 8600.00     |
|                  |       |                             |                         | 11/15/87    | 8890.00     |             | NR          |             | NR          |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/28/87    |             | 07/27/87    |             | 07/27/87    | 2.20 *      |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87    |             | 10/29/87    |             |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/28/87    | 459.00      | 07/27/87    | 427.00      | 07/27/87    | 341.00      |
|                  |       |                             |                         | 11/15/87    | 593.00      | 11/15/87    | 566.00      | 10/29/87    | 410.00      |
| CONDLAB          | UMHO  |                             |                         | 11/15/87    | 474.00 #    | 11/15/87    | 458.00 #    | 10/29/87    | 417.00 #    |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 07/28/87    |             | 07/27/87    |             | 07/27/87    | 51.00       |

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# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.

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0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON

NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED

VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES

WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|
|                  |       |                             |                         |             | 8-24-34B    | 8-24-34C |             |             |
| COPPER           | PPB   | 10.00                       | (1300.0)                | 11/15/87    | 10.00       |          | 11/15/87    | 10/29/87    |
| FBARIUM          | PPB   | 0.00                        | 1000.00                 | 07/28/87    | 60.00       |          | 07/27/87    | 43.00       |
|                  |       |                             |                         | 11/15/87    | 62.00       |          | 11/15/87    | 49.00       |
|                  |       |                             |                         | 11/15/87    | 68.00       |          |             | NR          |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 07/28/87    |             |          | 07/27/87    | 2.00        |
|                  |       |                             |                         | 11/15/87    |             |          | 11/15/87    |             |
|                  |       |                             |                         | 11/15/87    |             |          |             | NR          |
| FCALCIU          | PPB   | 50.00                       |                         | 07/28/87    | 65700.00    |          | 07/27/87    | 34100.00    |
|                  |       |                             |                         | 11/15/87    | 64900.00    |          | 11/15/87    | 42300.00    |
|                  |       |                             |                         | 11/15/87    | 68400.00    |          |             | NR          |
| FIRON            | PPB   | 50.00                       |                         | 07/28/87    | 57.00       |          | 07/27/87    | 50.00       |
|                  |       |                             |                         | 11/15/87    | 58.00       |          | 11/15/87    |             |
|                  |       |                             |                         | 11/15/87    | 59.00       |          |             | NR          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/28/87    | 870.00      |          | 07/27/87    | 883.00      |
|                  |       |                             |                         | 11/15/87    | 876.00      |          | 11/15/87    | 754.00      |
|                  |       |                             |                         | 11/15/87    | 884.00      |          |             | NR          |
| FMAGNES          | PPB   | 0.00                        |                         | 07/28/87    | 15400.00    |          | 07/27/87    | 10700.00    |
|                  |       |                             |                         | 11/15/87    | 15100.00    |          | 11/15/87    | 12000.00    |
|                  |       |                             |                         | 11/15/87    | 15900.00    |          |             | NR          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/28/87    | 7170.00     |          | 07/27/87    | 6700.00     |
|                  |       |                             |                         | 11/15/87    | 7380.00     |          | 11/15/87    | 7910.00     |
|                  |       |                             |                         | 11/15/87    | 7890.00     |          |             | NR          |
| FSODIUM          | PPB   | 100.00                      |                         | 07/28/87    | 22600.00    |          | 07/27/87    | 22300.00    |
|                  |       |                             |                         | 11/15/87    | 22400.00    |          | 11/15/87    | 24400.00    |
|                  |       |                             |                         | 11/15/87    | 23500.00    |          |             | NR          |
| FVANADI          | PPB   | 5.00                        |                         | 07/28/87    | 14.00       |          | 07/27/87    | 19.00       |
|                  |       |                             |                         | 11/15/87    | 10.00       |          | 11/15/87    | 21.00       |
|                  |       |                             |                         | 11/15/87    | 13.00       |          |             | NR          |
| FZINC            | PPB   | 5.00                        |                         | 07/28/87    | 23.00       |          | 07/27/87    | 10.00       |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 6-24-34B    | 6-24-34C    | 6-24-34C    | 6-24-35     |             |             |
| FZINC            | PPB   | 5.00                        |                         | 11/15/87    | 10.00       | 11/15/87    | 48.00       | 10/29/87    | 27.00       |
|                  |       |                             |                         | 11/15/87    | 14.00       |             | NR          |             | NR          |
| IRON             | PPB   | 50.00                       |                         | 07/28/87    | 132.00      | 07/27/87    | 81.00       | 07/27/87    | 142.00      |
|                  |       |                             |                         | 11/15/87    | 702.00      | 11/15/87    | 128.00      | 10/29/87    | 100.00      |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/15/87    | 480.00      | 11/15/87    | 510.00      | 10/29/87    | 525.00      |
| MAGNES           | PPB   | 0.00                        |                         | 07/28/87    | 16000.00    | 07/27/87    | 14800.00    | 07/27/87    | 10800.00    |
|                  |       |                             |                         | 11/15/87    | 16000.00    | 11/15/87    | 15500.00    | 10/29/87    | 10000.00    |
| MANGESE          | PPB   | 5.00                        |                         | 07/28/87    |             | 07/27/87    | 5.00        | 07/27/87    |             |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87    |             | 10/29/87    |             |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/28/87    | 20700.00    | 07/27/87    | 21700.00    | 07/27/87    | 18700.00    |
|                  |       |                             |                         | 11/15/87    | 27700.00    | 11/15/87    | 28000.00    | 10/29/87    | 21000.00    |
|                  |       |                             |                         | 11/15/87    | 27200.00    |             | NR          |             | NR          |
| PH-LAB           |       | 0.01                        |                         | 11/15/87    | 7.12        | 11/15/87    | 7.88        | 10/29/87    | 7.75        |
| PHFIELD          |       | 0.10                        |                         | 07/28/87    | 6.30        | 07/27/87    | 6.50        | 07/27/87    | 7.20        |
|                  |       |                             |                         | 11/15/87    | 6.00        | 11/15/87    | 6.90        | 10/29/87    | 5.50        |
| POTASUM          | PPB   | 100.00                      |                         | 07/28/87    | 7750.00     | 07/27/87    | 8080.00     | 07/27/87    | 6500.00     |
|                  |       |                             |                         | 11/15/87    | 7400.00     | 11/15/87    | 7330.00     | 10/29/87    | 6500.00     |
| SODIUM           | PPB   | 100.00                      |                         | 07/28/87    | 23800.00    | 07/27/87    | 21800.00    | 07/27/87    | 21300.00    |
|                  |       |                             |                         | 11/15/87    | 23300.00    | 11/15/87    | 23300.00    | 10/29/87    | 21400.00    |
| SULFATE          | PPB   | 500.00                      |                         | 07/28/87    | 43700.00    | 07/27/87    | 43900.00    | 07/27/87    | 47000.00    |
|                  |       |                             |                         | 11/15/87    | 45500.00    | 11/15/87    | 44600.00    | 10/29/87    | 51500.00    |
|                  |       |                             |                         | 11/15/87    | 44000.00    |             | NR          |             | NR          |
| TC               | PPB   |                             |                         | 11/15/87    | 57700.00 0  | 11/15/87    | 51200.00 0  | 10/29/87    | 30700.00 0  |
| TDS              |       |                             |                         | 11/15/87    | 358000.00 0 | 11/15/87    | 342000.00 0 | 10/29/87    | 263000.00 0 |
| TOXLDL           | PPB   | 20.00                       |                         | 11/15/87    | 83.30       | 11/15/87    | 35.00       | 10/29/87    |             |
| VANADIUM         | PPB   | 5.00                        |                         | 07/28/87    | 15.00       | 07/27/87    | 10.00       | 07/27/87    | 22.00       |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-24-34B       |       | 6-24-34C       |       | 6-24-35        |       |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-------|----------------|-------|----------------|-------|
|                     |       |                                   |                               | SAMPLE<br>DATE |       | SAMPLE<br>DATE |       | SAMPLE<br>DATE |       |
| VANADUM             | PPB   | 5.00                              |                               | 11/15/87       | 17.00 | 11/15/87       | 15.00 | 10/29/87       | 19.00 |
| ZINC                | PPB   | 5.00                              |                               | 07/28/87       | 31.00 | 07/27/87       | 37.00 | 07/27/87       | 43.00 |
|                     |       |                                   |                               | 11/15/87       | 82.00 | 11/15/87       | 71.00 | 10/29/87       | 11.00 |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | 8-25-33A    | 8-25-34A    | 8-25-34A    | 8-26-34B    |             |             |
| ALKALIN          |       |                             |                         | 11/15/87    | 124000.00 0 | 10/29/87    | 134000.00 0 | 10/29/87    | 122000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/29/87    | 2.64        | 07/29/87    | 2.00        | 07/29/87    | 1.94        |
|                  |       |                             |                         | 11/15/87    | { 1.42}     | 10/29/87    | { 1.29}     | 10/29/87    | { 1.35}     |
|                  |       |                             |                         |             | 3.44        |             | 1.31        |             | 2.09        |
|                  |       |                             |                         |             | { 1.87}     |             | { 1.22}     |             | { 1.30}     |
| ARSENIC          | PPB   | 5.00                        | 50.00                   | 07/29/87    |             | 07/29/87    | 6.00        | 07/29/87    |             |
|                  |       |                             |                         | 11/15/87    |             | 10/29/87    |             | 10/29/87    |             |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 07/29/87    | 23.00       | 07/29/87    | 30.00       | 07/29/87    | 34.00       |
|                  |       |                             |                         | 11/15/87    | 24.00       | 10/29/87    | 37.00       | 10/29/87    | 35.00       |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/29/87    | 9.74        | 07/29/87    | 21.00       | 07/29/87    | 25.20       |
|                  |       |                             |                         | 11/15/87    | { 4.00}     | 10/29/87    | { 5.10}     | 10/29/87    | { 6.47}     |
|                  |       |                             |                         |             | 8.38        |             | 22.90       |             | 22.20       |
|                  |       |                             |                         |             | { 3.93}     |             | { 5.20}     |             | { 5.20}     |
| CALCIUM          | PPB   | 50.00                       |                         | 07/29/87    | 30000.00    | 07/29/87    | 35300.00    | 07/29/87    | 34200.00    |
|                  |       |                             |                         | 11/15/87    | 29000.00    | 10/29/87    | 37900.00    | 10/29/87    | 36400.00    |
| CHLORID          | PPB   | 500.00                      |                         | 07/29/87    | 6550.00     | 07/29/87    | 7630.00     | 07/29/87    | 7510.00     |
|                  |       |                             |                         | 11/15/87    | 6050.00     | 10/29/87    | 8310.00     | 10/29/87    | 7050.00     |
| CONDFLD          | UMHO  | 1.00                        |                         | 07/29/87    | 371.00      | 07/29/87    | 347.00      | 07/29/87    | 357.00      |
|                  |       |                             |                         | 11/15/87    | 413.00      | 10/29/87    | 471.00      | 10/29/87    | 437.00      |
| CONDLAB          | UMHO  |                             |                         | 11/15/87    | 365.00 0    | 10/29/87    | 417.00 0    | 10/29/87    | 495.00 0    |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 07/29/87    |             | 07/29/87    |             | 07/29/87    |             |
|                  |       |                             |                         | 11/15/87    |             | 10/29/87    |             | 10/29/87    | 5.00        |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 07/29/87    | 28.00       | 07/29/87    | 37.00       | 07/29/87    | 34.00       |
|                  |       |                             |                         | 11/15/87    | 30.00       | 10/29/87    | 40.00       | 10/29/87    | 34.00       |
| FCALCIU          | PPB   | 50.00                       |                         | 07/29/87    | 28200.00    | 07/29/87    | 30000.00    | 07/29/87    | 30400.00    |
|                  |       |                             |                         | 11/15/87    | 28500.00    | 10/29/87    | 42400.00    | 10/29/87    | 35100.00    |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/29/87    | 630.00      | 07/29/87    | 673.00      | 07/29/87    | 685.00      |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-25-33A |  | 6-25-34A |          | SAMPLE DATE | 6-25-34B |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|----------|----------|-------------|----------|
|                  |       |                             |                         |             |          |  |          |          |             |          |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/15/87    | 585.00   |  | 10/29/87 | 760.00   | 10/29/87    | 750.00   |
| FMAGNES          | PPB   | 0.00                        |                         | 07/29/87    | 8810.00  |  | 07/29/87 | 10400.00 | 07/29/87    | 10300.00 |
|                  |       |                             |                         | 11/15/87    | 9350.00  |  | 10/29/87 | 12700.00 | 10/29/87    | 11100.00 |
| FMANGAN          | PPB   | 5.00                        |                         | 07/29/87    | 6.00     |  | 07/29/87 |          | 07/29/87    |          |
|                  |       |                             |                         | 11/15/87    | 5.00     |  | 10/29/87 |          | 10/29/87    |          |
| FPOTASS          | PPB   | 100.00                      |                         | 07/29/87    | 5780.00  |  | 07/29/87 | 5910.00  | 07/29/87    | 5750.00  |
|                  |       |                             |                         | 11/15/87    | 6080.00  |  | 10/29/87 | 7380.00  | 10/29/87    | 8800.00  |
| FSODIUM          | PPB   | 100.00                      |                         | 07/29/87    | 37300.00 |  | 07/29/87 | 22700.00 | 07/29/87    | 21700.00 |
|                  |       |                             |                         | 11/15/87    | 39100.00 |  | 10/29/87 | 24300.00 | 10/29/87    | 23800.00 |
| FVANADI          | PPB   | 5.00                        |                         | 07/29/87    | 11.00    |  | 07/29/87 | 23.00    | 07/29/87    | 23.00    |
|                  |       |                             |                         | 11/15/87    | 10.00    |  | 10/29/87 | 18.00    | 10/29/87    | 20.00    |
| FZINC            | PPB   | 5.00                        |                         | 07/29/87    | 5.00     |  | 07/29/87 | 5.00     | 07/29/87    | 7.00     |
|                  |       |                             |                         | 11/15/87    |          |  | 10/29/87 | 49.00    | 10/29/87    |          |
| IRON             | PPB   | 50.00                       |                         | 07/29/87    | 86.00    |  | 07/29/87 |          | 07/29/87    |          |
|                  |       |                             |                         | 11/15/87    | 89.00    |  | 10/29/87 | 267.00   | 10/29/87    |          |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/15/87    | 490.00   |  | 10/29/87 | 500.00   | 10/29/87    | 580.00   |
| MAGNES           | PPB   | 0.00                        |                         | 07/29/87    | 8450.00  |  | 07/29/87 | 10400.00 | 07/29/87    | 10400.00 |
|                  |       |                             |                         | 11/15/87    | 9410.00  |  | 10/29/87 | 11800.00 | 10/29/87    | 11300.00 |
| MANGESE          | PPB   | 5.00                        |                         | 07/29/87    | 6.00     |  | 07/29/87 |          | 07/29/87    |          |
|                  |       |                             |                         | 11/15/87    | 6.00     |  | 10/29/87 |          | 10/29/87    |          |
| NICKEL           | PPB   | 10.00                       |                         | 07/29/87    | 10.00    |  | 07/29/87 |          | 07/29/87    |          |
|                  |       |                             |                         | 11/15/87    |          |  | 10/29/87 |          | 10/29/87    |          |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/29/87    | 5750.00  |  | 07/29/87 | 24100.00 | 07/29/87    | 23900.00 |
|                  |       |                             |                         | 11/15/87    | 6540.00  |  | 10/29/87 | 27300.00 | 10/29/87    | 20900.00 |
| PH-LAB           |       | 0.01                        |                         | 11/15/87    | 8.26     |  | 10/29/87 | 7.72     | 10/29/87    | 7.82     |
| PHFIELD          |       | 0.10                        |                         | 07/29/87    | 7.80     |  | 07/29/87 | 7.40     | 07/29/87    | 7.40     |

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |             |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     |       |                                   |                               | 8-25-33A    | 8-25-34A    | 8-25-34A    | 8-25-34B    |             |             |
| PHFIELD             |       | 0.10                              |                               | 11/15/87    | 6.00        | 10/29/87    | 6.00        | 10/29/87    | 8.10        |
| POTASUM             | PPB   | 100.00                            |                               | 07/29/87    | 5770.00     | 07/29/87    | 6180.00     | 07/29/87    | 6350.00     |
|                     |       |                                   |                               | 11/15/87    | 5790.00     | 10/29/87    | 6090.00     | 10/29/87    | 6140.00     |
| SODIUM              | PPB   | 100.00                            |                               | 07/29/87    | 38600.00    | 07/29/87    | 23500.00    | 07/29/87    | 23600.00    |
|                     |       |                                   |                               | 11/15/87    | 38300.00    | 10/29/87    | 21600.00    | 10/29/87    | 23100.00    |
| SULFATE             | PPB   | 500.00                            |                               | 07/29/87    | 63700.00    | 07/29/87    | 40100.00    | 07/29/87    | 39000.00    |
|                     |       |                                   |                               | 11/15/87    | 67300.00    | 10/29/87    | 45500.00    | 10/29/87    | 42700.00    |
| TC                  | PPB   |                                   |                               | 07/29/87    | 29300.00 0  | 07/29/87    | 27600.00 0  | 07/29/87    | 28300.00 0  |
|                     |       |                                   |                               | 11/15/87    | 28200.00 0  | 10/29/87    | 31700.00 0  | 10/29/87    | 28100.00 0  |
| TDS                 |       |                                   |                               | 11/15/87    | 264000.00 0 | 10/29/87    | 257000.00 0 | 10/29/87    | 255000.00 0 |
| TDC                 | PPB   | 1000.00                           |                               | 07/29/87    |             | 07/29/87    |             | 07/29/87    |             |
|                     |       |                                   |                               | 11/15/87    | 1320.00     | 10/29/87    |             | 10/29/87    |             |
| VANADUM             | PPB   | 5.00                              |                               | 07/29/87    | 11.00       | 07/29/87    | 30.00       | 07/29/87    | 22.00       |
|                     |       |                                   |                               | 11/15/87    | 8.00        | 10/29/87    | 10.00       | 10/29/87    | 26.00       |
| ZINC                | PPB   | 5.00                              |                               | 07/29/87    | 9.00        | 07/29/87    | 7.00        | 07/29/87    | 9.00        |
|                     |       |                                   |                               | 11/15/87    | 15.00       | 10/29/87    | 53.00       | 10/29/87    | 10.00       |

C.344

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-25-84C | SAMPLE DATE | 6-26-83     | SAMPLE DATE | 6-26-84     |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-------------|-------------|-------------|
| ALKALIN          |       |                             |                         |             | NR       | 10/29/87    | 111000.00 0 | 11/15/87    | 111000.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR       | 07/29/87    | 2.85        | 07/30/87    | 2.75        |
|                  |       |                             |                         |             |          |             | { 1.49 }    |             | { 1.39 }    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 1.13        | 11/15/87    | 3.40        |
|                  |       |                             |                         |             |          |             | { 1.03 }    |             | { 1.60 }    |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 07/27/87    | 35.00    | 07/29/87    | 35.00       | 07/30/87    | 30.00       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 31.00       | 11/15/87    | 27.00       |
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR       | 07/29/87    | 23.50       | 07/30/87    | 21.30       |
|                  |       |                             |                         |             |          |             | { 5.34 }    |             | { 5.00 }    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 22.00       | 11/15/87    | 31.30       |
|                  |       |                             |                         |             |          |             | { 5.12 }    |             | { 5.81 }    |
| CALCIUM          | PPB   | 50.00                       |                         | 07/27/87    | 35000.00 | 07/29/87    | 33000.00    | 07/30/87    | 28500.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 29000.00    | 11/15/87    | 29300.00    |
| CHLORID          | PPB   | 500.00                      |                         | 07/27/87    | 7000.00  | 07/29/87    | 7010.00     | 07/30/87    | 6050.00     |
|                  |       |                             |                         |             | NR       | 10/29/87    | 7500.00     | 11/15/87    | 7050.00     |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/27/87    | 312.00   | 07/29/87    | 330.00      | 07/30/87    | 280.00      |
|                  |       |                             |                         |             | NR       | 10/29/87    | 379.00      | 07/30/87    | 270.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 07/30/87    | 270.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 07/30/87    | 280.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    | 301.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    | 350.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    | 350.00      |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    | 350.00      |
| CONDLAB          | UMHD  |                             |                         |             | NR       | 10/29/87    | 370.00 0    | 11/15/87    | 333.00 0    |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 | 07/27/87    | 35.00    | 07/29/87    | 34.00       | 07/30/87    | 20.00       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 33.00       | 11/15/87    | 32.00       |
| FCADMIU          | PPB   | 2.00                        | 10.00                   | 07/27/87    |          | 07/29/87    |             | 07/30/87    |             |
|                  |       |                             |                         |             | NR       | 10/29/87    |             | 11/15/87    | 2.00        |
| FCALCIU          | PPB   | 50.00                       |                         | 07/27/87    | 31200.00 | 07/29/87    | 28900.00    | 07/30/87    | 26000.00    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.345

TABLE C.5. (contd)

C.346

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                                    | SAMPLE DATE          |                                      | SAMPLE DATE  |  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------------|----------------------|--------------------------------------|--|--|
|                  |       |                             |                         | 6-25-34C    | 6-26-33                            | 6-26-33              | 6-26-34                              |  |  |
| FCALCIU          | PPB   | 50.00                       |                         |             | NR                                 | 10/29/87             | 32400.00                             | 11/15/87   | 29800.00                                     |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 07/27/87    | 882.00<br>NR                       | 07/29/87<br>10/29/87 | 893.00<br>801.00                     | 07/30/87<br>11/15/87   | 704.00<br>594.00                             |
| FMAGNES          | PPB   | 0.00                        |                         | 07/27/87    | 16600.00<br>NR                     | 07/29/87<br>10/29/87 | 9380.00<br>10300.00                  | 07/30/87<br>11/15/87   | 9370.00<br>10300.00                          |
| FPTASS           | PPB   | 100.00                      |                         | 07/27/87    | 6120.00<br>NR                      | 07/29/87<br>10/29/87 | 6540.00<br>6500.00                   | 07/30/87<br>11/15/87   | 5590.00<br>6270.00                           |
| FSODIUM          | PPB   | 100.00                      |                         | 07/27/87    | 22700.00<br>NR                     | 07/29/87<br>10/29/87 | 21700.00<br>23700.00                 | 07/30/87<br>11/15/87   | 21800.00<br>23700.00                         |
| FVANADI          | PPB   | 5.00                        |                         | 07/27/87    | 23.00<br>NR                        | 07/29/87<br>10/29/87 | 23.00<br>24.00                       | 07/30/87<br>11/15/87   | 25.00<br>30.00                               |
| FZINC            | PPB   | 5.00                        |                         | 07/27/87    | 7.00<br>NR                         | 07/29/87<br>10/29/87 | 7.00                                 | 07/30/87<br>11/15/87   | 5.00   |
| IRDN             | PPB   | 50.00                       |                         | 07/27/87    | 85.00<br>NR                        | 07/29/87<br>10/29/87 |                                      | 07/30/87<br>11/15/87   | 126.00                                       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             | NR                                 | 10/29/87             | 890.00                               | 11/15/87   | 620.00                                       |
| MAGNES           | PPB   | 0.00                        |                         | 07/27/87    | 10700.00<br>NR                     | 07/29/87<br>10/29/87 | 10000.00<br>9690.00                  | 07/30/87<br>11/15/87   | 9890.00<br>9960.00                           |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/27/87    | 24800.00<br>NR                     | 07/29/87<br>10/29/87 | 24000.00<br>29100.00                 | 07/30/87<br>11/15/87   | 24800.00<br>30600.00                         |
| PH-LAB           |       | 0.01                        |                         |             | NR                                 | 10/29/87             | 7.96                                 | 11/15/87   | 8.04   |
| PHFIELD          |       | 0.10                        |                         | 07/27/87    | 7.40<br>NR<br>NR<br>NR<br>NR<br>NR | 07/29/87<br>10/29/87 | 7.50<br>7.10<br>NR<br>NR<br>NR<br>NR | 07/30/87<br>07/30/87<br>07/30/87<br>07/30/87<br>11/15/87<br>11/15/87 | 8.90<br>7.00<br>7.00<br>7.00<br>6.70<br>6.70 |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-25-34C    |          | 6-26-33     |             | 6-26-34     |             |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-------------|-------------|-------------|
|                  |       |                             |                         | SAMPLE DATE |          | SAMPLE DATE |             | SAMPLE DATE |             |
| PHFIELD          |       | 0.10                        |                         | NR          |          | NR          |             | 11/15/87    | 0.60        |
|                  |       |                             |                         | NR          |          | NR          |             | 11/15/87    | 0.50        |
| POTASUM          | PPB   | 100.00                      |                         | 07/27/87    | 6230.00  | 07/29/87    | 6020.00     | 07/30/87    | 5740.00     |
|                  |       |                             |                         |             | NR       | 10/29/87    | 5780.00     | 11/15/87    | 5930.00     |
| SODIUM           | PPB   | 100.00                      |                         | 07/27/87    | 23000.00 | 07/29/87    | 23200.00    | 07/30/87    | 22500.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 22300.00    | 11/15/87    | 22500.00    |
| SULFATE          | PPB   | 500.00                      |                         | 07/27/87    | 38900.00 | 07/29/87    | 38500.00    | 07/30/87    | 37600.00    |
|                  |       |                             |                         |             | NR       | 10/29/87    | 41000.00    | 11/15/87    | 38500.00    |
| TC               | PPB   |                             |                         | NR          |          | 07/29/87    | 28500.00 0  | 07/30/87    | 28100.00 0  |
|                  |       |                             |                         | NR          |          | 10/29/87    | 25200.00 0  | 11/15/87    | 25400.00 0  |
| TDS              |       |                             |                         | NR          |          | 10/29/87    | 236000.00 0 | 11/15/87    | 244000.00 0 |
| TDC              | PPB   | 1000.00                     |                         | 07/27/87    |          | 07/29/87    |             | 07/30/87    |             |
|                  |       |                             |                         |             | NR       | 10/29/87    | 1290.00     | 07/30/87    |             |
|                  |       |                             |                         |             | NR       |             | NR          | 07/30/87    |             |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    |             |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    |             |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    |             |
|                  |       |                             |                         |             | NR       |             | NR          | 11/15/87    |             |
| VANADUM          | PPB   | 5.00                        |                         | 07/27/87    | 27.00    | 07/29/87    | 30.00       | 07/30/87    | 24.00       |
|                  |       |                             |                         |             | NR       | 10/29/87    | 21.00       | 11/15/87    | 28.00       |
| ZINC             | PPB   | 5.00                        |                         | 07/27/87    | 8.00     | 07/29/87    | 9.00        | 07/30/87    |             |
|                  |       |                             |                         |             | NR       | 10/29/87    |             | 11/15/87    | 28.00       |

C.347

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|-------------|------------|
|                  |       |                             |                         |             | 8-26-35A    | 8-26-35C |             |             |            |
| ALKALIN          |       |                             |                         | 11/15/87    | 120000.00 0 | 11/15/87 | 123000.00 0 | 12/13/87    | 93200.00 0 |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/30/87    | 2.91        | 07/30/87 | 1.21        | 12/13/87    | 1.31       |
|                  |       |                             |                         |             | { 1.46 }    |          | { 1.14 }    |             | { 0.95 }   |
|                  |       |                             |                         | 11/15/87    | 2.92        | 11/15/87 | 2.54        |             | NR         |
|                  |       |                             |                         |             | { 1.80 }    |          | { 1.50 }    |             |            |
| BARIUM           | PPB   | 8.00                        | 1000.00                 | 07/30/87    | 34.00       | 07/30/87 | 55.00       |             | NR         |
|                  |       |                             |                         | 11/15/87    | 31.00       | 11/15/87 | 51.00       |             | NR         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/30/87    | 25.70       | 07/30/87 | 15.50       | 12/13/87    |            |
|                  |       |                             |                         |             | { 5.40 }    |          | { 4.75 }    |             |            |
|                  |       |                             |                         | 11/15/87    | 24.20       | 11/15/87 | 23.10       |             | NR         |
|                  |       |                             |                         |             | { 5.55 }    |          | { 5.27 }    |             |            |
| CALCIUM          | PPB   | 50.00                       |                         | 07/30/87    | 31000.00    | 07/30/87 | 30500.00    |             | NR         |
|                  |       |                             |                         | 11/15/87    | 32700.00    | 11/15/87 | 30000.00    |             | NR         |
| CHLORID          | PPB   | 500.00                      |                         | 07/30/87    | 8010.00     | 07/30/87 | 9490.00     | 12/13/87    | 1270.00    |
|                  |       |                             |                         | 11/15/87    | 8620.00     | 11/15/87 | 9920.00     |             | NR         |
| CHROMIUM         | PPB   | 10.00                       | 50.00                   | 07/30/87    |             | 07/30/87 | 10.00       |             | NR         |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87 |             |             | NR         |
| COLIFRM          | MPN   | 2.20                        | 1.00                    | 07/30/87    |             | 07/30/87 | 10.00 *     |             | NR         |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87 | 10.00 *     |             | NR         |
| CONDFLD          | UMHD  | 1.00                        |                         | 07/30/87    | 342.00      | 07/30/87 | 359.00      | 12/13/87    | 173.00     |
|                  |       |                             |                         | 07/30/87    | 341.00      | 07/30/87 | 357.00      |             | NR         |
|                  |       |                             |                         | 07/30/87    | 340.00      | 07/30/87 | 356.00      |             | NR         |
|                  |       |                             |                         | 07/30/87    | 340.00      | 07/30/87 | 357.00      |             | NR         |
|                  |       |                             |                         | 11/15/87    | 372.00      | 11/15/87 | 424.00      |             | NR         |
|                  |       |                             |                         | 11/15/87    | 371.00      | 11/15/87 | 424.00      |             | NR         |
|                  |       |                             |                         | 11/15/87    | 370.00      | 11/15/87 | 424.00      |             | NR         |
|                  |       |                             |                         | 11/15/87    | 369.00      | 11/15/87 | 423.00      |             | NR         |
| CONDLAB          | UMHD  |                             |                         | 11/15/87    | 333.00 0    | 11/15/87 | 375.00 0    |             | NR         |
| FBARIIUM         | PPB   | 8.00                        | 1000.00                 | 07/30/87    | 33.00       | 07/30/87 | 54.00       | 12/13/87    | 17.00      |

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TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-26-35A             | SAMPLE DATE          | 6-26-35C             | SAMPLE DATE | 6-81-58        |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------|
| FBARIUM          | PPB   | 5.00                        | 1000.00                 | 11/15/87             | 35.00                | 11/15/87             |                      |             | NR             |
| FCALCIU          | PPB   | 50.00                       |                         | 07/30/87<br>11/15/87 | 30900.00<br>31700.00 | 07/30/87<br>11/15/87 | 37000.00             | 12/13/87    | 30400.00<br>NR |
| FCHROMI          | PPB   | 10.00                       | 50.00                   | 07/30/87<br>11/15/87 |                      | 07/30/87<br>11/15/87 |                      | 12/13/87    | 17.00<br>NR    |
| FLUDRID          | PPB   | 500.00                      | 4000.00                 | 07/30/87<br>11/15/87 | 874.00<br>840.00     | 07/30/87<br>11/15/87 | 655.00               | 12/13/87    | NR             |
| FMAGNES          | PPB   | 0.00                        |                         | 07/30/87<br>11/15/87 | 10000.00<br>10900.00 | 07/30/87<br>11/15/87 | 11900.00             | 12/13/87    | 8030.00<br>NR  |
| FMANGAN          | PPB   | 5.00                        |                         | 07/30/87<br>11/15/87 |                      | 07/30/87<br>11/15/87 | 100.00               | 12/13/87    | NR             |
| FPDTASS          | PPB   | 100.00                      |                         | 07/30/87<br>11/15/87 | 5980.00<br>6450.00   | 07/30/87<br>11/15/87 | 5940.00              | 12/13/87    | 2360.00<br>NR  |
| FSODDIUM         | PPB   | 100.00                      |                         | 07/30/87<br>11/15/87 | 22000.00<br>23100.00 | 07/30/87<br>11/15/87 | 19900.00             | 12/13/87    | 4400.00<br>NR  |
| FVANADI          | PPB   | 5.00                        |                         | 07/30/87<br>11/15/87 | 23.00<br>27.00       | 07/30/87<br>11/15/87 | 7.00                 | 12/13/87    | NR             |
| IRON             | PPB   | 50.00                       |                         | 07/30/87<br>11/15/87 | 245.00<br>496.00     | 07/30/87<br>11/15/87 |                      |             | NR<br>NR       |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 | 11/15/87             | 590.00               | 11/15/87             | 420.00               | 12/13/87    | 180.00         |
| WAGNES           | PPB   | 0.00                        |                         | 07/30/87<br>11/15/87 | 10500.00<br>10900.00 | 07/30/87<br>11/15/87 | 12000.00<br>12300.00 |             | NR<br>NR       |
| WANGESE          | PPB   | 5.00                        |                         | 07/30/87<br>11/15/87 |                      | 07/30/87<br>11/15/87 | 103.00<br>104.00     |             | NR<br>NR       |
| METHYCH          | PPB   | 10.00                       |                         | 07/30/87<br>11/15/87 |                      | 07/30/87<br>11/15/87 | 300.00               | 12/13/87    | NR             |

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C.349

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 6-26-35A    | 6-26-35C    | 6-26-35C    | 6-81-58     |             |            |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 07/30/87    | 22800.00    | 07/30/87    | 19400.00    | 12/13/87    | 2100.00    |
|                  |       |                             |                         | 11/15/87    | 28500.00    | 11/15/87    | 21800.00    | NR          |            |
| PH-LAB           |       | 0.01                        |                         | 11/15/87    | 7.97        | 11/15/87    | 8.00        | 12/13/87    | 8.05       |
| PHFIELD          |       | 0.10                        |                         | 07/30/87    | 7.40        | 07/30/87    | 7.00        | 12/13/87    | 7.50       |
|                  |       |                             |                         | 07/30/87    | 7.50        | 07/30/87    | 7.00        | NR          |            |
|                  |       |                             |                         | 07/30/87    | 7.50        | 07/30/87    | 7.10        | NR          |            |
|                  |       |                             |                         | 07/30/87    | 7.50        | 07/30/87    | 7.10        | NR          |            |
|                  |       |                             |                         | 11/15/87    | 6.90        | 11/15/87    | 4.00        | NR          |            |
|                  |       |                             |                         | 11/15/87    | 6.00        | 11/15/87    | 4.60        | NR          |            |
|                  |       |                             |                         | 11/15/87    | 6.00        | 11/15/87    | 4.50        | NR          |            |
|                  |       |                             |                         | 11/15/87    | 6.00        | 11/15/87    | 4.40        | NR          |            |
| POTASUM          | PPB   | 100.00                      |                         | 07/30/87    | 5940.00     | 07/30/87    | 5810.00     |             | NR         |
|                  |       |                             |                         | 11/15/87    | 6100.00     | 11/15/87    | 6250.00     | NR          |            |
| SODIUM           | PPB   | 100.00                      |                         | 07/30/87    | 22100.00    | 07/30/87    | 19700.00    |             | NR         |
|                  |       |                             |                         | 11/15/87    | 22300.00    | 11/15/87    | 21200.00    | NR          |            |
| SULFATE          | PPB   | 500.00                      |                         | 07/30/87    | 42100.00    | 07/30/87    | 74400.00    | 12/13/87    | 15300.00   |
|                  |       |                             |                         | 11/15/87    | 43000.00    | 11/15/87    | 69600.00    | NR          |            |
| TC               | PPB   |                             |                         | 07/30/87    | 27900.00 0  | 07/30/87    | 28500.00 0  | 12/13/87    | 22000.00 0 |
|                  |       |                             |                         | 11/15/87    | 26500.00 0  | 11/15/87    | 27400.00 0  | NR          |            |
| TDS              |       |                             |                         | 11/15/87    | 255000.00 0 | 11/15/87    | 273000.00 0 |             | NR         |
| TOC              | PPB   | 1000.00                     |                         | 07/30/87    |             | 07/30/87    |             | 12/13/87    |            |
|                  |       |                             |                         | 07/30/87    |             | 07/30/87    |             | NR          |            |
|                  |       |                             |                         | 07/30/87    |             | 07/30/87    |             | NR          |            |
|                  |       |                             |                         | 07/30/87    |             | 07/30/87    |             | NR          |            |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87    |             | NR          |            |
|                  |       |                             |                         | 11/15/87    | 3730.00     | 11/15/87    |             | NR          |            |
|                  |       |                             |                         | 11/15/87    |             | 11/15/87    |             | NR          |            |
| TOX              | PPB   | 100.00                      |                         | 07/30/87    |             | 07/30/87    | 203.00      |             | NR         |
|                  |       |                             |                         |             |             |             |             |             |            |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-26-85A | SAMPLE<br>DATE | 6-26-85C | SAMPLE<br>DATE | 6-81-88 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|---------|
| TOX                 | PPB   | 100.00                            |                               | 07/30/87       |          | 07/30/87       | 230.00   |                | NR      |
|                     |       |                                   |                               | 07/30/87       |          | 07/30/87       | 230.00   |                | NR      |
|                     |       |                                   |                               | 07/30/87       |          | 07/30/87       | 220.00   |                | NR      |
| VANADIUM            | PPB   | 5.00                              |                               | 07/30/87       | 23.00    | 07/30/87       | 9.00     |                | NR      |
|                     |       |                                   |                               | 11/15/87       | 28.00    | 11/15/87       | 8.00     |                | NR      |
| ZINC                | PPB   | 5.00                              |                               | 07/30/87       | 0.00     | 07/30/87       |          |                | NR      |
|                     |       |                                   |                               | 11/15/87       | 12.00    | 11/15/87       | 26.00    |                | NR      |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-S19-E13 | SAMPLE DATE | 8-S30-E15A |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/27/87    | 2.40      | 08/17/87    |            |
|                  |       |                             |                         |             | { 1.46 }  |             |            |
|                  |       |                             |                         | 11/19/87    | 2.34      | 11/20/87    | 2.63       |
|                  |       |                             |                         |             | { 1.72 }  |             | { 1.48 }   |
| BARIUM           | PPB   | 6.00                        | 1000.00                 | 08/27/87    | 52.00     | 08/17/87    | 61.00      |
|                  |       |                             |                         | 11/19/87    | 54.00     | 11/20/87    | 58.00      |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/27/87    | 43.10     | 07/09/87    | 4.33       |
|                  |       |                             |                         |             | { 8.90 }  |             | { 1.83 }   |
|                  |       |                             |                         | 11/19/87    | 8.15      | 08/17/87    | 5.37       |
|                  |       |                             |                         |             | { 3.78 }  |             | { 3.84 }   |
|                  |       |                             |                         |             | NR        | 10/21/87    | 4.65       |
|                  |       |                             |                         |             | NR        | 11/20/87    | { 1.81 }   |
|                  |       |                             |                         |             |           |             | 9.10       |
|                  |       |                             |                         |             |           |             | { 4.88 }   |
| CALCIUM          | PPB   | 50.00                       |                         | 08/27/87    | 37200.00  | 08/17/87    | 52200.00   |
|                  |       |                             |                         | 11/19/87    | 62000.00  | 11/20/87    | 67800.00   |
| CHLORID          | PPB   | 500.00                      |                         | 08/27/87    | 18600.00  | 08/17/87    | 5650.00    |
|                  |       |                             |                         | 11/19/87    | 5250.00   | 11/20/87    | 4940.00    |
| CONDFLD          | UMHO  | 1.00                        |                         | 08/27/87    | 291.00    | 08/17/87    | 374.00     |
|                  |       |                             |                         | 11/19/87    | 405.00    | 11/20/87    | 398.00     |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/09/87    |           |             | NR         |
|                  |       |                             |                         | 08/27/87    |           |             | NR         |
|                  |       |                             |                         | 10/21/87    | 4.51      |             | NR         |
|                  |       |                             |                         |             | { 3.88 }  |             |            |
| FARSENI          | PPB   | 5.00                        | 50.00                   | 08/27/87    | 6.00      | 08/17/87    |            |
|                  |       |                             |                         | 11/19/87    |           | 11/20/87    |            |
| FBARIUM          | PPB   | 6.00                        | 1000.00                 | 08/27/87    | 49.00     | 08/17/87    | 53.00      |
|                  |       |                             |                         | 11/19/87    | 58.00     | 11/20/87    | 56.00      |
| FCALCIU          | PPB   | 50.00                       |                         | 08/27/87    | 36800.00  | 08/17/87    | 50100.00   |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.5. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE       | 6-S19-E13            | SAMPLE<br>DATE       | 6-S30-E15A           |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|
| FCALCIU             | PPB   | 50.00                             |                               | 11/19/87             | 62000.00             | 11/20/87             | 65500.00             |
| FIRON               | PPB   | 50.00                             |                               | 08/27/87<br>11/19/87 | 191.00               | 08/17/87<br>11/20/87 |                      |
| FMAGNES             | PPB   | 0.00                              |                               | 08/27/87<br>11/19/87 | 12400.00<br>11800.00 | 08/17/87<br>11/20/87 | 11000.00<br>12200.00 |
| FPOTASS             | PPB   | 100.00                            |                               | 08/27/87<br>11/19/87 | 6230.00<br>5970.00   | 08/17/87<br>11/20/87 | 5720.00<br>5930.00   |
| FSODIUM             | PPB   | 100.00                            |                               | 08/27/87<br>11/19/87 | 21800.00<br>13100.00 | 08/17/87<br>11/20/87 | 12000.00<br>13000.00 |
| FVANADI             | PPB   | 5.00                              |                               | 08/27/87<br>11/19/87 | 10.00<br>5.00        | 08/17/87<br>11/20/87 | 5.00                 |
| FZINC               | PPB   | 5.00                              |                               | 08/27/87<br>11/19/87 | 102.00               | 08/17/87<br>11/20/87 | 81.00<br>112.00      |
| IRON                | PPB   | 50.00                             |                               | 08/27/87<br>11/19/87 | 114.00               | 08/17/87<br>11/20/87 | 50.00                |
| MAGNES              | PPB   | 0.00                              |                               | 08/27/87<br>11/19/87 | 12800.00<br>12000.00 | 08/17/87<br>11/20/87 | 11800.00<br>11900.00 |
| METHYCH             | PPB   | 10.00                             |                               | 08/27/87<br>11/19/87 | 230.00               | 08/17/87<br>11/20/87 |                      |
| NITRATE             | PPB   | 500.00                            | 45000.00                      | 08/27/87<br>11/19/87 | 22100.00<br>11200.00 | 08/17/87<br>11/20/87 | 15000.00<br>11100.00 |
| PHFIELD             |       | 0.10                              |                               | 08/27/87<br>11/19/87 | 7.00<br>7.00         | 08/17/87<br>11/20/87 | 7.00<br>7.70         |
| POTASUM             | PPB   | 100.00                            |                               | 08/27/87<br>11/19/87 | 6310.00<br>6100.00   | 08/17/87<br>11/20/87 | 5700.00<br>5450.00   |
| RU-106              | PCI/L | 172.50                            | 30.00                         | 07/09/87             |                      |                      | NR                   |

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 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.5. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          |  | SAMPLE DATE          |                      |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|----------------------|----------------------|
|                  |       |                             |                         | 8-S19-E13            | 8-S30-E15A                                     | 8-S19-E13            | 8-S30-E15A           |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/27/87<br>10/21/87 | 88.70 *<br>{ 60.90 }                           |                      | NR<br>NR             |
| SODIUM           | PPB   | 100.00                      |                         | 08/27/87<br>11/19/87 | 22300.00<br>12600.00                           | 08/17/87<br>11/20/87 | 12700.00<br>10700.00 |
| SULFATE          | PPB   | 500.00                      |                         | 08/27/87<br>11/19/87 | 52400.00<br>16600.00                           | 08/17/87<br>11/20/87 | 18700.00<br>16300.00 |
| TOC              | PPB   | 1000.00                     |                         | 08/27/87<br>11/19/87 |  | 08/17/87<br>11/20/87 | 1500.00              |
| TOX              | PPB   | 100.00                      |                         | 08/27/87<br>11/19/87 | 135.00   | 08/17/87<br>11/20/87 |                      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/09/87<br>10/21/87 | 6280.00<br>{ 298.00 }<br>8450.00<br>{ 307.00 } | 07/09/87<br>10/21/87 | 270.00<br>{ 165.00 } |
| U                | PCI/L | 0.50                        | 000.00                  | 07/09/87<br>10/21/87 | 2.85<br>3.01                                   | 07/09/87<br>10/21/87 | 1.44<br>1.40         |
| U-CHEM           | UG/L  | 0.73                        |                         | 08/27/87<br>11/19/87 | 4.73<br>1.92                                   | 11/20/87             | 2.13<br>NR           |
| VANADUM          | PPB   | 5.00                        |                         | 08/27/87<br>11/19/87 | 14.00<br>0.00                                  | 08/17/87<br>11/20/87 | 5.00<br>6.00         |
| ZINC             | PPB   | 5.00                        |                         | 08/27/87<br>11/19/87 | 51.00  | 08/17/87<br>11/20/87 | 38.00<br>32.00       |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.6. Constituents Analyzed for in Ground-Water Samples from Site-Wide Radiological (plus Nitrate) Monitoring Wells Outside the Site-Wide Chemical or Compliance Monitoring Networks

| WELL NAME | T | H | A | B | G | C | N | S | T | I | U | U | U | P | A | A |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|           | R | N | L | E | A |   | I | R | C |   | C | I | 2 | I | N | N |
|           | I | I | P | T | M | 1 | 6 | 9 | 9 | 1 | C | 1 | 3 | I | I | O |
|           | T | T | H | A | A | 4 | 3 | 0 | 9 | 9 | U | U | 6 | 0 | S | S |
|           | M | A | A | A | A |   |   |   |   |   | M | 0 |   | 0 |   | E |
| 1-B4-2    | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 1-B4-3    | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 1-B5-1    | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 1-F5-3    | X | X |   |   | X |   |   |   |   |   | X |   |   |   |   |   |
| 1-F8-2    | X | X |   |   | X |   |   |   |   |   | X |   |   |   |   |   |
| 1-N-5     | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-15    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-16    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-18    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-19    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-20    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-21    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-22    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-23    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-24    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-25    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-30    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-33    | X | X |   |   | X | X | X | X | X | X |   |   |   |   |   |   |
| 1-N-37    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-45    | X | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-50    | X | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| 1-N-51    | X | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| 2-E13-8   | X |   |   | X | X |   |   | X |   |   | X |   |   |   | X |   |
| 2-E13-19  | X |   |   | X | X |   |   | X |   |   | X |   |   |   | X |   |
| 2-E16-2   | X | X | X | X | X |   |   | X |   |   |   |   |   |   |   |   |
| 2-E17-2   | X | X | X | X | X |   |   | X | X | X |   | X |   |   |   |   |
| 2-E17-8   | X | X |   | X | X | X |   | X |   | X |   |   |   |   |   |   |
| 2-E17-12  | X | X | X | X | X |   |   | X |   | X |   | X |   |   |   |   |
| 2-E17-13  | X | X | X | X | X |   |   | X |   | X |   | X |   |   |   |   |
| 2-E19-1   | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 2-E23-1   | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 2-E24-1   | X | X |   | X | X |   |   | X |   | X |   |   |   |   |   |   |
| 2-E24-4   | X | X |   | X | X |   |   | X |   |   |   |   |   |   |   |   |
| 2-E24-7   | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| 2-E24-11  | X | X |   | X | X |   |   | X |   |   |   |   |   |   |   |   |
| 2-E24-13  | X | X |   | X | X |   |   | X |   |   |   |   |   |   |   |   |

TABLE C.6. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | T<br>R<br>I<br>T<br>I<br>U<br>M | H<br>N<br>I<br>T<br>R<br>A<br>T | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | C | N<br>I | S<br>R | T<br>C | I | U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>O | U<br>2<br>3<br>6 | P<br>U<br>I<br>S<br>O | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E |
|--------------------------------------|---------------------------------|---------------------------------|-----------------------|------------------|-----------------------|---|--------|--------|--------|---|-----------------------|------------------|------------------|-----------------------|----------------------------|---------------------------------|
| 2-E25-2                              | X                               | X                               |                       | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-3                              | X                               |                                 |                       | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-6                              | X                               | X                               | X                     | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-9                              | X                               | X                               | X                     | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-10                             |                                 |                                 | X                     | X                | X                     |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 2-E25-11                             | X                               | X                               | X                     | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-13                             |                                 | X                               |                       | X                |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E25-17                             | X                               | X                               | X                     | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-1                              | X                               |                                 |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-2                              | X                               | X                               |                       | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-3                              | X                               | X                               |                       |                  | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-4                              | X                               | X                               |                       | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-6                              | X                               | X                               | X                     | X                | X                     |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E26-8                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E27-1                              | X                               | X                               |                       |                  | X                     |   |        | X      |        | X |                       |                  |                  |                       | X                          |                                 |
| 2-E27-7                              |                                 | X                               | X                     | X                |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E28-1                              | X                               | X                               |                       |                  | X                     |   |        | X      |        |   |                       |                  |                  |                       | X                          |                                 |
| 2-E28-5                              | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E28-7                              | X                               |                                 | X                     | X                | X                     |   |        | X      |        | X | X                     |                  |                  |                       | X                          |                                 |
| 2-E28-9                              |                                 |                                 | X                     | X                |                       |   |        |        |        | X |                       |                  |                  |                       |                            |                                 |
| 2-E28-12                             | X                               |                                 |                       | X                | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E28-13                             | X                               |                                 |                       | X                | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-E28-16                             |                                 |                                 | X                     | X                |                       |   |        |        |        | X |                       |                  |                  |                       |                            |                                 |
| 2-E28-17                             |                                 |                                 | X                     |                  |                       |   |        |        |        | X |                       |                  |                  |                       |                            |                                 |
| 2-E28-18                             | X                               | X                               | X                     | X                | X                     |   |        | X      |        | X | X                     |                  |                  |                       |                            |                                 |
| 2-E28-23                             | X                               | X                               | X                     | X                | X                     |   |        | X      |        | X | X                     |                  |                  |                       | X                          |                                 |
| 2-E28-24                             |                                 |                                 | X                     | X                | X                     |   |        | X      |        | X | X                     |                  |                  |                       | X                          |                                 |
| 2-E28-25                             |                                 |                                 | X                     | X                | X                     |   |        | X      |        | X | X                     |                  |                  |                       | X                          |                                 |
| 2-E33-7                              | X                               |                                 |                       | X                | X                     |   |        | X      | X      | X |                       |                  |                  |                       | X                          |                                 |
| 2-E33-9                              | X                               | X                               |                       | X                | X                     |   |        | X      | X      | X |                       |                  |                  |                       | X                          |                                 |
| 2-E33-12                             | X                               | X                               |                       |                  | X                     |   |        | X      |        | X |                       |                  |                  |                       | X                          |                                 |
| 2-E33-14                             | X                               | X                               |                       |                  | X                     |   |        | X      |        | X |                       |                  |                  |                       | X                          |                                 |
| 2-E33-20                             | X                               | X                               |                       | X                | X                     |   |        | X      |        | X |                       |                  |                  |                       | X                          |                                 |
| 2-E33-26                             |                                 |                                 |                       | X                | X                     |   |        | X      | X      |   |                       |                  |                  |                       |                            |                                 |
| 2-W6-1                               | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 2-W10-1                              | X                               |                                 |                       | X                | X                     |   |        | X      |        | X |                       |                  |                  |                       | X                          |                                 |

TABLE C.6. (contd)

| WELL NAME | TRITIUM | HNITRAT | ALPHA | BETA | GAMMA | C  | NI | SR | TC | I   | U | U    | U   | PU  | ANIONS | ANIONS |
|-----------|---------|---------|-------|------|-------|----|----|----|----|-----|---|------|-----|-----|--------|--------|
|           |         |         |       |      |       | 14 | 63 | 90 | 99 | 129 | U | CHEM | ISO | 236 | ISO    | SE     |
| 2-W10-3   | X       |         | X     | X    | X     |    |    | X  | X  |     | X |      |     | X   |        |        |
| 2-W10-5   | X       |         |       |      | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W11-3   | X       | X       |       |      | X     |    |    | X  |    |     | X |      |     | X   |        |        |
| 2-W11-9   | X       | X       |       |      | X     |    |    | X  |    |     | X |      |     | X   |        |        |
| 2-W11-11  |         |         | X     | X    | X     |    |    | X  | X  |     |   |      |     |     |        |        |
| 2-W11-15  |         |         |       | X    |       |    |    |    |    |     |   |      |     |     |        |        |
| 2-W11-18  |         |         |       | X    | X     |    |    | X  | X  |     |   |      |     |     |        |        |
| 2-W11-23  |         | X       | X     | X    | X     |    |    | X  | X  |     |   |      |     |     |        |        |
| 2-W11-24  |         | X       | X     | X    | X     |    |    | X  | X  |     |   |      |     |     |        |        |
| 2-W12-1   | X       | X       |       |      | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W14-10  | X       | X       | X     | X    | X     |    |    | X  |    |     |   |      |     |     |        |        |
| 2-W15-2   | X       |         |       |      | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W15-3   |         | X       |       | X    | X     |    |    | X  |    |     |   |      |     |     |        |        |
| 2-W15-6   | X       | X       | X     | X    | X     |    |    |    |    |     |   |      |     | X   |        |        |
| 2-W18-3   | X       | X       |       |      | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W18-5   |         |         | X     | X    |       |    |    |    |    |     |   |      |     |     |        |        |
| 2-W18-9   |         | X       | X     | X    |       |    |    |    |    |     |   |      |     |     |        |        |
| 2-W18-17  | X       | X       | X     | X    | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W18-20  | X       | X       | X     | X    | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W19-2   | X       | X       | X     | X    | X     |    |    | X  | X  |     |   | X    |     |     |        |        |
| 2-W19-4   |         | X       |       |      |       |    |    |    |    |     |   |      |     |     |        |        |
| 2-W19-12  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    |     |     |        |        |
| 2-W19-14  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    |     |     |        |        |
| 2-W19-17  |         | X       | X     | X    |       |    |    |    | X  |     |   | X    | X   |     | X      | X      |
| 2-W19-18  |         | X       | X     | X    |       |    |    |    | X  |     |   | X    | X   |     | X      | X      |
| 2-W19-19  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    |     |     |        |        |
| 2-W19-21  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    |     |     |        |        |
| 2-W19-23  | X       | X       | X     | X    | X     |    |    | X  | X  |     |   | X    |     | X   |        |        |
| 2-W19-25  | X       | X       | X     | X    | X     |    |    | X  | X  |     |   | X    | X   | X   |        |        |
| 2-W19-26  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    | X   | X   |        |        |
| 2-W19-27  | X       | X       | X     | X    | X     |    |    | X  |    |     |   | X    | X   | X   |        |        |
| 2-W21-1   | X       | X       |       |      | X     |    |    |    |    |     |   |      |     |     |        |        |
| 2-W22-7   | X       | X       |       |      | X     |    |    | X  |    |     | X |      |     | X   |        |        |
| 2-W22-9   | X       | X       |       |      | X     |    |    | X  |    |     | X |      |     | X   |        |        |
| 2-W22-10  | X       |         | X     | X    | X     |    |    | X  |    |     | X |      |     | X   |        |        |
| 2-W22-18  |         |         | X     | X    | X     |    |    | X  |    |     |   |      |     |     |        |        |
| 2-W22-21  |         | X       | X     | X    | X     | X  |    | X  | X  | X   |   | X    |     |     |        |        |

TABLE C.6. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | T<br>R<br>I<br>T<br>I<br>U<br>M | H<br>N<br>I<br>T<br>R<br>A<br>T | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | C<br>1<br>4 | N<br>I<br>6<br>3 | S<br>R<br>9<br>0 | T<br>C<br>9<br>9 | I<br>1<br>2<br>9 | U<br>U<br>C<br>H<br>E<br>M | U<br>U<br>I<br>S<br>O | U<br>U<br>2<br>3<br>6 | P<br>U<br>I<br>S<br>O | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E |
|--------------------------------------|---------------------------------|---------------------------------|-----------------------|------------------|-----------------------|-------------|------------------|------------------|------------------|------------------|----------------------------|-----------------------|-----------------------|-----------------------|----------------------------|---------------------------------|
| 2-W23-1                              | X                               | X                               |                       | X                | X                     |             |                  | X                | X                |                  | X                          |                       |                       |                       | X                          |                                 |
| 2-W23-2                              |                                 | X                               |                       | X                | X                     |             |                  | X                |                  |                  | X                          |                       |                       |                       | X                          |                                 |
| 2-W23-3                              |                                 | X                               |                       | X                | X                     |             |                  | X                |                  |                  |                            |                       |                       |                       |                            |                                 |
| 2-W23-4                              | X                               | X                               | X                     |                  | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       | X                          |                                 |
| 2-W23-7                              |                                 |                                 |                       | X                |                       |             |                  | X                | X                |                  |                            |                       |                       |                       |                            |                                 |
| 2-W23-9                              | X                               | X                               | X                     | X                | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 2-W23-11                             | X                               | X                               | X                     | X                | X                     |             |                  |                  |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 2-W26-3                              | X                               | X                               | X                     | X                |                       |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 2-W26-6                              | X                               | X                               | X                     | X                | X                     |             |                  | X                |                  |                  |                            |                       |                       |                       |                            |                                 |
| 3-2-2                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-2-3                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-1                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-2                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-3                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-6                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-9                                | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-3-11                               | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 3-3-12                               | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 3-4-9                                | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 3-4-10                               | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          | X                     |                       |                       |                            |                                 |
| 3-5-1                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-6-1                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 3-8-4                                | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 4-S0-7                               | X                               |                                 |                       |                  | X                     |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 4-S0-8                               | X                               |                                 |                       |                  | X                     |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 4-S1-7B                              | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-1-18                               | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-2-7                                | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-3-45                               | X                               | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          |                       |                       |                       |                            |                                 |
| 6-4-E6                               | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-8-17                               | X                               | X                               |                       |                  | X                     |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-8-32                               | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-10-54A                             | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-12-4B                              |                                 |                                 |                       |                  | X                     |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-13-64                              | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-14-E6T                             | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |
| 6-14-38                              | X                               | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                       |                       |                       |                            |                                 |

TABLE C.6. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | T<br>R<br>I<br>T<br>I<br>U<br>M | H<br>N<br>I<br>T<br>R<br>A<br>T | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | C | N<br>I | S<br>R | T<br>C | I | U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>O | U<br>2<br>3<br>6 | P<br>U<br>I<br>S<br>O | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E |
|--------------------------------------|---------------------------------|---------------------------------|-----------------------|------------------|-----------------------|---|--------|--------|--------|---|-----------------------|------------------|------------------|-----------------------|----------------------------|---------------------------------|
| 6-14-47                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-15-15B                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-17-5                               | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-17-47                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-17-70                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-19-58                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-19-88                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-E5AP                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-E5AQ                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-E5AR                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-E12                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-E12P                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-20-82                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-21-6                               | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-22-70                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-24-1T                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-24-1P                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-24-1Q                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-24-1R                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-24-1S                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-25-55                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-25-70                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-26-15A                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-26-89                              |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-27-8                               | X                               | X                               |                       |                  | X                     |   |        | X      | X      |   |                       |                  |                  |                       |                            |                                 |
| 6-28-40P                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-28-52A                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-31-31                              | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-31-31P                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-32-62                              | X                               | X                               | X                     |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-34-39A                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-34-41B                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-34-88                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-36-46P                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-36-46Q                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-36-61B                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-36-93                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |

TABLE C.6. (contd)

| WELL NAME | TRITIUM | HINTRAT | ALPHA | BETA | GAMMA | C 14 | NI 63 | SR 90 | TC 99 | I 129 | U CHEM | U ISO | U 236 | PUI SO | ANIONS | ANIONS |
|-----------|---------|---------|-------|------|-------|------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 6-38-15   | X       | X       |       |      | X     |      |       |       |       |       |        |       |       |        |        |        |
| 6-39-0    | X       | X       | X     | X    | X     |      |       | X     |       |       | X      |       |       |        |        |        |
| 6-39-39   | X       | X       |       |      | X     |      |       |       |       |       |        |       |       |        |        |        |
| 6-41-23   | X       | X       |       |      | X     |      |       |       | X     | X     |        |       |       |        |        |        |
| 6-42-12A  | X       | X       |       |      | X     |      |       | X     |       |       | X      |       |       |        |        |        |
| 6-42-40A  | X       | X       | X     | X    | X     |      |       | X     |       |       | X      |       |       |        |        |        |
| 6-42-40B  | X       | X       |       | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-42-40C  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-44-4    | X       | X       |       |      | X     |      |       |       |       |       |        |       |       |        |        |        |
| 6-46-21B  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-47-35A  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-49-13E  | X       | X       | X     | X    | X     |      |       | X     |       |       | X      |       |       |        |        |        |
| 6-49-28   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-49-100C | X       | X       | X     | X    |       |      |       | X     |       |       |        |       |       |        |        |        |
| 6-50-28B  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-50-30   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-50-42   | X       | X       | X     | X    |       |      |       | X     |       |       |        |       |       |        |        |        |
| 6-50-45   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-51-46   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-51-63   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-52-19   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-52-48   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-53-35   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-53-47A  |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-53-47B  |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-53-48A  |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-53-48B  |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-53-50   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-53-55A  |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-53-103  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-54-34   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-54-37A  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-54-42   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-54-45A  | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |
| 6-54-48   |         |         | X     | X    | X     |      |       | X     |       |       |        |       |       |        |        |        |
| 6-54-49   |         |         | X     | X    |       |      |       | X     |       |       |        |       |       |        |        |        |
| 6-54-57   | X       | X       |       |      |       |      |       |       |       |       |        |       |       |        |        |        |

TABLE C.6. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | T<br>R<br>I<br>T<br>U<br>M | H<br>N<br>I<br>T<br>A<br>M<br>T | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | C<br>1<br>4 | N<br>I<br>6<br>3 | S<br>R<br>9<br>0 | T<br>C<br>9<br>9 | I<br>1<br>2<br>9 | U<br>U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>O | U<br>2<br>3<br>6 | P<br>U<br>I<br>S<br>O | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E |
|--------------------------------------|----------------------------|---------------------------------|-----------------------|------------------|-----------------------|-------------|------------------|------------------|------------------|------------------|----------------------------|------------------|------------------|-----------------------|----------------------------|---------------------------------|
| 6-55-40                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-55-44                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-55-50A                             | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-55-50D                             | X                          | X                               | X                     | X                |                       |             |                  | X                |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-55-70                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-55-89                              | X                          | X                               |                       |                  | X                     |             |                  | X                |                  |                  | X                          |                  |                  |                       |                            |                                 |
| 6-56-43                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-56-51                              |                            |                                 | X                     | X                |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-56-53                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-57-25A                             | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-57-29A                             | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-57-83A                             |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-58-24                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-59-32                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-59-58                              | X                          | X                               | X                     | X                |                       |             |                  | X                |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-59-80B                             |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-60-32                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-60-57                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-60-60                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-61-37                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-61-41                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-61-62                              | X                          | X                               |                       |                  | X                     |             |                  |                  |                  |                  | X                          |                  |                  |                       |                            |                                 |
| 6-61-66                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-62-31                              |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-62-43F                             | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-63-25A                             | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-63-51                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-63-55                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-63-58                              | X                          | X                               | X                     | X                | X                     |             |                  | X                |                  |                  | X                          |                  |                  |                       |                            |                                 |
| 6-63-90                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-64-27                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-64-62                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-65-50                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-65-59                              | X                          | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-66-23                              |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-66-38                              |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |
| 6-66-39                              |                            | X                               |                       |                  |                       |             |                  |                  |                  |                  |                            |                  |                  |                       |                            |                                 |



TABLE C.6. (contd)

| W<br>E<br>L<br>L<br>N<br>A<br>M<br>E | T<br>R<br>I<br>T<br>I<br>U<br>M | H<br>N<br>I<br>T<br>R<br>A<br>T | A<br>L<br>P<br>H<br>A | B<br>E<br>T<br>A | G<br>A<br>M<br>M<br>A | C | N<br>I | S<br>R | T<br>C | I | U<br>C<br>H<br>E<br>M | U<br>I<br>S<br>O | U<br>2<br>3<br>6 | P<br>U<br>I<br>S<br>O | A<br>N<br>I<br>O<br>N<br>S | A<br>N<br>I<br>O<br>N<br>S<br>E |
|--------------------------------------|---------------------------------|---------------------------------|-----------------------|------------------|-----------------------|---|--------|--------|--------|---|-----------------------|------------------|------------------|-----------------------|----------------------------|---------------------------------|
| 6-66-58                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-66-64                              | X                               | X                               |                       |                  | X                     |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 6-66-103                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-67-51                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-67-98                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-68-105                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-69-38                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-72-73                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-72-88                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-72-92                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-78-62                              |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-80-43P                             |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-80-43Q                             |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-80-43R                             |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-80-43S                             |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-84-35A0                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-87-55                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S6-E4B                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 6-S6-E4D                             | X                               | X                               |                       |                  | X                     |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 6-S7-34                              | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S11E12A                            | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S12-29                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S14-20A                            | X                               | X                               |                       |                  | X                     |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 6-S18-51                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S19-11                             | X                               | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S24-19                             |                                 | X                               |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S27-E14                            | X                               | X                               |                       |                  |                       |   |        |        |        |   | X                     |                  |                  |                       |                            |                                 |
| 6-S28-E0                             | X                               | X                               | X                     | X                |                       |   |        | X      |        |   |                       |                  |                  |                       |                            |                                 |
| 6-S31-1P                             | X                               |                                 |                       |                  |                       |   |        |        |        |   |                       |                  |                  |                       |                            |                                 |

TABLE C.7. Results for Site-Wide Radiological (plus Nitrate) Monitoring Wells Outside the Site-Wide Chemical or Compliance Monitoring Networks

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-B4-2     | SAMPLE DATE | 1-B4-3     | SAMPLE DATE | 1-B5-1     |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
|                  |       |                             |                         | -----       | -----      | -----       | -----      | -----       | -----      |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/02/87    | 5.07       | 07/02/87    | 12.60      | 07/02/87    |            |
|                  |       |                             |                         | 10/19/87    | { 4.54 }   | 10/19/87    | { 8.43 }   | 10/19/87    |            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/02/87    | 11200.00   | 07/02/87    | 10200.00   | 07/02/87    | 10300.00   |
|                  |       |                             |                         | 10/19/87    | 9590.00    | 10/19/87    | 20700.00   | 10/19/87    | 9470.00    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/02/87    | 2500.00    | 07/02/87    | 5000.00    | 07/02/87    | 1350.00    |
|                  |       |                             |                         |             | { 228.00 } |             | { 331.00 } |             | { 198.00 } |
|                  |       |                             |                         | 10/19/87    | 4100.00    | 10/19/87    | 40700.00 * | 10/19/87    | 1620.00    |
|                  |       |                             | { 311.00 }              |             | { 781.00 } |             | { 255.00 } |             |            |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE          |          | SAMPLE DATE                     | SAMPLE DATE |                    |  |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------|----------|---------------------------------|-------------|--------------------|--|--|
|                  |       |                             |                         |             | 1-F5-3               | 1-F8-2   |                                 | 1-N-6       |                    |  |  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/02/87    | { 11.30<br>7.16 }    | 07/02/87 | { 9.84<br>7.44 }                | 09/17/87    | { 25.70<br>10.50 } |  |  |
|                  |       |                             |                         | 10/15/87    | NR                   | 07/02/87 | NR                              |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | NR                              |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | NR                              |             | NR                 |  |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/02/87    |                      | 07/02/87 | { 10.30<br>6.92 }               | 09/17/87    |                    |  |  |
|                  |       |                             |                         | 10/15/87    | NR                   | 07/02/87 | NR                              |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | NR                              |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | NR                              |             | NR                 |  |  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/02/87    |                      | 07/02/87 | 92400.00 *                      | 09/17/87    | 22500.00           |  |  |
|                  |       |                             |                         | 10/15/87    | NR                   | 07/02/87 | 92700.00 *                      |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | 92300.00 *                      |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | 92700.00 *                      |             | NR                 |  |  |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR                   |          | NR                              | 871.00 *    |                    |  |  |
|                  |       |                             |                         |             |                      |          |                                 | { 38.70 }   |                    |  |  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/02/87    | { 487.00<br>172.00 } | 07/02/87 | 2830.00                         | 09/17/87    | 50700.00 *         |  |  |
|                  |       |                             |                         | 10/15/87    |                      | 07/02/87 | { 230.00<br>2530.00<br>227.00 } |             | { 867.00<br>NR     |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | 2340.00                         |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | { 285.00<br>2430.00<br>260.00 } |             | NR                 |  |  |
|                  |       |                             |                         |             |                      |          |                                 |             |                    |  |  |
|                  |       |                             |                         |             |                      |          |                                 |             |                    |  |  |
| U                | PCI/L | 0.50                        | 600.00                  | 07/02/87    |                      | 07/02/87 | 93.80                           |             | NR                 |  |  |
|                  |       |                             |                         | 10/15/87    | NR                   | 07/02/87 | 98.80                           |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | 144.00                          |             | NR                 |  |  |
|                  |       |                             |                         |             | NR                   | 10/19/87 | 135.00                          |             | NR                 |  |  |

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\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 1-N-15         |  | 1-N-16         |                |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--|----------------|----------------|
|                     |       |                                   |                               | SAMPLE<br>DATE | 1-N-15                                 | SAMPLE<br>DATE | 1-N-16         |
| CO-60               | PCI/L | 22.50                             | 100.00                        | 09/10/87       | 27.50                                  | 09/17/87       |                |
|                     |       |                                   |                               | 11/22/87       | { 15.00 }<br>20.50<br>{ 14.30 }        | 11/22/87       |                |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/10/87       | 24700.00                               | 09/17/87       |                |
|                     |       |                                   |                               | 11/22/87       | 25400.00                               | 11/22/87       |                |
| RU-106              | PCI/L | 172.50                            | 30.00                         | 09/10/87       |  | 09/17/87       |                |
|                     |       |                                   |                               | 11/22/87       |  | 11/22/87       |                |
| SR 90               | PCI/L | 5.00                              | 0.00                          | 09/10/87       | 2.07                                   | 09/17/87       | 2.49           |
|                     |       |                                   |                               | 11/22/87       | { 0.95 }<br>1.04<br>{ 0.80 }           |                | { 1.09 }<br>NR |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/10/87       | 39400.00 *                             | 09/17/87       |                |
|                     |       |                                   |                               | 11/22/87       | { 764.00 }<br>49600.00 *<br>{ 740.00 } | 11/22/87       |                |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.366

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 1-N-19     |    | SAMPLE<br>DATE | 1-N-20     |          | SAMPLE<br>DATE | 1-N-21     |          |            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----|----------------|------------|----------|----------------|------------|----------|------------|
|                     |       |                                   |                               |                |            |    |                |            |          |                |            |          |            |
| CO-60               | PCI/L | 22.50                             | 100.00                        | 09/11/87       |            |    | 09/11/87       |            |          | 09/17/87       | 5.00       |          |            |
|                     |       |                                   |                               | 11/22/87       |            |    | 11/22/87       |            |          | 09/17/87       | { 4.54 }   | 5.66     |            |
|                     |       |                                   |                               |                | NR         |    |                | NR         | 11/22/87 | { 5.06 }       | 5.06       |          |            |
|                     |       |                                   |                               |                | NR         |    |                | NR         | 11/22/87 | { 4.52 }       | 7.90       | { 5.97 } |            |
| CS-137              | PCI/L | 20.00                             | 200.00                        | 09/11/87       |            |    | 09/11/87       |            |          | 09/17/87       |            |          |            |
|                     |       |                                   |                               | 11/22/87       |            |    | 11/22/87       |            |          | 09/17/87       |            |          |            |
|                     |       |                                   |                               |                | { 3.42 }   |    |                | NR         | 11/22/87 | { 3.06 }       | 3.18       |          |            |
|                     |       |                                   |                               |                | NR         |    |                | NR         | 11/22/87 | { 2.84 }       |            |          |            |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/11/87       | 13100.00   |    | 09/11/87       | 12400.00   |          | 09/17/87       | 16700.00   |          |            |
|                     |       |                                   |                               | 11/22/87       | 11100.00   |    | 11/22/87       | 10400.00   |          | 09/17/87       | 15700.00   |          |            |
|                     |       |                                   |                               |                | NR         |    |                | NR         | 11/22/87 | 19000.00       |            |          |            |
|                     |       |                                   |                               |                | NR         |    |                | NR         | 11/22/87 | 19100.00       |            |          |            |
| SR 90               | PCI/L | 5.00                              | 8.00                          | 09/11/87       | 86.50 *    |    | 09/11/87       | 14.10 *    |          | 09/17/87       | 8.40 *     |          |            |
|                     |       |                                   |                               | 11/22/87       | { 4.88 }   |    | 11/22/87       | { 2.06 }   |          | 09/17/87       | { 1.89 }   | 5.14     |            |
|                     |       |                                   |                               |                | { 88.60 }  |    |                | { 12.20 }  |          | 11/22/87       | { 1.36 }   | 5.91     |            |
|                     |       |                                   |                               |                | { 4.99 }   |    |                | NR         | 11/22/87 | { 1.43 }       | 8.01       | { 1.42 } |            |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/11/87       | 5700.00    |    | 09/11/87       | 3150.00    |          | 09/17/87       | 2300.00    |          |            |
|                     |       |                                   |                               | 11/22/87       | { 346.00 } |    | 11/22/87       | { 291.00 } |          | 09/17/87       | { 208.00 } | 2230.00  |            |
|                     |       |                                   |                               |                | 8130.00    |    |                | 3450.00    |          | 11/22/87       | { 265.00 } | 1700.00  |            |
|                     |       |                                   |                               |                | { 399.00 } |    |                | { 301.00 } |          | 11/22/87       | { 211.00 } | 1750.00  | { 210.00 } |
|                     |       |                                   |                               | NR             |            | NR |                |            |          |                |            |          |            |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |             | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                  |       |                             |                         | 1-N-22      | 1-N-23      | 1-N-23      | 1-N-24      |             |            |
| CD-80            | PCI/L | 22.50                       | 100.00                  | 09/17/87    | 5.36        | 09/17/87    |             | 09/17/87    |            |
|                  |       |                             |                         | 11/22/87    | { 4.79 }    | 09/17/87    |             | 11/22/87    | { 7.29 }   |
|                  |       |                             |                         |             | NR          | 11/22/87    | { 5.98 }    |             | NR         |
|                  |       |                             |                         |             | NR          | 11/22/87    | { 7.48 }    |             | NR         |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/17/87    |             | 09/17/87    |             | 09/17/87    | { 7.03 }   |
|                  |       |                             |                         | 11/22/87    |             | 09/17/87    |             | 11/22/87    | { 4.24 }   |
|                  |       |                             |                         |             | NR          | 11/22/87    |             |             | NR         |
|                  |       |                             |                         |             | NR          | 11/22/87    |             |             | NR         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/17/87    |             | 09/17/87    | 6790.00     | 09/17/87    | 5480.00    |
|                  |       |                             |                         | 11/22/87    |             | 09/17/87    | 8810.00     | 11/22/87    | 8980.00    |
|                  |       |                             |                         |             | NR          | 11/22/87    | 6950.00     |             | NR         |
|                  |       |                             |                         |             | NR          | 11/22/87    | 8810.00     |             | NR         |
| SR 90            | PCI/L | 5.00                        | 0.00                    | 09/17/87    | 1.47        | 09/17/87    |             | 09/17/87    | 0.38       |
|                  |       |                             |                         | 11/22/87    | { 0.89 }    | 09/17/87    |             | 11/22/87    | { 1.46 }   |
|                  |       |                             |                         |             | NR          | 11/22/87    |             |             | NR         |
|                  |       |                             |                         |             | NR          | 11/22/87    |             |             | NR         |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/17/87    | 804.00      | 09/17/87    | 1260.00     | 09/17/87    | 434.00     |
|                  |       |                             |                         | 11/22/87    | { 216.00 }  | 09/17/87    | { 237.00 }  | 11/22/87    | { 212.00 } |
|                  |       |                             |                         |             | 772.00      | 11/22/87    | { 1450.00 } |             |            |
|                  |       |                             |                         |             | { 184.00 }  | 11/22/87    | { 243.00 }  |             | NR         |
|                  |       |                             | NR                      | 11/22/87    | { 8200.00 } |             | NR          |             |            |
|                  |       |                             |                         | 11/22/87    | { 336.00 }  |             |             |             |            |
|                  |       |                             |                         | 11/22/87    | 7910.00     |             | NR          |             |            |
|                  |       |                             |                         |             | { 330.00 }  |             |             |             |            |

C.367

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |                 | SAMPLE DATE |                 | SAMPLE DATE |                      |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|-------------|-----------------|-------------|----------------------|
|                  |       |                             |                         | 1-N-25      |                 | 1-N-30      |                 | 1-N-33      |                      |
| C 14             | PCI/L |                             |                         |             | NR              |             | NR              | 09/10/87    | 49.00 0<br>{ 2.78}   |
| CO-00            | PCI/L | 22.50                       | 100.00                  | 09/17/87    |                 | 09/10/87    | 187.00 *        | 09/10/87    | 221.00 *             |
|                  |       |                             |                         | 11/22/87    |                 | 11/01/87    | { 33.00}        | 09/10/87    | { 34.00}             |
|                  |       |                             |                         |             |                 |             | { 275.00 *      | 09/10/87    | { 217.00 *           |
|                  |       |                             |                         |             |                 |             | { 37.20}        | 11/01/87    | { 32.10}             |
|                  |       |                             |                         | NR          |                 | NR          | 11/01/87        | 498.00 *    |                      |
|                  |       |                             |                         | NR          |                 | NR          | 11/01/87        | { 46.00}    |                      |
|                  |       |                             |                         |             |                 |             |                 | 542.00 *    |                      |
|                  |       |                             |                         |             |                 |             |                 | { 48.10}    |                      |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/17/87    | 4930.00         | 09/10/87    | 24400.00        | 09/10/87    | 33500.00             |
|                  |       |                             |                         | 11/22/87    | 7830.00         | 11/01/87    | 35700.00        | 09/10/87    | 33700.00             |
|                  |       |                             |                         |             | NR              |             | NR              | 11/01/87    | 54300.00 *           |
|                  |       |                             |                         |             | NR              |             | NR              | 11/01/87    | 53600.00 *           |
| I-129            | PCI/L |                             | 500.00                  |             | NR              |             | NR              | 09/10/87    | 0.02 0<br>{ 0.00}    |
| NI-03            | PCI/L | 10.00                       | 60.00                   |             | NR              |             | NR              | 09/10/87    | 3.00<br>{ 1.00}      |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 09/17/87    | 65.50 *         | 09/10/87    |                 | 09/10/87    | 108.00 *             |
|                  |       |                             |                         | 11/22/87    | { 61.50}        | 11/01/87    | 117.00 *        | 09/10/87    | { 86.00}             |
|                  |       |                             |                         |             |                 |             | { 108.00}       | 09/10/87    | { 135.00 *           |
|                  |       |                             |                         |             |                 |             | NR              | 11/01/87    | { 89.30}             |
|                  |       |                             |                         | NR          |                 | NR          | 11/01/87        | 111.00 *    |                      |
|                  |       |                             |                         |             |                 |             | 11/01/87        | { 83.30}    |                      |
| SB 125           | PCI/L |                             |                         |             | NR              |             | NR              | 09/10/87    | 174.00 0<br>{ 41.00} |
|                  |       |                             |                         |             | NR              |             | NR              | 11/01/87    | 98.00 0<br>{ 37.00}  |
|                  |       |                             |                         |             | NR              |             | NR              | 11/01/87    | 105.00 0<br>{ 32.20} |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 09/17/87    | 1.21<br>{ 1.06} | 09/10/87    | 4.83<br>{ 1.31} | 09/10/87    | 454.00 *<br>{ 35.00} |

C.368

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-25    | SAMPLE DATE | 1-N-30      | SAMPLE DATE | 1-N-33      |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|-------------|-------------|-------------|
| SR 98            | PCI/L | 5.00                        | 8.00                    | 11/22/87    |           | 11/01/87    | 4.65        | 09/10/87    | 443.00 *    |
|                  |       |                             |                         |             |           |             | { 1.13}     |             | { 34.70}    |
|                  |       |                             |                         |             | NR        |             | NR          | 11/01/87    | 644.00 *    |
|                  |       |                             |                         |             | NR        |             | NR          | 11/01/87    | { 89.10}    |
|                  |       |                             |                         |             |           |             |             |             | 635.00 *    |
|                  |       |                             |                         |             |           |             |             |             | { 90.20}    |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR        |             | NR          | 09/10/87    | 4.14        |
|                  |       |                             |                         |             |           |             |             |             | { 1.05}     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/17/87    |           | 09/10/87    | 110000.00 * | 09/10/87    | 129000.00 * |
|                  |       |                             |                         |             |           | { 1200.00}  |             | { 1390.00}  |             |
|                  |       |                             |                         | 11/22/87    | 284.00    | 11/01/87    | 152000.00 * | 09/10/87    | 126000.00 * |
|                  |       |                             |                         |             | { 170.00} |             | { 1280.00}  |             | { 1350.00}  |
|                  |       |                             |                         | NR          |           | NR          | 11/01/87    | 218000.00 * |             |
|                  |       |                             |                         |             |           |             |             |             | { 1700.00}  |
|                  |       |                             |                         |             | NR        |             | NR          | 11/01/87    | 217000.00 * |
|                  |       |                             |                         |             |           |             |             |             | { 1770.00}  |

C.369

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-37                           | SAMPLE DATE          | 1-N-45  | SAMPLE DATE          | 1-N-50  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------------------|----------------------|---|----------------------|---|
| CO-60            | PCI/L | 22.50                       | 100.00                  | 11/01/87    | 389.00 *<br>{ 45.40 }<br>NR      | 07/23/87<br>11/22/87 | 279.00 *<br>{ 37.40 }<br>211.00 *<br>{ 29.80 }          |                      | NR<br>NR  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 11/01/87    | 34400.00<br>NR                   | 07/23/87<br>11/22/87 | 38800.00<br>26600.00                                    | 07/23/87<br>11/01/87 | 33000.00<br>40200.00                                    |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 11/01/87    | NR                               | 07/23/87<br>11/22/87 | 125.00 *<br>{ 82.40 }                                   |                      | NR<br>NR  |
| SB 125           | PCI/L |                             |                         | 11/01/87    | 155.00 0<br>{ 39.30 }            | 11/22/87             | 143.00 0<br>{ 32.70 }                                   |                      | NR  |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 11/01/87    | 38.30 *<br>{ 4.38 }<br>NR        | 07/23/87<br>11/22/87 | 258.00 *<br>{ 25.80 }<br>3160.00 *<br>{ 91.80 }         | 07/23/87<br>11/01/87 |   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 11/01/87    | 215000.00 *<br>{ 1770.00 }<br>NR | 07/23/87<br>11/22/87 | 119000.00 *<br>{ 1290.00 }<br>79300.00 *<br>{ 1070.00 } | 07/23/87<br>11/01/87 | 95500.00 *<br>{ 1020.00 }<br>121000.00 *<br>{ 1320.00 } |

C.370

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 1-N-51      | SAMPLE DATE | 2-E13-8   | SAMPLE DATE | 2-E13-19 |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-----------|-------------|----------|
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR          | 08/03/87    | 8.91      | 08/03/87    | 5.88     |
|                  |       |                             |                         |             |             |             | { 2.11 }  | { 1.96 }    |          |
|                  |       |                             |                         |             | NR          | 10/20/87    | 7.45      | 10/20/87    | 3.85     |
|                  |       |                             |                         |             |             |             | { 2.17 }  | { 1.70 }    |          |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR          | 08/03/87    | 3.44      | 08/03/87    | 4.13     |
|                  |       |                             |                         |             |             |             | { 3.08 }  | { 3.37 }    |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87    | 26400.00    |             | NR        |             | NR       |
|                  |       |                             |                         | 11/01/87    | 28900.00    |             | NR        |             | NR       |
| RU-106           | PCI/L | 172.50                      | 30.00                   |             | NR          | 08/03/87    | 47.10 *   | 08/03/87    |          |
|                  |       |                             |                         |             |             |             | { 33.30 } |             |          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    | 71200.00 *  |             |           |             |          |
|                  |       |                             |                         |             | { 880.00 }  |             |           |             |          |
|                  |       |                             |                         | 11/01/87    | 79200.00 *  |             | NR        |             | NR       |
|                  |       |                             |                         |             | { 1070.00 } |             |           |             |          |
| U                | PCI/L | 0.50                        | 800.00                  |             | NR          | 08/03/87    | 1.96      | 08/03/87    | 2.31     |

C.371

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E16-2  |  | SAMPLE DATE | 2-E17-2   |          | SAMPLE DATE | 2-E17-8  |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|--|-------------|-----------|----------|-------------|----------|
|                  |          |                             |                         |             |          |  |             |           |          |             |          |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/10/87    | 1.53     |  | 07/13/87    | 6.97      |          |             | NR       |
|                  |          |                             |                         | 08/10/87    | { 0.56 } |  | 08/12/87    | { 1.14 }  |          |             | NR       |
|                  |          |                             |                         | 09/13/87    | { 0.47 } |  | 09/15/87    | { 1.07 }  |          |             | NR       |
|                  |          |                             |                         | 10/09/87    | { 0.48 } |  | 10/06/87    | { 1.18 }  |          |             | NR       |
|                  |          |                             |                         | 11/09/87    | { 0.52 } |  | 11/10/87    | { 0.93 }  |          |             | NR       |
|                  |          |                             |                         | 12/07/87    | { 0.53 } |  | 12/07/87    | { 1.11 }  |          |             | NR       |
|                  |          |                             |                         |             |          |  |             |           |          |             |          |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/10/87    | 11.40    |  | 07/13/87    | 179.00 +  |          | 07/10/87    | 21.90    |
|                  |          |                             |                         | 08/10/87    | { 2.48 } |  | 08/12/87    | { 13.70 } |          | 08/12/87    | { 3.70 } |
|                  |          |                             |                         | 09/13/87    | { 2.34 } |  | 09/15/87    | { 11.50 } |          | 09/15/87    | { 3.57 } |
|                  |          |                             |                         | 10/09/87    | { 2.59 } |  | 10/06/87    | { 9.58 }  |          | 10/06/87    | { 3.27 } |
|                  |          |                             |                         | 11/09/87    | { 2.60 } |  | 11/10/87    | { 12.60 } |          | 11/05/87    | { 3.91 } |
|                  |          |                             |                         | 12/07/87    | { 2.27 } |  | 12/07/87    | { 13.10 } |          | 12/02/87    | { 3.51 } |
|                  |          |                             |                         |             | { 2.53 } |  |             | { 13.20 } |          |             | { 4.13 } |
| C 14             | PCI/L    |                             |                         |             | NR       |  | NR          |           | 09/02/87 | 32.80 0     |          |
|                  |          |                             |                         |             |          |  |             |           |          | { 2.53 }    |          |
| CO-60            | PCI/L    | 22.50                       | 100.00                  | 07/10/87    |          |  | 07/13/87    | 39.60     |          | 07/10/87    |          |
|                  |          |                             |                         | 08/10/87    |          |  | 10/06/87    | { 13.00 } |          | 10/06/87    |          |
|                  |          |                             |                         | 09/13/87    |          |  |             | { 17.50 } |          |             |          |
|                  |          |                             |                         | 10/09/87    |          |  |             | { 14.20 } |          |             |          |
|                  |          |                             |                         | 11/09/87    | 8.51     |  |             | NR        |          |             |          |
| 12/07/87         | { 6.43 } |                             |                         | NR          |          |  |             | NR        |          |             |          |

C.372

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E16-2     |              | 2-E17-2     |             | 2-E17-8      |              |
|------------------|------------|-----------------------------|-------------------------|-------------|--------------|-------------|-------------|--------------|--------------|
|                  |            |                             |                         | SAMPLE DATE | VALUE        | SAMPLE DATE | VALUE       | SAMPLE DATE  | VALUE        |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 08/18/87    | 8450.00      | 08/12/87    | 39300.00 *  | 08/12/87     | 6900000.00 * |
|                  |            |                             |                         |             | { 345.00 }   |             | { 1910.00 } |              | { 22000.00 } |
|                  |            |                             |                         | 09/13/87    | 2880.00      | 09/15/87    | 83300.00 *  | 09/15/87     | 7190000.00 * |
|                  |            |                             |                         |             | { 284.00 }   |             | { 980.00 }  |              | { 22600.00 } |
|                  |            |                             |                         | 10/09/87    | 2020.00      | 10/06/87    | 43300.00 *  | 10/06/87     | 6730000.00 * |
|                  |            |                             |                         |             | { 285.00 }   |             | { 812.00 }  |              | { 21800.00 } |
|                  |            |                             |                         | 11/09/87    | 1810.00      | 11/10/87    | 47200.00 *  | 11/05/87     | 4520000.00 * |
|                  | { 251.00 } |                             | { 730.00 }              |             | { 15700.00 } |             |             |              |              |
|                  |            |                             | 12/07/87                | 2240.00     | 12/07/87     | 62300.00 *  | 12/02/87    | 8170000.00 * |              |
|                  |            |                             |                         | { 221.00 }  |              | { 960.00 }  |             | { 9300.00 }  |              |
| U-CHEM           | UG/L       | 0.73                        |                         |             | NR           | 07/13/87    | 7.00        |              | NR           |
|                  |            |                             |                         |             | NR           | 10/06/87    | 7.00        |              | NR           |

C.374

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E17-12 | SAMPLE DATE | 2-E17-13 | SAMPLE DATE | 2-E19-1 |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|---------|
|                  |          |                             |                         |             |          |             |          |             |         |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/10/87    | 4.15     | 07/10/87    | 3.72     |             | NR      |
|                  |          |                             |                         |             | { 0.89 } |             | { 0.84 } |             |         |
|                  |          |                             |                         | 08/12/87    | 4.81     | 08/12/87    | 4.20     |             | NR      |
|                  |          |                             |                         |             | { 0.94 } |             | { 0.90 } |             |         |
|                  |          |                             |                         | 09/09/87    | 4.30     | 09/09/87    | 4.39     |             | NR      |
|                  |          |                             |                         |             | { 0.89 } |             | { 0.91 } |             |         |
|                  |          |                             |                         | 10/06/87    | 3.00     | 10/06/87    | 3.15     |             | NR      |
|                  | { 0.75 } |                             | { 0.75 }                |             |          |             |          |             |         |
|                  |          |                             |                         | 11/05/87    | 3.77     | 11/05/87    | 3.88     |             | NR      |
|                  |          |                             |                         |             | { 0.87 } |             | { 0.80 } |             |         |
|                  |          |                             |                         | 12/02/87    | 4.80     | 12/02/87    | 4.98     |             | NR      |
|                  |          |                             |                         |             | { 0.94 } |             | { 0.90 } |             |         |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/10/87    | 19.90    | 07/10/87    | 38.90    |             | NR      |
|                  |          |                             |                         |             | { 3.20 } |             | { 4.39 } |             |         |
|                  |          |                             |                         | 08/12/87    | 42.50    | 08/12/87    | 35.20    |             | NR      |
|                  |          |                             |                         |             | { 4.57 } |             | { 4.15 } |             |         |
|                  |          |                             |                         | 09/09/87    | 45.80    | 09/09/87    | 36.40    |             | NR      |
|                  |          |                             |                         |             | { 4.58 } |             | { 4.01 } |             |         |
|                  |          |                             |                         | 10/06/87    | 34.00    | 10/06/87    | 22.30    |             | NR      |
|                  | { 3.94 } |                             | { 3.23 }                |             |          |             |          |             |         |
|                  |          |                             |                         | 11/05/87    | 30.40    | 11/05/87    | 35.00    |             | NR      |
|                  |          |                             |                         |             | { 3.74 } |             | { 3.95 } |             |         |
|                  |          |                             |                         | 12/02/87    | 29.90    | 12/02/87    | 37.40    |             | NR      |
|                  |          |                             |                         |             | { 3.66 } |             | { 4.12 } |             |         |
| CO-60            | PCI/L    | 22.50                       | 100.00                  | 07/10/87    |          | 07/10/87    | 5.80     | 08/10/87    |         |
|                  |          |                             |                         |             |          |             | { 5.00 } |             |         |
|                  |          |                             |                         | 08/12/87    |          | 08/12/87    |          |             | NR      |
|                  |          |                             |                         | 09/09/87    |          | 09/09/87    |          |             | NR      |
|                  |          |                             |                         | 10/06/87    |          | 10/06/87    | 6.09     |             | NR      |
|                  |          |                             |                         |             |          |             | { 5.44 } |             |         |
|                  |          |                             |                         | 11/05/87    |          | 11/05/87    |          |             | NR      |
|                  |          |                             |                         | 12/02/87    | 7.00     | 12/02/87    |          |             | NR      |
|                  |          |                             |                         |             | { 5.35 } |             |          |             |         |
| CS-137           | PCI/L    | 20.00                       | 200.00                  | 07/10/87    |          | 07/10/87    |          | 08/10/87    |         |
|                  |          |                             |                         | 08/12/87    |          | 08/12/87    |          |             | NR      |

C.375

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

C.376

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E17-12     | SAMPLE DATE | 2-E17-13     | SAMPLE DATE | 2-E19-1 |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------|-------------|--------------|-------------|---------|
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/09/87    | 7.10         | 09/09/87    |              |             | NR      |
|                  |       |                             |                         | 10/06/87    | { 8.51 }     | 10/06/87    |              |             | NR      |
|                  |       |                             |                         | 11/05/87    | { 4.13 }     | 11/05/87    | 8.13         |             | NR      |
|                  |       |                             |                         | 12/02/87    |              | 12/02/87    | { 6.40 }     |             | NR      |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/10/87    | 96500.00 *   | 07/10/87    | 85200.00 *   |             | NR      |
|                  |       |                             |                         | 08/12/87    | 82800.00 *   | 08/12/87    | 64500.00 *   |             | NR      |
|                  |       |                             |                         | 09/09/87    | 87100.00 *   | 09/09/87    | 46700.00 *   |             | NR      |
|                  |       |                             |                         | 10/06/87    | 53300.00 *   | 10/06/87    | 33500.00     |             | NR      |
|                  |       |                             |                         | 11/05/87    | 41900.00     | 11/05/87    | 39400.00     |             | NR      |
|                  |       |                             |                         | 12/02/87    | 35000.00     | 12/02/87    | 43900.00     |             | NR      |
| I-129            | PCI/L |                             | 500.00                  | 12/02/87    | 7.29 0       | 12/02/87    | 10.10 0      |             | NR      |
|                  |       |                             |                         |             | { 2.02 }     |             | { 1.95 }     |             |         |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/10/87    |              | 07/10/87    | 59.16 *      | 08/10/87    |         |
|                  |       |                             |                         | 08/12/87    |              | 08/12/87    | { 37.40 }    |             | NR      |
|                  |       |                             |                         | 09/09/87    |              | 09/09/87    |              |             | NR      |
|                  |       |                             |                         | 10/06/87    | 35.20 *      | 10/06/87    |              |             | NR      |
|                  |       |                             |                         | 11/05/87    | { 20.70 }    | 11/05/87    |              |             | NR      |
|                  |       |                             |                         | 12/02/87    | { 82.80 *    | 12/02/87    |              |             | NR      |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 07/10/87    |              | 07/10/87    |              |             | NR      |
|                  |       |                             |                         | 08/12/87    |              | 08/12/87    | 0.71         |             | NR      |
|                  |       |                             |                         | 09/09/87    |              | 09/09/87    | { 0.62 }     |             | NR      |
|                  |       |                             |                         | 10/06/87    |              | 10/06/87    |              |             | NR      |
|                  |       |                             |                         | 11/05/87    |              | 11/05/87    |              |             | NR      |
|                  |       |                             |                         | 12/02/87    |              | 12/02/87    |              |             | NR      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/10/87    | 2770000.00 * | 07/10/87    | 2730000.00 * | 08/10/87    |         |
|                  |       |                             |                         | 08/12/87    | {14000.00}   | 08/12/87    | {13800.00}   |             | NR      |
|                  |       |                             |                         |             | 2440000.00 * |             | 2150000.00 * |             |         |
|                  |       |                             |                         |             | {13200.00}   |             | {12200.00}   |             |         |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-E17-12       |              | 2-E17-13       |              | 2-E19-1        |    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--------------|----------------|--------------|----------------|----|
|                     |       |                                   |                               | SAMPLE<br>DATE |              | SAMPLE<br>DATE |              | SAMPLE<br>DATE |    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/09/87       | 2270000.00 * | 09/09/87       | 1710000.00 * |                | NR |
|                     |       |                                   |                               |                | {12700.00}   |                | { 4890.00}   |                |    |
|                     |       |                                   |                               | 10/06/87       | 1830000.00 * | 10/06/87       | 1140000.00 * |                | NR |
|                     |       |                                   |                               |                | { 5090.00}   |                | { 3990.00}   |                |    |
|                     |       |                                   |                               | 11/05/87       | 1440000.00 * | 11/05/87       | 1500000.00 * |                | NR |
|                     |       |                                   |                               |                | { 4440.00}   |                | { 4800.00}   |                |    |
|                     |       |                                   |                               | 12/02/87       | 1170000.00 * | 12/02/87       | 1030000.00 * |                | NR |
|                     |       |                                   |                               |                | { 4080.00}   |                | { 4700.00}   |                |    |
| U-CHEM              | UG/L  | 0.73                              |                               | 07/10/87       | 4.85         | 07/10/87       | 6.22         |                | NR |
|                     |       |                                   |                               | 08/12/87       | 4.27         | 08/12/87       | 4.55         |                | NR |
|                     |       |                                   |                               | 09/09/87       | 5.80         | 09/09/87       | 4.80         |                | NR |
|                     |       |                                   |                               | 10/06/87       | 4.37         | 10/06/87       | 4.70         |                | NR |
|                     |       |                                   |                               | 11/05/87       | 4.99         | 11/05/87       | 5.09         |                | NR |
|                     |       |                                   |                               | 12/02/87       | 4.37         | 12/02/87       | 4.50         |                | NR |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.377

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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-E24-7        |       | 2-E24-11       |              | 2-E24-13       |            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|-------|----------------|--------------|----------------|------------|
|                     |       |                                   |                               |                | SAMPLE<br>DATE | VALUE | SAMPLE<br>DATE | VALUE        | SAMPLE<br>DATE | VALUE      |
| BETA                | PCI/L | 8.00                              | 50.00                         |                | NR             |       | 07/13/87       | 24.40        | 09/02/87       | 9.44       |
|                     |       |                                   |                               |                |                |       | { 3.80 }       |              | { 2.21 }       |            |
|                     |       |                                   |                               |                | NR             |       | 08/12/87       | 14.90        | 10/28/87       | 8.35       |
|                     |       |                                   |                               |                |                |       | { 3.06 }       |              | { 2.10 }       |            |
|                     |       |                                   |                               |                | NR             |       | 09/15/87       | 18.40        |                | NR         |
|                     |       |                                   |                               |                |                |       | { 2.98 }       |              |                |            |
|                     |       |                                   |                               |                | NR             |       | 10/06/87       | 23.30        |                | NR         |
|                     |       | { 3.68 }                          |                               |                |                |       |                |              |                |            |
|                     |       | NR                                |                               | 11/10/87       | 39.50          |       | NR             |              |                |            |
|                     |       | { 4.54 }                          |                               |                |                |       |                |              |                |            |
|                     |       | NR                                |                               | 12/07/87       | 19.20          |       | NR             |              |                |            |
|                     |       | { 3.37 }                          |                               |                |                |       |                |              |                |            |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/02/87       | 13100.00       |       | 07/13/87       | 228000.00 *  | 09/02/87       | 2040.00    |
|                     |       |                                   |                               |                | NR             |       | 10/06/87       | 327000.00 *  | 10/28/87       | 2750.00    |
| SR 90               | PCI/L | 5.00                              | 8.00                          |                | NR             |       | 07/13/87       | 0.90         | 09/02/87       |            |
|                     |       |                                   |                               |                |                |       | { 0.91 }       |              |                |            |
|                     |       |                                   |                               |                | NR             |       | 10/06/87       | 1.10         |                | NR         |
|                     |       | { 0.80 }                          |                               |                |                |       |                |              |                |            |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/02/87       | 67600.00 *     |       | 07/13/87       | 627000.00 *  | 09/02/87       | 8430.00    |
|                     |       |                                   |                               |                | { 980.00 }     |       |                | { 20000.00 } |                | { 395.00 } |
|                     |       |                                   |                               |                | NR             |       | 10/06/87       | 911000.00 *  |                | NR         |
|                     |       | { 25100.00 }                      |                               |                |                |       |                |              |                |            |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E23-1      |          | 2-E24-1      |              | 2-E24-4     |          |
|------------------|-------|-----------------------------|-------------------------|-------------|--------------|----------|--------------|--------------|-------------|----------|
|                  |       |                             |                         |             | SAMPLE DATE  | VALUE    | SAMPLE DATE  | VALUE        | SAMPLE DATE | VALUE    |
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR           |          | 07/13/87     | 46.30        | 07/13/87    | 3.18     |
|                  |       |                             |                         |             |              |          | { 5.30 }     |              | { 1.43 }    |          |
|                  |       |                             |                         |             | NR           |          | 08/20/87     | 58.00 *      | 08/12/87    | 4.78     |
|                  |       |                             |                         |             |              |          | { 5.76 }     |              | { 1.89 }    |          |
|                  |       |                             |                         |             | NR           |          | 09/15/87     | 37.90        | 09/15/87    | 3.73     |
|                  |       |                             |                         |             |              |          | { 4.39 }     |              | { 1.75 }    |          |
|                  |       |                             |                         |             | NR           |          | 10/13/87     | 31.50        | 10/08/87    | 5.55     |
|                  |       | { 4.05 }                    |                         | { 1.83 }    |              |          |              |              |             |          |
|                  |       | NR                          |                         | 11/10/87    | 37.30        | 11/10/87 | 4.00         |              |             |          |
|                  |       | { 4.47 }                    |                         | { 1.84 }    |              |          |              |              |             |          |
|                  |       | NR                          |                         | 12/07/87    | 44.00        | 12/02/87 | 5.57         |              |             |          |
|                  |       | { 4.93 }                    |                         | { 1.78 }    |              |          |              |              |             |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/05/87    | 7140.00      | 07/13/87 | 426000.00 *  | 07/13/87     | 4110.00     |          |
|                  |       |                             |                         |             | NR           |          | 08/20/87     | 425000.00 *  | 08/12/87    | 3360.00  |
|                  |       |                             |                         |             | NR           |          | 09/15/87     | 281000.00 *  | 09/15/87    | 2960.00  |
|                  |       |                             |                         |             | NR           |          | 10/13/87     | 227000.00 *  | 10/08/87    | 2780.00  |
|                  |       |                             |                         |             | NR           |          | 11/10/87     | 241000.00 *  | 11/10/87    | 3020.00  |
|                  |       |                             |                         |             | NR           |          | 12/07/87     | 273000.00 *  | 12/02/87    |          |
|                  |       |                             |                         |             |              |          |              |              |             |          |
| I-129            | PCI/L |                             | 500.00                  |             | NR           | 07/13/87 | 44.60 0      |              | NR          |          |
|                  |       |                             |                         |             |              | { 5.16 } |              |              |             |          |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR           | 07/13/87 | 16.30 *      | 07/13/87     |             |          |
|                  |       |                             |                         |             |              | { 2.27 } |              |              |             |          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/05/87    | 11900.00     | 07/13/87 | 8630000.00 * | 07/13/87     | 13600.00    |          |
|                  |       |                             |                         |             | { 452.00 }   |          | { 24700.00 } |              | { 1410.00 } |          |
|                  |       |                             |                         |             | NR           |          | 08/20/87     | 8940000.00 * | 08/12/87    | 9910.00  |
|                  |       |                             |                         |             |              |          | { 25300.00 } |              | { 1280.00 } |          |
|                  |       |                             |                         |             | NR           |          | 09/15/87     | 6940000.00 * | 09/15/87    | 10500.00 |
|                  |       |                             |                         |             |              |          | { 22300.00 } |              | { 433.00 }  |          |
|                  |       |                             |                         |             | NR           |          | 10/13/87     | 5890000.00 * | 10/08/87    | 11600.00 |
|                  |       | { 9150.00 }                 |                         | { 452.00 }  |              |          |              |              |             |          |
|                  |       | NR                          |                         | 11/10/87    | 6040000.00 * | 11/10/87 | 10900.00     |              |             |          |
|                  |       | { 18100.00 }                |                         | { 444.00 }  |              |          |              |              |             |          |
|                  |       | NR                          |                         | 12/07/87    | 7250000.00 * | 12/02/87 | 10700.00     |              |             |          |
|                  |       | { 10100.00 }                |                         | { 437.00 }  |              |          |              |              |             |          |

C.379

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-2   | SAMPLE DATE | 2-E25-3   | SAMPLE DATE | 2-E25-8    |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|-----------|-------------|------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR        |             | NR        | 07/10/87    |            |
|                  |       |                             |                         |             | NR        |             | NR        | 08/18/87    | 0.73       |
|                  |       |                             |                         |             |           |             |           |             | { 0.42}    |
|                  |       |                             |                         |             | NR        |             | NR        | 09/13/87    | 0.95       |
|                  |       |                             |                         |             |           |             |           |             | { 0.47}    |
|                  |       |                             |                         |             | NR        |             | NR        | 10/09/87    | 1.20       |
|                  |       |                             |                         |             |           |             |           |             | { 0.52}    |
|                  |       |                             |                         |             | NR        |             | NR        | 11/10/87    | 1.45       |
|                  |       |                             |                         |             |           |             |           |             | { 0.55}    |
|                  |       |                             |                         |             | NR        |             | NR        | 12/07/87    | 1.17       |
|                  |       |                             |                         |             |           |             |           |             | { 0.51}    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/03/87    | 4.44      | 09/03/87    | 5.24      | 07/10/87    | 4.81       |
|                  |       |                             |                         |             | { 1.66}   |             | { 1.73}   |             | { 1.72}    |
|                  |       |                             |                         |             | NR        | 10/20/87    | 4.42      | 08/18/87    | 4.03       |
|                  |       |                             |                         |             |           |             | { 1.64}   |             | { 1.84}    |
|                  |       |                             |                         |             | NR        |             | NR        | 09/13/87    | 4.54       |
|                  |       |                             |                         |             |           |             |           |             | { 1.65}    |
|                  |       |                             |                         |             | NR        |             | NR        | 10/09/87    | 5.23       |
|                  |       |                             |                         |             |           |             |           |             | { 1.77}    |
|                  |       |                             |                         |             | NR        |             | NR        | 11/10/87    | 4.93       |
|                  |       |                             |                         |             |           |             |           |             | { 1.72}    |
|                  |       |                             |                         |             | NR        |             | NR        | 12/07/87    | 4.32       |
|                  |       |                             |                         |             |           |             |           |             | { 1.67}    |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/03/87    |           | 09/03/87    | 6.40      | 07/10/87    |            |
|                  |       |                             |                         |             |           |             | { 4.05}   |             |            |
|                  |       |                             |                         |             | NR        |             | NR        | 10/09/87    |            |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/03/87    |           |             | NR        | 07/10/87    | 3290.00    |
|                  |       |                             |                         |             |           |             | NR        | 10/09/87    |            |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 09/03/87    | 27.80     | 09/03/87    |           | 07/10/87    |            |
|                  |       |                             |                         |             | { 24.90}  |             |           |             |            |
|                  |       |                             |                         |             | NR        |             | NR        | 10/09/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/03/87    | 7190.00   | 09/03/87    | 3110.00   | 07/10/87    | 4030.00    |
|                  |       |                             |                         |             | { 374.00} |             | { 280.00} |             | { 1150.00} |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|----------------|----------------|
|                     |       |                                   |                               | 2-E25-2        | 2-E25-3        | 2-E25-6        |                |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | NR             | NR             | 08/18/87       | 33900.00 *     |
|                     |       |                                   |                               | NR             | NR             | 09/13/87       | { 1820.00 }    |
|                     |       |                                   |                               | NR             | NR             | 10/09/87       | { 8500.00 }    |
|                     |       |                                   |                               | NR             | NR             | 11/10/87       | { 397.00 }     |
|                     |       |                                   |                               | NR             | NR             | 12/07/87       | { 6140.00 }    |
|                     |       |                                   |                               |                |                |                | { 359.00 }     |
|                     |       |                                   |                               |                |                |                | { 5110.00 }    |
|                     |       |                                   |                               |                |                |                | { 282.00 }     |
|                     |       |                                   |                               |                |                |                | { 4300.00 }    |
|                     |       |                                   |                               |                |                |                | { 322.00 }     |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-9 | SAMPLE DATE | 2-E25-10 | SAMPLE DATE | 2-E25-11 |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|----------|
|                  |       |                             |                         | -----       | -----   | -----       | -----    | -----       | -----    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/10/87    |         | 09/03/87    | 1.22     | 07/10/87    | 1.00     |
|                  |       |                             |                         | 08/18/87    | 0.84    | 12/01/87    | { 0.51}  | 08/18/87    | { 0.49}  |
|                  |       |                             |                         | 09/13/87    | { 0.43} |             | { 0.50}  | 09/13/87    | { 0.38}  |
|                  |       |                             |                         | 10/09/87    | { 0.38} |             | NR       | 10/09/87    | { 0.42}  |
|                  |       |                             |                         | 11/10/87    | { 0.64} |             | NR       | 11/09/87    | { 0.54}  |
|                  |       |                             |                         | 12/07/87    | { 0.40} |             | NR       | 12/07/87    | { 0.89}  |
|                  |       |                             |                         |             | { 0.59} |             | NR       |             | { 0.47}  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/10/87    | 8.19    | 09/03/87    | 6.87     | 07/10/87    | 8.77     |
|                  |       |                             |                         | 08/18/87    | { 1.90} | 12/01/87    | { 1.91}  | 08/18/87    | { 2.21}  |
|                  |       |                             |                         | 09/13/87    | 6.43    |             | { 1.73}  | 09/13/87    | { 2.31}  |
|                  |       |                             |                         | 10/09/87    | { 1.94} |             | NR       | 10/09/87    | 11.50    |
|                  |       |                             |                         | 11/10/87    | 4.15    |             | NR       | 11/09/87    | { 2.44}  |
|                  |       |                             |                         | 12/07/87    | { 1.61} |             | NR       | 12/07/87    | 10.90    |
|                  |       |                             |                         |             | 4.52    |             | NR       |             | { 2.33}  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/10/87    |         | 09/03/87    |          | 07/10/87    |          |
|                  |       |                             |                         | 10/09/87    |         | 12/01/87    |          | 08/18/87    |          |
|                  |       |                             |                         |             | NR      |             | NR       | 09/13/87    |          |
|                  |       |                             |                         |             | NR      |             | NR       | 10/09/87    | 8.54     |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/10/87    | 3.84    | 09/03/87    |          | 07/10/87    |          |
|                  |       |                             |                         | 10/09/87    | { 3.13} | 12/01/87    |          | 11/09/87    | { 6.40}  |
|                  |       |                             |                         |             |         |             |          | 12/07/87    | 5.05     |
|                  |       |                             |                         |             |         |             |          |             | { 4.51}  |

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 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.382



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-9    |  | SAMPLE DATE | 2-E25-10    |             | SAMPLE DATE | 2-E25-11 |             |             |             |
|------------------|------------|-----------------------------|-------------------------|-------------|------------|--|-------------|-------------|-------------|-------------|----------|-------------|-------------|-------------|
|                  |            |                             |                         |             |            |  |             |             |             |             |          |             |             |             |
| CS-137           | PCI/L      | 20.00                       | 200.00                  |             |            |  |             |             |             | 09/13/87    | {        | 8.99        |             |             |
|                  |            |                             |                         |             |            |  |             |             |             |             |          | 8.32        |             |             |
|                  |            |                             |                         |             |            |  |             |             |             |             |          |             |             |             |
|                  |            |                             |                         |             |            |  |             |             |             |             |          |             |             |             |
| HNITRAT          | PPB        | 2500.00                     | 45000.00                | 07/10/87    |            |  |             |             |             | 07/10/87    | {        | 40800.00 *  |             |             |
|                  |            |                             |                         | 10/09/87    |            |  |             |             |             |             |          |             | 28900.00    |             |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 37900.00    |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 33000.00    |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 37000.00    |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 39000.00    |
| RU-100           | PCI/L      | 172.50                      | 30.00                   | 07/10/87    |            |  | 09/03/87    |             |             | 07/10/87    | {        | 51.10 *     |             |             |
|                  |            |                             |                         | 10/09/87    | 32.20 *    |  | 12/01/87    |             |             |             |          |             | 38.00       |             |
|                  |            |                             |                         |             | { 26.30 }  |  |             |             |             |             |          |             |             |             |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 48.10 *     |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             | 47.30       |
|                  |            |                             |                         |             | NR         |  |             |             |             |             |          |             |             |             |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 07/10/87    | 3010.00    |  |             |             |             | 07/10/87    | {        | 417000.00 * |             |             |
|                  |            |                             |                         | 08/18/87    | { 250.00 } |  |             |             |             |             |          |             | { 5450.00 } |             |
|                  |            |                             |                         |             | 3570.00    |  |             |             |             |             |          |             |             | 395000.00 * |
|                  |            |                             |                         |             | { 250.00 } |  |             |             |             |             |          |             |             | { 5390.00 } |
|                  |            |                             |                         | 09/13/87    | 3800.00    |  |             |             |             |             |          |             |             | 453000.00 * |
|                  |            |                             |                         |             | { 300.00 } |  |             |             |             |             |          |             |             | { 2520.00 } |
|                  |            |                             |                         | 10/09/87    | 2300.00    |  |             |             |             |             |          |             |             | 400000.00 * |
|                  |            |                             |                         |             | { 273.00 } |  |             |             |             |             |          |             |             | { 2610.00 } |
| 11/10/87         | 2030.00    |                             |                         |             |            |  |             | 520000.00 * |             |             |          |             |             |             |
|                  | { 274.00 } |                             |                         |             |            |  |             | { 2720.00 } |             |             |          |             |             |             |
|                  | 3070.00    |                             |                         |             |            |  |             |             | 542000.00 * |             |          |             |             |             |
|                  | { 240.00 } |                             |                         |             |            |  |             |             | { 2700.00 } |             |          |             |             |             |
| U-CHEM           | UG/L       | 0.73                        |                         |             |            |  | 09/03/87    | 1.50        |             |             |          | NR          |             |             |

C.383

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-E25-9 | SAMPLE<br>DATE | 2-E25-10 | SAMPLE<br>DATE | 2-E25-11 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|----------|----------------|----------|
| U-CHEM              | UG/L  | 0.73                              |                               |                | NR      | 12/01/87       | 1.52     |                | NR       |

C.384

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E25-13    | SAMPLE DATE | 2-E25-17    | SAMPLE DATE | 2-E26-1   |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-----------|
|                  |       |                             |                         | -----       | -----       | -----       | -----       | -----       | -----     |
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR          | 07/10/87    | 0.97        |             | NR        |
|                  |       |                             |                         |             | NR          | 08/18/87    | { 0.45}     |             | NR        |
|                  |       |                             |                         |             | NR          | 09/13/87    | { 0.47}     |             | NR        |
|                  |       |                             |                         |             | NR          | 10/06/87    | 1.07        |             | NR        |
|                  |       |                             |                         |             | NR          | 11/09/87    | { 0.49}     |             | NR        |
|                  |       |                             |                         |             | NR          | 12/07/87    | { 0.74}     |             | NR        |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/02/87    | 7.78        | 07/10/87    | 9.42        |             | NR        |
|                  |       |                             |                         |             | { 2.45}     | 08/18/87    | { 2.28}     |             | NR        |
|                  |       |                             |                         | 10/28/87    | 9.09        | 09/13/87    | 8.17        |             | NR        |
|                  |       |                             |                         |             | { 2.82}     | NR          | { 2.11}     |             | NR        |
|                  |       |                             |                         |             | NR          | NR          | 8.89        |             | NR        |
|                  |       |                             |                         |             | NR          | 10/06/87    | { 2.12}     |             | NR        |
|                  |       |                             |                         |             | NR          | NR          | 0.42        |             | NR        |
|                  |       |                             |                         |             | NR          | 11/09/87    | { 2.08}     |             | NR        |
|                  | NR    | NR                          | 6.34                    |             | NR          |             |             |             |           |
|                  | NR    | NR                          | { 1.92}                 |             | NR          |             |             |             |           |
|                  | NR    | NR                          | 12/07/87                | 9.00        |             | NR          |             |             |           |
|                  | NR    | NR                          | { 2.29}                 |             | NR          |             |             |             |           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/02/87    | 443000.00 * | 07/10/87    | 17100.00    |             | NR        |
|                  |       |                             |                         | 10/28/87    | 327000.00 * | 08/18/87    | 11100.00    |             | NR        |
|                  |       |                             |                         |             | NR          | 09/13/87    | 7750.00     |             | NR        |
|                  |       |                             |                         |             | NR          | 10/06/87    | 13200.00    |             | NR        |
|                  |       |                             |                         |             | NR          | 11/09/87    | 13500.00    |             | NR        |
|                  |       |                             |                         |             | NR          | 12/07/87    | 15400.00    |             | NR        |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR          | 07/10/87    | 1.19        |             | NR        |
|                  |       |                             |                         |             | NR          | 10/06/87    | { 0.85}     |             | NR        |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR          | 07/10/87    | 380000.00 * | 08/05/87    | 17200.00  |
|                  |       |                             |                         |             |             |             | { 5220.00}  |             | { 520.00} |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.385

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS    | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE |
|---------------------|----------|-----------------------------------|-------------------------------|----------------|----------------|----------------|----------------|
|                     |          |                                   |                               | 2-E25-13       | 2-E25-17       | 2-E26-1        |                |
| TRITIUM             | PCI/L    | 500.00                            | 20000.00                      | NR             | 08/18/87       | 223000.00 *    | NR             |
|                     |          |                                   |                               |                |                | { 4040.00 }    |                |
|                     |          |                                   |                               | NR             | 09/13/87       | 179000.00 *    | NR             |
|                     |          |                                   |                               |                |                | { 1600.00 }    |                |
|                     |          |                                   |                               | NR             | 10/08/87       | 281000.00 *    | NR             |
|                     |          | { 2000.00 }                       |                               |                |                |                |                |
| NR                  | 11/09/87 | 274000.00 *                       | NR                            |                |                |                |                |
|                     |          | { 1950.00 }                       |                               |                |                |                |                |
| NR                  | 12/07/87 | 362000.00 *                       | NR                            |                |                |                |                |
|                     |          | { 2300.00 }                       |                               |                |                |                |                |

C.386

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-E26-2        |            | 2-E26-3        |            | 2-E26-4        |            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |            | SAMPLE<br>DATE |            | SAMPLE<br>DATE |            |
| BETA                | PCI/L | 8.00                              | 50.00                         | 09/03/87       | 4.60       |                | NR         | 09/03/87       | 4.66       |
|                     |       |                                   |                               |                | { 1.64 }   |                |            |                | { 1.68 }   |
|                     |       |                                   |                               | 12/01/87       | 0.49       |                | NR         | 12/01/87       | 0.44       |
|                     |       |                                   |                               |                | { 1.88 }   |                |            |                | { 1.93 }   |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/03/87       | 2470.00    | 09/03/87       | 3350.00    | 09/03/87       | 30800.00 * |
|                     |       |                                   |                               |                | { 271.00 } |                | { 293.00 } |                | { 744.00 } |
|                     |       |                                   |                               | 12/01/87       | 2840.00    |                | NR         | 12/01/87       | 38100.00 * |
|                     |       |                                   |                               |                | { 281.00 } |                |            |                | { 767.00 } |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-E26-8     |                              | 2-E26-8     |    | 2-E27-1     |                  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------------|-------------|----|-------------|------------------|
|                  |       |                             |                         | SAMPLE DATE |                              | SAMPLE DATE |    | SAMPLE DATE |                  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/02/87    | 0.00                         |             | NR |             | NR               |
|                  |       |                             |                         | 10/28/87    | { 0.41 }<br>0.74<br>{ 0.44 } |             | NR |             | NR               |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/02/87    | 4.05                         |             | NR |             | NR               |
|                  |       |                             |                         | 10/28/87    | { 1.52 }<br>3.11<br>{ 1.58 } |             | NR |             | NR               |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/02/87    |                              |             | NR | 09/02/87    |                  |
|                  |       |                             |                         | 10/28/87    | { 5.34 }<br>4.77             |             | NR |             | NR               |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/02/87    |                              | 09/03/87    |    | 09/02/87    | 2830.00          |
|                  |       |                             |                         | 10/28/87    |                              |             | NR |             | NR               |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/02/87    |                              |             |    | 09/02/87    | 2000.00          |
|                  |       |                             |                         | 10/28/87    | { 3640.00 }<br>252.00        |             | NR |             | { 264.00 }<br>NR |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR                           |             | NR | 09/02/87    | 0.83             |

C.388

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-E27-7 |       | SAMPLE<br>DATE | 2-E28-1 |         | SAMPLE<br>DATE | 2-E28-6 |         |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|-------|----------------|---------|---------|----------------|---------|---------|
|                     |       |                                   |                               |                |         |       |                |         |         |                |         |         |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 09/02/87       |         |       |                |         | NR      |                |         | NR      |
|                     |       |                                   |                               | 10/22/87       |         |       |                |         | NR      |                | NR      |         |
|                     |       |                                   |                               |                | {       | 1.69  |                |         |         |                |         |         |
|                     |       |                                   |                               |                |         | 0.58} |                |         |         |                |         |         |
| BETA                | PCI/L | 8.00                              | 50.00                         | 09/02/87       |         |       |                |         | NR      |                |         | NR      |
|                     |       |                                   |                               | 10/22/87       |         |       |                |         | NR      |                | NR      |         |
|                     |       |                                   |                               |                | {       | 3.80  |                |         |         |                |         |         |
|                     |       |                                   |                               |                |         | 1.58} |                |         |         |                |         |         |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                |         | NR    | 09/01/87       |         | 7.36    | 09/01/87       |         | 7.97    |
|                     |       |                                   |                               |                |         |       |                |         | {       | 6.01}          |         | {       |
| CS-137              | PCI/L | 20.00                             | 200.00                        |                |         | NR    | 09/01/87       |         |         | 09/01/87       |         | 4.83    |
|                     |       |                                   |                               |                |         |       |                |         |         |                | {       | 3.65}   |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 10/22/87       |         |       | 09/01/87       |         | 4650.00 | 09/01/87       |         | 2000.00 |
|                     |       |                                   |                               |                |         |       |                |         |         |                |         |         |
| RU-100              | PCI/L | 172.50                            | 30.00                         |                |         | NR    | 09/01/87       |         | 59.56 * | 09/01/87       |         |         |
|                     |       |                                   |                               |                |         |       |                |         | {       | 39.70}         |         |         |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      |                |         | NR    | 09/01/87       |         | 7170.00 | 09/01/87       |         | 2540.00 |
|                     |       |                                   |                               |                |         |       |                |         | {       | 375.00}        |         | {       |

C.389

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E28-7   |          | 2-E28-9     |          | 2-E28-12    |    |  |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|----------|-------------|----------|-------------|----|--|
|                  |       |                             |                         |             |           |          | SAMPLE DATE |          | SAMPLE DATE |    |  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/03/87    | 0.87      | 09/01/87 | 6.24        |          |             | NR |  |
|                  |       |                             |                         |             | { 0.46 }  |          | { 1.03 }    |          |             |    |  |
|                  |       |                             |                         | 10/22/87    | 1.60      | 10/22/87 | 10.20       |          | NR          |    |  |
|                  |       |                             |                         |             | { 0.59 }  |          | { 1.35 }    |          |             |    |  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/03/87    | 296.00 *  | 09/01/87 | 11.00       | 07/13/87 | 12.90       |    |  |
|                  |       |                             |                         |             | { 11.50 } |          | { 2.55 }    |          | { 2.77 }    |    |  |
|                  |       |                             |                         | 10/22/87    | 135.00 *  | 10/22/87 | 8.71        | 08/18/87 | 18.20       |    |  |
|                  |       |                             |                         |             | { 7.70 }  |          | { 2.29 }    |          | { 3.31 }    |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 09/13/87 | 20.40       |    |  |
|                  |       |                             |                         |             | NR        |          | NR          |          | { 3.33 }    |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 10/07/87 | 15.90       |    |  |
|                  |       |                             |                         |             | NR        |          | NR          |          | { 3.18 }    |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 11/10/87 | 17.70       |    |  |
|                  |       |                             |                         |             | NR        |          | NR          |          | { 3.26 }    |    |  |
|                  |       |                             |                         |             |           |          |             | 12/07/87 | 14.70       |    |  |
|                  |       |                             |                         |             |           |          |             |          | { 3.04 }    |    |  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/03/87    |           |          | NR          | 07/13/87 |             |    |  |
|                  |       |                             |                         | 08/03/87    | 6.00      |          | NR          | 08/18/87 |             |    |  |
|                  |       |                             |                         |             | { 4.97 }  |          |             |          |             |    |  |
|                  |       |                             |                         | 10/22/87    | 6.79      |          | NR          | 09/13/87 |             |    |  |
|                  |       |                             |                         |             | { 5.54 }  |          |             |          |             |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 10/07/87 |             |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 11/10/87 |             |    |  |
|                  | NR    |                             | NR                      | 12/07/87    |           |          |             |          |             |    |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/03/87    | 8.27      |          | NR          | 07/13/87 | 7.18        |    |  |
|                  |       |                             |                         |             | { 4.77 }  |          |             |          | { 6.50 }    |    |  |
|                  |       |                             |                         | 08/03/87    | 3.20      |          | NR          | 08/18/87 |             |    |  |
|                  |       |                             |                         |             | { 2.86 }  |          |             |          |             |    |  |
|                  |       |                             |                         | 10/22/87    |           |          | NR          | 09/13/87 |             |    |  |
|                  |       |                             |                         |             | NR        |          | NR          | 10/07/87 |             |    |  |
|                  | NR    |                             | NR                      | 11/10/87    |           |          |             |          |             |    |  |
|                  | NR    |                             | NR                      | 12/07/87    |           |          |             |          |             |    |  |
|                  |       |                             |                         |             |           |          |             |          | 5.26        |    |  |
|                  |       |                             |                         |             |           |          |             |          | { 3.98 }    |    |  |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/03/87    | 145.00 *  |          | NR          |          |             | NR |  |
|                  |       |                             |                         |             | { 8.18 }  |          |             |          |             |    |  |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.390

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E28-7    |          | 2-E28-9 |          | 2-E28-12    |    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|----------|---------|----------|-------------|----|
|                  |       |                             |                         |             |            |          |         |          |             |    |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 10/22/87    | 71.70 *    |          | NR      |          |             | NR |
|                  |       |                             |                         |             | { 4.30 }   |          |         |          |             |    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/03/87    | 4920.00    |          | NR      | 07/13/87 | 115000.00 * |    |
|                  |       |                             |                         |             | { 286.00 } |          |         |          | { 3000.00 } |    |
|                  |       |                             |                         |             | NR         |          | NR      | 08/18/87 | 95500.00 *  |    |
|                  |       |                             |                         |             | NR         |          | NR      | 09/13/87 | { 2750.00 } |    |
|                  |       |                             |                         |             | NR         |          | NR      |          | 70200.00 *  |    |
|                  |       |                             |                         |             | NR         |          | NR      | 10/07/87 | { 1020.00 } |    |
|                  |       |                             |                         |             | NR         |          | NR      |          | 140000.00 * |    |
|                  |       |                             |                         |             | NR         |          | NR      | 11/10/87 | { 1420.00 } |    |
|                  |       |                             |                         |             | NR         |          | NR      | 12/07/87 | 139000.00 * |    |
|                  |       |                             |                         |             |            |          |         |          | { 1240.00 } |    |
|                  |       |                             |                         |             |            |          |         |          | 90500.00 *  |    |
|                  |       |                             |                         |             |            |          |         |          | { 1150.00 } |    |
| U 234            | PCI/L | 0.10                        | 32.00                   | 08/03/87    | 0.87       |          | NR      |          |             | NR |
|                  |       |                             |                         |             | { 0.09 }   |          |         |          |             |    |
| U 235            | PCI/L | 0.10                        | 32.00                   | 08/03/87    | 0.02       |          | NR      |          |             | NR |
|                  |       |                             |                         |             | { 0.01 }   |          |         |          |             |    |
| U 238            | PCI/L | 0.10                        | 4.00                    | 08/03/87    | 0.09       |          | NR      |          |             | NR |
|                  |       |                             |                         |             | { 0.08 }   |          |         |          |             |    |
| U-CHEM           | UG/L  | 0.73                        |                         | 08/03/87    | 1.03       | 09/01/87 | 12.20   |          |             | NR |
|                  |       |                             |                         | 10/22/87    | 1.08       | 10/22/87 | 12.70   |          |             | NR |

C.391

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS   | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-E28-13       |           | 2-E28-18       |         | 2-E28-17       |         |
|---------------------|---------|-----------------------------------|-------------------------------|----------------|-----------|----------------|---------|----------------|---------|
|                     |         |                                   |                               | SAMPLE<br>DATE |           | SAMPLE<br>DATE |         | SAMPLE<br>DATE |         |
| ALPHA               | PCI/L   | 4.00                              | 15.00                         |                | NR        | 09/01/87       | 6.37    | 09/01/87       | 4.00    |
|                     |         |                                   |                               |                | NR        | 10/22/87       | { 1.06} | 10/22/87       | { 0.86} |
|                     |         |                                   |                               |                |           |                | { 7.14} |                | { 5.98} |
|                     |         |                                   |                               |                |           |                | { 1.14} |                | { 1.06} |
| BETA                | PCI/L   | 8.00                              | 50.00                         | 08/18/87       | 7.95      | 09/01/87       | 6.96    |                | NR      |
|                     |         |                                   |                               |                | { 2.23}   |                | { 2.13} |                |         |
|                     |         |                                   |                               | 09/13/87       | 7.52      | 10/22/87       | 7.54    |                | NR      |
|                     |         |                                   |                               |                | { 2.11}   |                | { 2.10} |                |         |
|                     |         |                                   |                               | 10/07/87       | 9.14      |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 2.37}   |                |         |                |         |
|                     |         |                                   |                               | 11/10/87       | 8.95      |                | NR      |                | NR      |
|                     | { 2.06} |                                   |                               |                |           |                |         |                |         |
|                     |         |                                   |                               | 12/03/87       | 9.51      |                | NR      |                |         |
|                     |         |                                   |                               |                | { 2.39}   |                |         |                |         |
| CS-137              | PCI/L   | 20.00                             | 200.00                        | 08/18/87       | 5.98      |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 4.52}   |                |         |                |         |
|                     |         |                                   |                               | 09/13/87       | 3.20      |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 2.86}   |                |         |                |         |
|                     |         |                                   |                               | 10/07/87       | 4.00      |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 3.26}   |                |         |                |         |
|                     |         |                                   |                               | 11/10/87       |           |                | NR      |                |         |
|                     |         |                                   |                               | 12/03/87       |           |                | NR      |                |         |
| RU-106              | PCI/L   | 172.50                            | 30.00                         | 08/18/87       |           |                | NR      |                | NR      |
|                     |         |                                   |                               | 09/13/87       |           |                | NR      |                | NR      |
|                     |         |                                   |                               | 10/07/87       |           |                | NR      |                | NR      |
|                     |         |                                   |                               | 11/10/87       | 46.50 *   |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 32.90}  |                |         |                |         |
|                     |         |                                   |                               | 12/03/87       |           |                | NR      |                |         |
| TRITIUM             | PCI/L   | 500.00                            | 20000.00                      | 08/18/87       | 6170.00   |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 361.00} |                |         |                |         |
|                     |         |                                   |                               | 09/13/87       | 5940.00   |                | NR      |                | NR      |
|                     |         |                                   |                               |                | { 350.00} |                |         |                |         |
|                     |         |                                   |                               | 10/07/87       | 8980.00   |                | NR      |                |         |
|                     |         |                                   |                               |                | { 411.00} |                |         |                |         |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-E28-13   | SAMPLE<br>DATE | 2-E28-16 | SAMPLE<br>DATE | 2-E28-17 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|----------|----------------|----------|
|                     |       |                                   |                               | -----          | -----      | -----          | -----    | -----          |          |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 11/10/87       | 7100.00    |                | NR       |                | NR       |
|                     |       |                                   |                               |                | { 382.00 } |                |          |                |          |
|                     |       |                                   |                               | 12/03/87       | 5300.00    |                | NR       |                | NR       |
|                     |       |                                   |                               |                | { 340.00 } |                |          |                |          |
| U-CHEM              | UG/L  | 0.73                              |                               |                | NR         | 09/01/87       | 11.00    | 09/01/87       | 7.78     |
|                     |       |                                   |                               |                | NR         | 10/22/87       | 9.21     | 10/22/87       | 5.92     |

C.393

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

C.394

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E28-18 |  | SAMPLE DATE | 2-E28-23   |          | SAMPLE DATE | 2-E28-24  |    |    |    |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|--|-------------|------------|----------|-------------|-----------|----|----|----|
|                  |          |                             |                         |             |          |  |             |            |          |             |           |    |    |    |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/17/87    | 69.50 *  |  | 09/01/87    | 23.30 *    | 09/01/87 |             |           |    |    |    |
|                  |          |                             |                         |             | { 3.43 } |  |             | { 2.03 }   |          |             |           |    |    |    |
|                  |          |                             |                         | 08/13/87    | 46.90 *  |  | 10/22/87    | 37.00 *    | 10/22/87 |             |           |    |    |    |
|                  |          |                             |                         |             | { 2.90 } |  |             | { 5.09 }   |          |             |           |    |    |    |
|                  |          |                             |                         | 09/13/87    | 36.00 *  |  |             | NR         |          |             |           |    | NR |    |
|                  |          |                             |                         |             | { 2.53 } |  |             |            |          |             |           |    |    | NR |
|                  |          |                             |                         | 10/07/87    | 45.40 *  |  |             |            | NR       |             |           |    |    | NR |
|                  | { 2.82 } |                             |                         |             |          |  |             |            |          |             | NR        |    |    |    |
| 11/10/87         | 39.30 *  |                             |                         |             |          |  |             |            |          |             | NR        |    |    |    |
|                  | { 2.06 } |                             |                         |             |          |  |             |            |          |             |           | NR |    |    |
| 12/03/87         | 46.70 *  |                             |                         |             |          |  |             |            |          |             | NR        |    |    |    |
|                  | { 2.00 } |                             |                         |             |          |  |             |            |          |             |           |    |    |    |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/17/87    | 23.00    |  | 09/01/87    | 11600.00 * | 09/01/87 |             | 273.00 *  |    |    |    |
|                  |          |                             |                         |             | { 3.44 } |  |             | { 70.50 }  |          |             | { 11.90 } |    |    |    |
|                  |          |                             |                         | 08/13/87    | 16.30    |  | 10/22/87    | 9140.00 *  | 10/22/87 |             | 341.00 *  |    |    |    |
|                  |          |                             |                         |             | { 3.07 } |  |             | { 302.00 } |          |             | { 13.30 } |    |    |    |
|                  |          |                             |                         | 09/13/87    | 16.70    |  |             | NR         |          |             |           | NR |    |    |
|                  |          |                             |                         |             | { 3.11 } |  |             |            |          |             |           |    | NR |    |
|                  |          |                             |                         | 10/07/87    | 15.70    |  |             |            | NR       |             |           |    | NR |    |
|                  | { 2.98 } |                             |                         |             |          |  |             |            |          | NR          |           |    |    |    |
| 11/10/87         | 14.80    |                             |                         |             |          |  |             |            |          | NR          |           |    |    |    |
|                  | { 2.04 } |                             |                         |             |          |  |             |            |          |             | NR        |    |    |    |
| 12/03/87         | 16.90    |                             |                         |             |          |  |             |            |          |             | NR        |    |    |    |
|                  | { 3.05 } |                             |                         |             |          |  |             |            |          |             |           |    |    |    |
| CO-60            | PCI/L    | 22.50                       | 100.00                  | 07/17/87    |          |  | 09/01/87    |            | 09/01/87 |             |           |    |    |    |
|                  |          |                             |                         | 08/13/87    | 7.01     |  | 10/22/87    |            | 10/22/87 |             | 12.20     |    |    |    |
|                  |          |                             |                         |             | { 6.27 } |  |             |            |          |             | { 7.70 }  |    |    |    |
|                  |          |                             |                         | 09/13/87    |          |  |             | NR         |          |             | NR        |    |    |    |
|                  |          |                             |                         | 10/07/87    |          |  |             | NR         |          |             | NR        |    |    |    |
|                  |          |                             |                         | 11/10/87    | 6.77     |  |             | NR         |          |             | NR        |    |    |    |
|                  |          |                             |                         |             | { 5.53 } |  |             |            |          |             |           | NR |    |    |
| 12/03/87         | 5.05     |                             |                         |             | NR       |  |             |            | NR       |             |           |    |    |    |
|                  | { 4.52 } |                             |                         |             |          |  |             |            |          |             |           |    |    |    |
| CS-137           | PCI/L    | 20.00                       | 200.00                  | 07/17/87    |          |  | 09/01/87    | 1500.00 *  | 09/01/87 |             |           |    |    |    |
|                  |          |                             |                         |             |          |  |             | { 73.50 }  |          |             |           |    |    |    |

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

C.395

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E28-18   | SAMPLE DATE | 2-E28-23   | SAMPLE DATE | 2-E28-24 |
|------------------|------------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|----------|
| CS-137           | PCI/L      | 20.00                       | 200.00                  | 08/13/87    |            | 10/22/87    | 1810.00 *  | 10/22/87    |          |
|                  |            |                             |                         | 09/13/87    |            |             | { 47.50 }  |             |          |
|                  |            |                             |                         | 10/07/87    | 5.51       |             | NR         |             | NR       |
|                  |            |                             |                         |             | { 3.90 }   |             | NR         |             | NR       |
|                  |            |                             |                         | 11/10/87    |            |             | NR         |             | NR       |
|                  |            |                             | 12/03/87                |             |            | NR          |            |             |          |
| HNITRAT          | PPB        | 2500.00                     | 45000.00                | 07/17/87    | 73300.00 * | 09/01/87    | 11400.00   |             | NR       |
|                  |            |                             |                         | 08/13/87    | 53500.00 * | 10/22/87    | 9810.00    |             | NR       |
|                  |            |                             |                         | 09/13/87    | 52500.00 * |             | NR         |             | NR       |
|                  |            |                             |                         | 10/07/87    | 47100.00 * |             | NR         |             | NR       |
|                  |            |                             |                         | 11/10/87    | 37800.00   |             | NR         |             | NR       |
|                  |            |                             |                         | 12/03/87    | 36100.00   |             | NR         |             | NR       |
| PU39-40          | PCI/L      | 17.00                       | 5000.00                 |             | NR         | 09/01/87    | 7.96       | 09/01/87    |          |
|                  |            |                             |                         |             |            |             | { 0.32 }   |             |          |
| SR 90            | PCI/L      | 5.00                        | 8.00                    | 07/17/87    | 0.94       | 09/01/87    | 5870.00 *  | 09/01/87    | 187.00 * |
|                  |            |                             |                         |             | { 0.84 }   |             | { 179.00 } |             | { 7.24 } |
|                  |            |                             |                         | 10/07/87    |            | 10/22/87    | 4040.00 *  | 10/22/87    | 192.00 * |
|                  |            |                             |                         |             |            |             | { 176.00 } |             | { 6.92 } |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 07/17/87    | 11900.00   | 09/01/87    | 5730.00    |             | NR       |
|                  |            |                             |                         |             | { 459.00 } |             | { 344.00 } |             |          |
|                  |            |                             |                         | 08/13/87    | 7850.00    | 10/22/87    | 6460.00    |             | NR       |
|                  |            |                             |                         |             | { 394.00 } |             | { 360.00 } |             | NR       |
|                  |            |                             |                         | 09/13/87    | 9110.00    |             | NR         |             | NR       |
|                  |            |                             |                         |             | { 412.00 } |             |            |             |          |
|                  |            |                             |                         | 10/07/87    | 9870.00    |             | NR         |             | NR       |
|                  | { 420.00 } |                             |                         |             |            |             |            |             |          |
|                  |            |                             | 11/10/87                | 8960.00     |            | NR          |            | NR          |          |
|                  |            |                             | 12/03/87                | { 340.00 }  |            |             |            |             |          |
|                  |            |                             |                         | 10000.00    |            | NR          |            | NR          |          |
|                  |            |                             |                         | { 429.00 }  |            |             |            |             |          |
| U 234            | PCI/L      | 0.10                        | 32.00                   | 07/17/87    | 43.00 *    | 09/01/87    | 13.00      | 09/01/87    | 0.15     |
|                  |            |                             |                         |             | { 0.60 }   |             | { 0.30 }   |             | { 0.04 } |
| U 235            | PCI/L      | 0.10                        | 32.00                   | 07/17/87    | 1.97       | 09/01/87    | 0.43       | 09/01/87    |          |
|                  |            |                             |                         |             | { 0.13 }   |             | { 0.07 }   |             |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |                    | SAMPLE DATE |                    | SAMPLE DATE |                 |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|--------------------|-------------|--------------------|-------------|-----------------|
|                     |       |                                   |                               | 2-E20-18    | 2-E20-23           | 2-E20-24    | 2-E20-24           |             |                 |
| U 238               | PCI/L | 0.10                              | 4.00                          | 07/17/87    | 46.70 *<br>{ 0.62} | 09/01/87    | 12.90 *<br>{ 0.38} | 09/01/87    | 0.12<br>{ 0.04} |
| U-CHEM              | UG/L  | 0.73                              |                               | 07/17/87    | 121.00             | 09/01/87    | 34.10              | 09/01/87    |                 |
|                     |       |                                   |                               | 08/13/87    | 57.90              | 10/22/87    | 35.50              | 10/22/87    |                 |
|                     |       |                                   |                               | 09/13/87    | 55.20              |             | NR                 |             | NR              |
|                     |       |                                   |                               | 10/07/87    | 03.90              |             | NR                 |             | NR              |
|                     |       |                                   |                               | 11/10/87    | 57.00              |             | NR                 |             | NR              |
|                     |       |                                   |                               | 12/03/87    | 51.30              |             | NR                 |             | NR              |

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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |            | SAMPLE DATE |           | SAMPLE DATE |           |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|-----------|-------------|-----------|
|                  |       |                             |                         | 2-E28-25    | 2-E33-3    | 2-E28-25    | 2-E33-3   | 2-E28-25    | 2-E33-3   |
| ALKALIN          |       |                             |                         |             |            | NR          | 08/06/87  | 96300.00 0  | NR        |
|                  |       |                             |                         |             |            | NR          | 12/06/87  | 99400.00 0  | NR        |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/03/87    | 3.43       | 08/06/87    | 1.24      |             | NR        |
|                  |       |                             |                         |             | { 0.81 }   |             | { 1.07 }  |             |           |
|                  |       |                             |                         | 10/22/87    | 6.97       | 12/06/87    | 1.98      |             | NR        |
|                  |       |                             |                         |             | { 1.12 }   |             | { 1.32 }  |             |           |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/03/87    | 5440.00 *  | 08/06/87    | 253.00 *  | 08/04/87    | 1010.00 * |
|                  |       |                             |                         |             | { 135.00 } |             | { 14.70 } |             | { 31.70 } |
|                  |       |                             |                         | 10/22/87    | 8510.00 *  | 08/06/87    | 438.00 *  | 10/28/87    | 580.00 *  |
|                  |       |                             |                         |             | { 169.00 } |             | { 28.00 } |             | { 23.60 } |
|                  |       |                             |                         |             | NR         | 12/06/87    | 27.70     |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    | { 5.56 }  |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    | 29.90     |             | NR        |
|                  |       |                             |                         |             |            |             | { 3.70 }  |             |           |
| CHLORID          | PPB   | 500.00                      |                         |             | NR         | 08/06/87    | 3630.00   |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    | 3740.00   |             | NR        |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/03/87    |            | 08/06/87    | 24.10     | 08/04/87    | 76.00     |
|                  |       |                             |                         |             |            |             | { 13.80 } |             | { 10.60 } |
|                  |       |                             |                         | 10/22/87    | 8.00       | 12/06/87    | 7.46      | 10/28/87    | 40.10     |
|                  |       |                             |                         |             | { 4.97 }   |             | { 5.84 }  |             | { 13.00 } |
| CONDFLD          | UMHO  | 1.00                        |                         |             | NR         | 08/06/87    | 350.00    |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    | 303.00    |             | NR        |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/03/87    | 19.00      | 08/06/87    | 5.11      | 08/04/87    | 13.40     |
|                  |       |                             |                         |             | { 7.63 }   |             | { 3.82 }  |             | { 8.20 }  |
|                  |       |                             |                         | 10/22/87    | 47.50      | 12/06/87    |           | 10/28/87    |           |
|                  |       |                             |                         |             | { 12.00 }  |             |           |             |           |
| CYANIDE          | PPB   | 10.00                       |                         |             | NR         | 08/06/87    | 38.70     |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    |           |             | NR        |
| FARSENI          | PPB   | 5.00                        | 50.00                   |             | NR         | 08/06/87    | 12.00     |             | NR        |
|                  |       |                             |                         |             | NR         | 12/06/87    | 13.00     |             | NR        |

C.397

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TABLE C.7. (contd)

C.398

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E28-25    |       | 2-E33-3     |            | 2-E33-7     |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------|-------------|------------|-------------|-------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE | SAMPLE DATE | VALUE      | SAMPLE DATE | VALUE |
| FBARIUM          | PPB   | 8.00                        | 1000.00                 |             |             | NR    | 08/08/87    | 19.00      |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 20.00      |             | NR    |
| FCALCIU          | PPB   | 50.00                       |                         |             |             | NR    | 08/08/87    | 25500.00   |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 29200.00   |             | NR    |
| FCHROMI          | PPB   | 10.00                       | 50.00                   |             |             | NR    | 08/08/87    | 10.00      |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 13.00      |             | NR    |
| FLUORID          | PPB   | 500.00                      | 4000.00                 |             |             | NR    | 08/08/87    | 781.00     |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 799.00     |             | NR    |
| FMAGNES          | PPB   | 0.00                        |                         |             |             | NR    | 08/08/87    | 8240.00    |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 8190.00    |             | NR    |
| FPOTASS          | PPB   | 100.00                      |                         |             |             | NR    | 08/08/87    | 5050.00    |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 4670.00    |             | NR    |
| FSODIUM          | PPB   | 100.00                      |                         |             |             | NR    | 08/08/87    | 32900.00   |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 26800.00   |             | NR    |
| FVANADI          | PPB   | 5.00                        |                         |             |             | NR    | 08/08/87    | 29.00      |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 30.00      |             | NR    |
| LFLUORD          | PPB   | 20.00                       | 4000.00                 |             |             | NR    | 08/08/87    | 805.00     |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 800.00     |             | NR    |
| NITRATE          | PPB   | 500.00                      | 45000.00                |             |             | NR    | 08/08/87    | 80800.00 * |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 37800.00   |             | NR    |
| PH-LAB           |       | 0.01                        |                         |             |             | NR    | 08/08/87    | 7.72       |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 8.10       |             | NR    |
| PHFIELD          |       | 0.10                        |                         |             |             | NR    | 08/08/87    | 7.50       |             | NR    |
|                  |       |                             |                         |             |             | NR    | 12/08/87    | 7.50       |             | NR    |
| PU39-40          | PCI/L | 17.00                       | 5000.00                 | 08/03/87    | {           | 0.02  | 08/08/87    |            | 08/04/87    |       |
|                  |       |                             |                         |             |             | 0.02} |             |            |             |       |

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE             |          | SAMPLE DATE           |                     |                        |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------------|----------|-----------------------|---------------------|------------------------|
|                  |       |                             |                         | 2-E28-25    | 2-E33-3                 | 2-E33-7  |                       |                     |                        |
| PU39-48          | PCI/L | 17.00                       | 5000.00                 |             | NR                      | 08/06/87 | NR                    |                     |                        |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/03/87    | 3240.00 *<br>{ 120.00 } | 08/06/87 | 08/04/87              | 40.30 *<br>{ 3.36 } |                        |
|                  |       |                             |                         | 10/22/87    | 4340.00 *<br>{ 68.70 }  |          | NR                    | 10/28/87            |                        |
| SULFATE          | PPB   | 500.00                      |                         |             | NR                      | 08/06/87 | 34400.00              | NR                  |                        |
|                  |       |                             |                         |             | NR                      | 12/06/87 | 33500.00              | NR                  |                        |
| TC               | PPB   |                             |                         |             | NR                      | 08/06/87 | 22600.00 0            | NR                  |                        |
|                  |       |                             |                         |             | NR                      | 12/06/87 | 22600.00 0            | NR                  |                        |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR                      | 08/06/87 | 1400.00 *<br>{ 6.35 } | 08/04/87            | 4700.00 *<br>{ 10.50 } |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR                      | 08/06/87 | 858.00<br>{ 191.00 }  | 08/04/87            | 8310.00<br>{ 344.00 }  |
|                  |       |                             |                         |             | NR                      | 12/06/87 | 1690.00<br>{ 250.00 } |                     | NR                     |
| U                | PCI/L | 0.50                        | 800.00                  |             | NR                      | 08/06/87 | 1.17                  | 08/04/87            | 0.98                   |
|                  |       |                             |                         |             | NR                      | 08/06/87 | 1.73                  |                     | NR                     |
| U 234            | PCI/L | 0.10                        | 32.00                   | 08/03/87    | 1.55<br>{ 0.13 }        |          | NR                    |                     | NR                     |
| U 235            | PCI/L | 0.10                        | 32.00                   | 08/03/87    | 0.06<br>{ 0.03 }        |          | NR                    |                     | NR                     |
| U 238            | PCI/L | 0.10                        | 4.00                    | 08/03/87    | 1.44<br>{ 0.12 }        |          | NR                    |                     | NR                     |
| U-CHEM           | UG/L  | 0.73                        |                         | 08/03/87    | 3.55                    |          | NR                    |                     | NR                     |
|                  |       |                             |                         | 10/22/87    | 5.90                    |          | NR                    |                     | NR                     |

C.399

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-9                             | SAMPLE DATE | 2-E33-12                | SAMPLE DATE | 2-E33-14             |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------------------------|-------------|-------------------------|-------------|----------------------|
|                  |       |                             |                         |             |                                     |             |                         |             |                      |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/02/87    | 224.00 *                            | 09/01/87    | NR                      | 09/01/87    | NR                   |
|                  |       |                             |                         | 10/28/87    | { 9.59 }<br>130.00 +<br>{ 7.52 }    |             | NR                      |             | NR                   |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/02/87    |                                     | 09/01/87    | 18.20<br>{ 8.35 }<br>NR | 09/01/87    | NR                   |
|                  |       |                             |                         | 10/28/87    |                                     |             |                         |             | NR                   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/02/87    | 11.00                               | 09/01/87    |                         | 09/01/87    |                      |
|                  |       |                             |                         | 10/28/87    | { 5.51 }<br>6.84<br>{ 4.33 }        |             | NR                      |             | NR                   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/02/87    | 9890.00                             | 09/01/87    |                         | 09/01/87    | 12400.00             |
|                  |       |                             |                         | 10/28/87    | 9280.00                             |             | NR                      |             | NR                   |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 09/02/87    |                                     | 09/01/87    | 111.00 +<br>{ 51.00 }   | 09/01/87    |                      |
|                  |       |                             |                         | 10/28/87    |                                     |             | NR                      |             | NR                   |
| SR 90            | PCI/L | 5.00                        | 0.00                    | 09/02/87    | 1.09                                | 09/01/87    |                         | 09/01/87    |                      |
|                  |       |                             |                         | 10/28/87    | { 0.74 }<br>1.09<br>{ 0.84 }        |             | NR                      |             | NR                   |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 09/02/87    | 592.00                              |             | NR                      |             | NR                   |
|                  |       |                             |                         |             | { 4.43 }                            |             |                         |             |                      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/02/87    | 2450.00                             | 09/01/87    | 385.00<br>{ 212.00 }    | 09/01/87    | 525.00<br>{ 216.00 } |
|                  |       |                             |                         | 10/28/87    | { 270.00 }<br>3820.00<br>{ 255.00 } |             | NR                      |             | NR                   |
| U                | PCI/L | 0.50                        | 800.00                  | 09/02/87    | 1.45                                | 09/01/87    |                         | 09/01/87    | 1.22                 |

C.400

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-E33-20   |  | SAMPLE DATE | 2-E33-26  |  | SAMPLE DATE | 2-W6-1      |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|-------------|-----------|--|-------------|-------------|
|                  |       |                             |                         |             |            |  |             |           |  |             |             |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/02/87    | 8.39       |  | 09/01/87    | 271.00 *  |  |             | NR          |
|                  |       |                             |                         |             | { 2.12 }   |  | { 10.00 }   |           |  |             |             |
|                  |       |                             |                         | 10/20/87    | 11.00      |  | 10/20/87    | 197.00 *  |  |             | NR          |
|                  |       |                             |                         |             | { 2.38 }   |  |             | { 9.38 }  |  |             |             |
| CD-00            | PCI/L | 22.50                       | 100.00                  | 09/02/87    |            |  | 09/01/87    |           |  | 08/18/87    |             |
|                  |       |                             |                         |             | NR         |  | 10/20/87    | 10.20     |  |             |             |
|                  |       |                             |                         |             |            |  |             | { 9.00 }  |  |             |             |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/02/87    | 3530.00    |  |             | NR        |  | 08/18/87    | 223000.00 * |
|                  |       |                             |                         |             | 4850.00    |  |             | NR        |  |             |             |
|                  |       |                             |                         | 10/20/87    |            |  |             |           |  |             |             |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 09/02/87    |            |  | 09/01/87    | 30.00 *   |  | 08/18/87    |             |
|                  |       |                             |                         |             | NR         |  |             | { 20.70 } |  |             |             |
|                  |       |                             |                         |             |            |  | 10/20/87    |           |  |             | NR          |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR         |  | 09/01/87    | 1420.00 * |  |             | NR          |
|                  |       |                             |                         |             |            |  |             | { 8.62 }  |  |             |             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/02/87    | 2200.00    |  |             | NR        |  | 08/18/87    | 51000.00 *  |
|                  |       |                             |                         |             | { 200.00 } |  |             |           |  | { 767.00 }  |             |
|                  |       |                             |                         |             |            |  |             |           |  |             |             |
| U                | PCI/L | 0.50                        | 600.00                  | 09/02/87    | 1.10       |  |             | NR        |  |             | NR          |

C.401

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W10-1     |          | 2-W10-3     |          | 2-W10-5     |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|----------|-------------|------------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE      |
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR          | 07/01/87 | 16.70 *     |          |             | NR         |
|                  |       |                             |                         |             | NR          | 09/22/87 | { 1.74 }    |          |             | NR         |
|                  |       |                             |                         |             | NR          | 11/01/87 | { 1.44 }    |          |             | NR         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/22/87    | 33.70       | 07/01/87 | 41.10       |          |             | NR         |
|                  |       |                             |                         |             | { 4.50 }    |          | { 5.01 }    |          |             |            |
|                  |       |                             |                         | 11/01/87    | 40.40       | 09/22/87 | 47.10       |          |             | NR         |
|                  |       |                             |                         |             | { 4.80 }    |          | { 5.94 }    |          |             |            |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/22/87    |             | 07/01/87 |             | 08/19/87 |             |            |
|                  |       |                             |                         | 11/01/87    | 5.64        | 09/22/87 |             |          |             | NR         |
|                  |       |                             |                         |             | { 5.04 }    |          |             |          |             |            |
|                  |       |                             |                         |             | NR          | 11/01/87 |             |          |             | NR         |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR          | 09/22/87 | 610.00      |          |             | NR         |
|                  |       |                             |                         |             |             |          | { 5.11 }    |          |             |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/22/87    | 57700.00 *  | 09/22/87 | 120000.00 * | 08/19/87 | 10200.00    |            |
|                  |       |                             |                         |             | { 910.00 }  |          | { 1310.00 } |          |             | { 426.00 } |
| U                | PCI/L | 0.50                        | 600.00                  | 09/22/87    | 2.52        | 09/22/87 | 8.20        |          |             | NR         |

C.402

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-W11-3              |          | 2-W11-9              |          | 2-W11-11       |                                 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------------|----------|----------------------|----------|----------------|---------------------------------|
|                     |       |                                   |                               |                | SAMPLE<br>DATE       | VALUE    | SAMPLE<br>DATE       | VALUE    | SAMPLE<br>DATE | VALUE                           |
| ALPHA               | PCI/L | 4.00                              | 15.00                         |                |                      | NR       |                      | NR       | 09/18/87       | 1.91                            |
|                     |       |                                   |                               |                |                      | NR       |                      | NR       | 10/29/87       | { 0.83 }<br>1.90<br>{ 0.81 }    |
| BETA                | PCI/L | 8.00                              | 50.00                         |                |                      | NR       |                      | NR       | 09/18/87       | 56.70 +                         |
|                     |       |                                   |                               |                |                      | NR       |                      | NR       | 10/29/87       | { 5.33 }<br>54.80 +<br>{ 5.27 } |
| CO-60               | PCI/L | 22.50                             | 100.00                        | 09/17/87       |                      | NR       |                      | NR       | 09/18/87       | 8.76                            |
|                     |       |                                   |                               |                |                      | NR       |                      | NR       | 10/29/87       | { 5.52 }                        |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/17/87       | 94800.00 *           | 09/17/87 | 7120.00              |          |                | NR                              |
| TC-99               | PCI/L | 15.00                             | 900.00                        |                | NR                   |          | NR                   | 09/18/87 | 385.00         | { 3.48 }                        |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/17/87       | 443.00<br>{ 209.00 } | 09/17/87 | 911.00<br>{ 225.00 } |          |                | NR                              |
| U                   | PCI/L | 0.50                              | 600.00                        | 09/17/87       | 1.03                 | 09/17/87 |                      |          |                | NR                              |

C.403

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W11-15 |  | SAMPLE DATE | 2-W11-18 |         | SAMPLE DATE | 2-W11-23    |         |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|---------|-------------|-------------|---------|
|                  |       |                             |                         |             |          |  |             |          |         |             |             |         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR       |  |             | NR       |         | 09/18/87    | 0.00        |         |
|                  |       |                             |                         |             | NR       |  |             | NR       |         |             | 09/18/87    | { 0.46} |
|                  |       |                             |                         |             |          |  |             |          |         | 10/29/87    | 2.18        | { 0.64} |
|                  |       |                             |                         |             |          |  |             |          |         |             |             |         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/18/87    | 21.40    |  | 09/18/87    | 52.20 *  |         | 09/18/87    | 30.40       |         |
|                  |       |                             |                         |             | { 3.24}  |  |             | { 5.36}  |         | 10/29/87    | { 4.77}     |         |
|                  |       |                             |                         | 10/29/87    | 18.70    |  | 10/29/87    | 55.20 *  |         | 10/29/87    | 20.50       |         |
|                  |       |                             |                         |             | { 3.17}  |  |             | { 5.54}  |         |             | { 3.65}     |         |
| CO-60            | PCI/L | 22.60                       | 100.00                  |             | NR       |  | 09/18/87    | 8.47     |         | 09/18/87    | 11.80       |         |
|                  |       |                             |                         |             | NR       |  |             | { 8.91}  |         | 10/29/87    | 12.10       | { 7.14} |
|                  |       |                             |                         |             |          |  | 10/29/87    | 12.10    |         | 10/29/87    | 13.90       |         |
|                  |       |                             |                         |             |          |  |             | { 7.68}  |         |             | { 7.70}     |         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR       |  |             | NR       |         | 09/18/87    | 442000.00 * |         |
|                  |       |                             |                         |             | NR       |  |             | NR       |         | 10/29/87    | 436000.00 * |         |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR       |  | 09/18/87    | 510.00   |         | 09/18/87    | 270.00      |         |
|                  |       |                             |                         |             |          |  |             |          | { 3.94} |             |             |         |

C.404

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |             | SAMPLE DATE |    | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|----|-------------|------------|
|                  |       |                             |                         | 2-W11-24    |             | 2-W12-1     |    | 2-W14-10    |            |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/18/87    | 0.46        | NR          | NR | 07/20/87    | 2.95       |
|                  |       |                             |                         | 10/29/87    | { 0.35 }    |             |    | 08/13/87    | { 0.76 }   |
|                  |       |                             |                         |             | NR          |             |    | 09/16/87    | { 1.32 }   |
|                  |       |                             |                         |             | NR          |             |    | 10/12/87    | { 0.54 }   |
|                  |       |                             |                         |             | NR          |             |    | 12/09/87    | { 1.84 }   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/18/87    | 9.43        | NR          | NR | 07/20/87    | 5.05       |
|                  |       |                             |                         | 10/29/87    | { 2.63 }    |             |    | 08/13/87    | { 1.94 }   |
|                  |       |                             |                         |             | 8.48        |             |    | 09/16/87    | { 4.92 }   |
|                  |       |                             |                         |             | { 2.48 }    |             |    | 10/12/87    | { 1.92 }   |
|                  |       |                             |                         |             | NR          |             |    | 12/09/87    | { 4.65 }   |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/18/87    |             | NR          | NR | 07/20/87    | 3.84       |
|                  |       |                             |                         | 10/29/87    |             |             |    | 08/13/87    | { 3.13 }   |
|                  |       |                             |                         |             | NR          |             |    | 09/16/87    | NR         |
|                  |       |                             |                         |             | NR          |             |    | 10/12/87    | NR         |
|                  |       |                             |                         |             | NR          |             |    | 12/09/87    | NR         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/18/87    | 333000.00 * | NR          | NR | 07/20/87    | 89500.00 * |
|                  |       |                             |                         | 10/29/87    | 264000.00 * |             |    | 08/13/87    | 81900.00 * |
|                  |       |                             |                         |             | NR          |             |    | 09/16/87    | 88900.00 * |
|                  |       |                             |                         |             | NR          |             |    | 10/12/87    | 82700.00 * |
|                  |       |                             |                         |             | NR          |             |    | 12/09/87    | 64200.00 * |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 09/18/87    | 25.00       | NR          | NR |             | NR         |
|                  |       |                             |                         |             | { 1.36 }    |             |    |             |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR          | NR          | NR | 07/20/87    | 1010.00    |
|                  |       |                             |                         |             |             |             |    | 09/17/87    | { 338.00 } |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.405

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 2-W11-24 | SAMPLE<br>DATE | 2-W12-1 | SAMPLE<br>DATE | 2-W14-10   |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|---------|----------------|------------|
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      |                | NR       |                | NR      | 08/13/87       |            |
|                     |       |                                   |                               |                | NR       |                | NR      | 09/16/87       | 813.00     |
|                     |       |                                   |                               |                |          |                |         |                | { 222.00 } |
|                     |       |                                   |                               |                | NR       |                | NR      | 10/12/87       | 992.00     |
|                     |       |                                   |                               |                |          |                |         |                | { 230.00 } |
|                     |       |                                   |                               |                | NR       |                | NR      | 12/09/87       | 1310.00    |
|                     |       |                                   |                               |                |          |                |         |                | { 198.00 } |

C.406

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W15-2     |                       | 2-W15-3     |          | 2-W15-6          |                              |                  |                  |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-----------------------|-------------|----------|------------------|------------------------------|------------------|------------------|
|                  |       |                             |                         |             | SAMPLE DATE | VALUE                 | SAMPLE DATE | VALUE    | SAMPLE DATE      | VALUE                        |                  |                  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             |             | NR                    |             | NR       | 09/18/87         | 0.77                         |                  |                  |
|                  |       |                             |                         |             |             | NR                    |             | NR       | 10/29/87         | { 0.44 }<br>0.78<br>{ 0.44 } |                  |                  |
| BETA             | PCI/L | 8.00                        | 50.00                   |             |             | NR                    |             | 07/01/87 | 80.00 *          | 09/18/87                     | 4.25             |                  |
|                  |       |                             |                         |             |             | NR                    |             | { 0.53 } | 09/22/87         | 88.30 *                      | 10/29/87         | { 1.74 }<br>4.16 |
|                  |       |                             |                         |             |             | NR                    |             | { 0.63 } | 11/01/87         | 73.20 *                      |                  | { 1.70 }<br>NR   |
|                  |       |                             |                         |             |             |                       |             | { 0.18 } |                  |                              |                  |                  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/18/87    |             |                       |             | 09/22/87 | 0.00<br>{ 5.00 } | 09/18/87                     | 7.10<br>{ 5.37 } |                  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             |             | NR                    |             | 07/01/87 | 124000.00 *      | 09/18/87                     | 9000.00          |                  |
|                  |       |                             |                         |             |             | NR                    |             | 09/22/87 | 141000.00 *      | 10/29/87                     | 8500.00          |                  |
|                  |       |                             |                         |             |             | NR                    |             | 11/01/87 | 145000.00 *      |                              | NR               |                  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/18/87    |             | 1570.00<br>{ 245.00 } |             | NR       | 09/18/87         |                              |                  |                  |

C.407

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W10-3    | SAMPLE DATE | 2-W10-5 | SAMPLE DATE | 2-W10-9 |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|---------|-------------|---------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR         | 09/17/87    | 0.77    | 08/19/87    | 0.69    |
|                  |       |                             |                         |             | NR         | 10/29/87    | { 0.42} | 11/01/87    | { 0.41} |
|                  |       |                             |                         |             |            |             | { 0.83} |             |         |
|                  |       |                             |                         |             |            |             | { 0.44} |             |         |
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR         | 09/17/87    | 9.27    | 08/19/87    | 8.59    |
|                  |       |                             |                         |             | NR         | 10/29/87    | { 2.48} | 11/01/87    | { 3.03} |
|                  |       |                             |                         |             |            |             | { 8.91} |             | { 1.84} |
|                  |       |                             |                         |             |            |             | { 2.40} |             | { 1.27} |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/22/87    | 83100.00 * |             | NR      | 08/19/87    | 5930.00 |
|                  |       |                             |                         |             | NR         |             | NR      | 11/01/87    | 5200.00 |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W18-17 |  | SAMPLE DATE | 2-W18-20 |          | SAMPLE DATE | 2-W19-2   |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|----------|----------|-------------|-----------|--|
|                  |       |                             |                         |             |          |  |             |          |          |             |           |  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/19/87    |          |  | 09/18/87    | 0.37     | 09/17/87 | 02.20 +     |           |  |
|                  |       |                             |                         | 11/01/87    |          |  | 11/01/87    | { 0.33}  | 10/08/87 | { 3.24}     |           |  |
|                  |       |                             |                         |             | NR       |  |             | { 0.40}  | 11/11/87 | { 3.15}     |           |  |
|                  |       |                             |                         |             | NR       |  |             | NR       | 12/08/87 | { 74.20 +   |           |  |
|                  |       |                             |                         |             |          |  |             |          |          | { 3.05}     |           |  |
|                  |       |                             |                         |             |          |  |             |          |          |             | { 91.40 + |  |
|                  |       |                             |                         |             |          |  |             |          |          |             | { 4.05}   |  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/19/87    | 6.00     |  | 09/18/87    | 3.71     | 09/17/87 | 100.00 +    |           |  |
|                  |       |                             |                         | 11/01/87    | { 1.74}  |  | 11/01/87    | { 1.51}  | 10/08/87 | { 7.90}     |           |  |
|                  |       |                             |                         |             | { 2.33}  |  |             | { 1.79}  | 11/11/87 | { 7.69}     |           |  |
|                  |       |                             |                         |             | { 1.32}  |  |             | NR       | 12/08/87 | { 104.00 +  |           |  |
|                  |       |                             |                         |             | NR       |  |             |          |          | { 7.85}     |           |  |
|                  |       |                             |                         |             | NR       |  |             |          |          | { 120.00 +  |           |  |
|                  |       |                             |                         |             |          |  |             |          |          | { 8.60}     |           |  |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/19/87    |          |  | 09/18/87    |          | 09/17/87 |             |           |  |
|                  |       |                             |                         | 11/01/87    |          |  | 11/01/87    | 5.06     | 10/08/87 |             |           |  |
|                  |       |                             |                         |             | { 4.52}  |  |             |          |          |             |           |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/19/87    |          |  | 09/18/87    |          | 09/17/87 |             |           |  |
|                  |       |                             |                         | 11/01/87    |          |  | 11/01/87    |          | 10/08/87 | 4.13        |           |  |
|                  |       |                             |                         |             |          |  |             |          |          | { 3.87}     |           |  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/19/87    | 6220.00  |  | 09/18/87    |          | 09/17/87 | 477000.00 * |           |  |
|                  |       |                             |                         | 11/01/87    |          |  | 11/01/87    |          | 10/08/87 | 464000.00 * |           |  |
|                  |       |                             |                         |             | NR       |  |             | NR       | 11/11/87 | 585000.00 * |           |  |
|                  |       |                             |                         |             | NR       |  |             | NR       | 12/08/87 | 323000.00 * |           |  |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/19/87    | 81.20 *  |  | 09/18/87    |          | 09/17/87 |             |           |  |
|                  |       |                             |                         | 11/01/87    | { 36.90} |  | 11/01/87    |          | 10/08/87 |             |           |  |
| SR 90            | PCI/L | 5.00                        | 8.00                    |             | NR       |  |             |          | 09/17/87 | 15.20 +     |           |  |
|                  |       |                             |                         |             | NR       |  |             | NR       | 10/08/87 | { 2.23}     |           |  |
|                  |       |                             |                         |             |          |  |             |          |          | { 12.10 *   |           |  |
|                  |       |                             |                         |             |          |  |             |          |          | { 2.00}     |           |  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.409

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-W18-17       |           | 2-W18-20       |            | 2-W19-2        |                   |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------|----------------|------------|----------------|-------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |           | SAMPLE<br>DATE |            | SAMPLE<br>DATE |                   |
| TC-99               | PCI/L | 15.00                             | 900.00                        |                | NR        |                | NR         | 09/17/87       | 581.00<br>{ 4.22} |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/19/87       | 763.00    | 09/18/87       |            | 09/17/87       | 119000.00 *       |
|                     |       |                                   |                               |                | { 224.00} |                |            |                | { 1310.00}        |
|                     |       |                                   |                               | 11/01/87       | 317.00    | 11/01/87       | 1690.00    | 10/08/87       | 113000.00 *       |
|                     |       |                                   | { 167.00}                     |                | { 206.00} |                | { 1280.00} |                |                   |
| U-CHEM              | UG/L  | 0.73                              |                               | NR             |           | NR             | 09/17/87   | 73.50          |                   |
|                     |       |                                   |                               | NR             |           | NR             | 10/08/87   | 69.30          |                   |
|                     |       |                                   |                               | NR             |           | NR             | 11/11/87   | 70.10          |                   |
|                     |       |                                   |                               | NR             |           | NR             | 12/08/87   | 94.50          |                   |

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# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
+ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-4  | SAMPLE DATE | 2-W19-12   | SAMPLE DATE | 2-W19-14 |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|-------------|----------|
|                  |       |                             |                         | -----       | -----    | -----       | -----      | -----       | -----    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | -----       | NR       | 09/18/87    | 4.41       | 08/13/87    | 3.36     |
|                  |       |                             |                         |             |          |             | { 0.91 }   |             | { 0.77 } |
|                  |       |                             |                         |             | NR       | 10/29/87    | 4.33       | 09/16/87    | 4.59     |
|                  |       |                             |                         |             |          |             | { 0.91 }   |             | { 0.93 } |
|                  |       |                             |                         |             | NR       |             | NR         | 10/08/87    | 3.98     |
|                  |       |                             |                         |             | { 0.86 } |             |            | 3.15        |          |
|                  |       |                             |                         | NR          |          | NR          |            | 11/11/87    | { 0.75 } |
|                  |       |                             |                         | NR          |          | NR          |            | 12/08/87    | 3.02     |
|                  |       |                             |                         |             |          |             |            |             | { 0.73 } |
| BETA             | PCI/L | 8.00                        | 50.00                   | -----       | NR       | 09/18/87    | 28.40      | 08/13/87    | 8.17     |
|                  |       |                             |                         |             |          |             | { 3.67 }   |             | { 2.18 } |
|                  |       |                             |                         |             | NR       | 10/29/87    | 22.00      | 09/16/87    | 11.10    |
|                  |       |                             |                         |             |          |             | { 3.28 }   |             | { 2.40 } |
|                  |       |                             |                         |             | NR       |             | NR         | 10/08/87    | 9.39     |
|                  |       |                             |                         |             | { 2.29 } |             |            | 13.20       |          |
|                  |       |                             |                         | NR          |          | NR          |            | 11/11/87    | { 2.61 } |
|                  |       |                             |                         | NR          |          | NR          |            | 12/08/87    | 10.00    |
|                  |       |                             |                         |             |          |             |            |             | { 2.33 } |
| CD-60            | PCI/L | 22.50                       | 100.00                  | -----       | NR       | 09/18/87    |            | 08/13/87    |          |
|                  |       |                             |                         |             | NR       | 10/29/87    |            | 09/16/87    |          |
|                  |       |                             |                         |             |          |             | { 9.02 }   |             |          |
|                  |       |                             |                         |             |          |             | { 6.38 }   |             |          |
|                  |       |                             |                         |             | NR       |             | NR         | 10/08/87    |          |
|                  |       |                             |                         |             |          | NR          |            | 11/11/87    |          |
|                  |       |                             |                         | NR          |          | NR          |            | 12/08/87    |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/13/87    | 7790.00  | 09/18/87    | 5730.00    | 08/13/87    | 10000.00 |
|                  |       |                             |                         |             | NR       | 10/29/87    | 7490.00    | 09/16/87    | 15000.00 |
|                  |       |                             |                         |             | NR       |             | NR         | 10/08/87    | 13400.00 |
|                  |       |                             |                         |             | NR       |             | NR         | 11/11/87    | 15300.00 |
|                  |       |                             |                         |             | NR       |             | NR         | 12/08/87    | 13500.00 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | -----       | NR       | 09/18/87    |            | 08/13/87    |          |
|                  |       |                             |                         |             | NR       | 10/29/87    | 288.00     | 09/16/87    |          |
|                  |       |                             |                         |             |          |             | { 187.00 } |             |          |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.411

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE      |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|----------------|----------------|---------------------|
|                     |       |                                   |                               | 2-W19-4        | 2-W19-12       | 2-W19-14       |                |                     |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | NR             |                |                |                |                     |
|                     |       |                                   |                               | NR             |                |                | 10/08/87       |                     |
|                     |       |                                   |                               | NR             |                |                | 11/11/87       |                     |
|                     |       |                                   |                               |                |                |                | 12/08/87       | 305.00<br>{ 168.00} |
| U-CHEM              | UG/L  | 0.73                              |                               | NR             |                |                |                |                     |
|                     |       |                                   |                               | NR             | 09/18/87       | 5.12           | 06/13/87       | 3.75                |
|                     |       |                                   |                               | NR             | 10/29/87       | 4.81           | 09/16/87       | 4.74                |
|                     |       |                                   |                               | NR             |                |                | 10/08/87       | 3.76                |
|                     |       |                                   |                               | NR             |                |                | 11/11/87       | 4.28                |
|                     |       |                                   |                               |                |                |                | 12/08/87       | 4.23                |

C.412

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-W19-17       |          | 2-W19-18       |           | 2-W19-19       |          |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|-----------|----------------|----------|
|                     |       |                                   |                               | SAMPLE<br>DATE |          | SAMPLE<br>DATE |           | SAMPLE<br>DATE |          |
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 07/22/87       | 38.60 *  | 07/20/87       | 4840.00 * | 07/20/87       | 488.00 * |
|                     |       |                                   |                               |                | { 5.85}  |                | { 294.00} |                | { 9.32}  |
|                     |       |                                   |                               | 08/19/87       | 14.90    | 08/18/87       | 4820.00 * | 08/13/87       | 476.00 * |
|                     |       |                                   |                               |                | { 4.43}  |                | { 299.00} |                | { 9.11}  |
|                     |       |                                   |                               | 09/15/87       | 24.30 *  | 09/18/87       | 4830.00 * | 09/16/87       | 435.00 * |
|                     |       |                                   |                               |                | { 5.53}  |                | { 274.00} |                | { 8.81}  |
|                     |       |                                   |                               | 10/08/87       | 12.80    | 10/08/87       | 3820.00 * | 10/08/87       | 437.00 * |
|                     |       |                                   |                               |                | { 3.78}  |                | { 260.00} |                | { 8.73}  |
|                     |       |                                   | 11/17/87                      | 22.10 *        | 11/17/87 | 4480.00 *      |           | NR             |          |
|                     |       |                                   |                               | { 5.39}        |          | { 285.00}      |           |                |          |
|                     |       |                                   | 12/09/87                      | 13.70          | 12/08/87 | 3690.00 *      |           | NR             |          |
|                     |       |                                   |                               | { 4.38}        |          | { 250.00}      |           |                |          |
| BETA                | PCI/L | 8.00                              | 50.00                         | 07/22/87       | 48.70    | 07/20/87       | 7940.00 * | 07/20/87       | 518.00 * |
|                     |       |                                   |                               |                | { 9.93}  |                | { 568.00} |                | { 18.40} |
|                     |       |                                   |                               | 08/19/87       | 88.30 *  | 08/18/87       | 8330.00 * | 08/13/87       | 476.00 * |
|                     |       |                                   |                               |                | { 11.10} |                | { 581.00} |                | { 17.80} |
|                     |       |                                   |                               | 09/15/87       | 82.20 *  | 09/18/87       | 7130.00 * | 09/16/87       | 333.00 * |
|                     |       |                                   |                               |                | { 11.10} |                | { 539.00} |                | { 14.00} |
|                     |       |                                   |                               | 10/08/87       | 59.50 *  | 10/08/87       | 6290.00 * | 10/08/87       | 268.00 * |
|                     |       |                                   |                               |                | { 10.90} |                | { 507.00} |                | { 10.60} |
|                     |       |                                   | 11/17/87                      | 88.30 *        | 11/17/87 | 7830.00 *      |           | NR             |          |
|                     |       |                                   |                               | { 11.10}       |          | { 557.00}      |           |                |          |
|                     |       |                                   | 12/09/87                      | 54.80 *        | 12/08/87 | 6880.00 *      |           | NR             |          |
|                     |       |                                   |                               | { 10.80}       |          | { 528.00}      |           |                |          |
| CHLORID             | PPB   | 500.00                            |                               | 11/17/87       | 28800.00 | 11/17/87       | 23400.00  |                | NR       |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                | NR       |                | NR        | 07/20/87       |          |
|                     |       |                                   |                               |                | NR       |                | NR        | 08/13/87       | 8.87     |
|                     |       |                                   |                               |                | NR       |                | NR        |                | { 4.96}  |
|                     |       |                                   |                               |                | NR       |                | NR        | 09/16/87       |          |
|                     |       |                                   |                               |                |          | 10/08/87       |           |                |          |
| CS-137              | PCI/L | 20.00                             | 200.00                        |                | NR       |                | NR        | 07/20/87       | 4.28     |
|                     |       |                                   |                               |                | NR       |                | NR        |                | { 3.83}  |
|                     |       |                                   |                               |                | NR       |                | NR        | 08/13/87       |          |
|                     |       |                                   |                               |                |          | 09/16/87       |           |                |          |

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 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

C.414

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-17 |                     | 2-W19-18 |                        | SAMPLE DATE | 2-W19-19               |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|---------------------|----------|------------------------|-------------|------------------------|
|                  |       |                             |                         |             |          |                     |          |                        |             |                        |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             |          | NR                  |          | NR                     | 10/08/87    |                        |
| FLUORID          | PPB   | 500.00                      | 4000.00                 | 11/17/87    |          | 873.00              | 11/17/87 | 801.00                 |             | NR                     |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/22/87    |          | 11000.00            | 07/20/87 | 220000.00 *            | 07/20/87    | 1500000.00 *           |
|                  |       |                             |                         | 08/19/87    |          | 10000.00            | 08/18/87 | 231000.00 *            | 08/13/87    | 1320000.00 *           |
|                  |       |                             |                         | 09/15/87    |          | 10900.00            | 09/16/87 | 201000.00 *            | 09/16/87    | 1290000.00 *           |
|                  |       |                             |                         | 10/08/87    |          | 10400.00            | 10/08/87 | 192000.00 *            | 10/08/87    | 1310000.00 *           |
|                  |       |                             |                         | 11/17/87    |          | 11200.00            | 11/17/87 | 207000.00 *            |             | NR                     |
|                  |       |                             |                         | 12/09/87    |          | 11000.00            | 12/08/87 | 167000.00 *            |             | NR                     |
| NITRATE          | PPB   | 500.00                      | 45000.00                | 11/17/87    |          | 11000.00            | 11/17/87 | 207000.00 *            |             | NR                     |
| SULFATE          | PPB   | 500.00                      |                         | 11/17/87    |          | 27400.00            | 11/17/87 | 63000.00               |             | NR                     |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 12/09/87    |          | 194.00<br>{ 4.00 }  | 12/08/87 | 8100.00 *<br>{ 51.90 } |             | NR                     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             |          | NR                  |          | NR                     | 07/20/87    | 3570.00<br>{ 1130.00 } |
|                  |       |                             |                         |             |          | NR                  |          | NR                     | 08/13/87    | 1400.00<br>{ 207.00 }  |
|                  |       |                             |                         |             |          | NR                  |          | NR                     | 09/16/87    | 1520.00<br>{ 243.00 }  |
|                  |       |                             |                         |             |          | NR                  |          | NR                     | 10/08/87    | 1570.00<br>{ 251.00 }  |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/22/87    |          | 15.50<br>{ 0.40 }   | 07/20/87 | 2820.00 *<br>{ 59.00 } |             | NR                     |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/22/87    |          | 0.50<br>{ 0.09 }    | 07/20/87 | 103.00 *<br>{ 11.70 }  |             | NR                     |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/22/87    |          | 10.20 *<br>{ 0.47 } | 07/20/87 | 2500.00 *<br>{ 58.70 } |             | NR                     |
| U-CHEM           | UG/L  | 0.73                        |                         | 07/22/87    |          | 47.40               | 07/20/87 | 0040.00                | 07/20/87    | 757.00                 |
|                  |       |                             |                         | 08/19/87    |          | 45.20               | 08/18/87 | 0110.00                | 08/13/87    | 527.00                 |
|                  |       |                             |                         | 09/15/87    |          | 51.20               | 09/16/87 | 7270.00                | 09/16/87    | 038.00                 |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-W19-17       |       | 2-W19-18       |         | 2-W19-19       |                    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-------|----------------|---------|----------------|--------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE | VALUE | SAMPLE<br>DATE | VALUE   | SAMPLE<br>DATE | VALUE              |
| U-CHEM              | UG/L  | 0.73                              |                               | 10/08/87       | 31.30 | 10/08/87       | 6150.00 | 10/08/87       | 590.00<br>NR<br>NR |
|                     |       |                                   |                               | 11/17/87       | 40.10 | 11/17/87       | 7430.00 |                |                    |
|                     |       |                                   |                               | 12/09/87       | 46.90 | 12/08/87       | 6380.00 |                |                    |

C.415

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-21 |           | SAMPLE DATE | 2-W19-23  |            | SAMPLE DATE | 2-W19-26  |            |            |  |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-----------|-------------|-----------|------------|-------------|-----------|------------|------------|--|
|                  |       |                             |                         |             |          |           |             |           |            |             |           |            |            |  |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/18/87    | 17.60 *  |           | 07/20/87    | 171.00 *  |            | 07/20/87    | 281.00 *  |            |            |  |
|                  |       |                             |                         |             | { 1.76 } |           | { 5.53 }    |           | { 6.53 }   |             |           |            |            |  |
|                  |       |                             |                         | 09/16/87    | 19.90 *  |           | 08/13/87    | 158.00 *  |            | 08/13/87    | 260.00 *  |            | { 15.70 }  |  |
|                  |       |                             |                         |             | { 1.90 } |           | { 12.00 }   |           | { 13.40 }  |             |           |            |            |  |
|                  |       |                             |                         | 10/12/87    | 18.90 *  |           | 09/16/87    | 133.00 *  |            | 09/15/87    | 201.00 *  |            | { 13.40 }  |  |
|                  |       |                             |                         |             | { 1.85 } |           | { 11.10 }   |           | { 14.80 }  |             |           |            |            |  |
|                  |       |                             | 11/11/87                | 17.00 *     |          | 10/12/87  | 142.00 *    |           | 10/12/87   | 257.00 *    |           | { 14.80 }  |            |  |
|                  |       |                             |                         | { 1.74 }    |          | { 10.00 } |             | { 10.00 } |            | 11/19/87    | 182.00 *  |            |            |  |
|                  |       |                             | 12/08/87                | 18.90 *     |          | 11/19/87  | 134.00 *    |           | 11/19/87   | 182.00 *    |           | { 12.50 }  |            |  |
|                  |       |                             |                         | { 1.73 }    |          | { 10.00 } |             | { 10.00 } |            | 12/08/87    | 234.00 *  |            |            |  |
|                  |       |                             |                         | NR          |          | 12/08/87  | 140.00 *    |           | 12/08/87   | 234.00 *    |           | { 14.40 }  |            |  |
|                  |       |                             |                         |             |          |           | { 11.30 }   |           |            |             |           |            |            |  |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/18/87    | 13.70    |           | 07/20/87    | 120.00 *  |            | 07/20/87    | 879.00 *  |            |            |  |
|                  |       |                             |                         |             | { 2.58 } |           | { 8.41 }    |           | { 22.50 }  |             |           |            |            |  |
|                  |       |                             |                         | 09/16/87    | 7.74     |           | 08/13/87    | 264.00 *  |            | 08/13/87    | 2240.00 * |            | { 93.10 }  |  |
|                  |       |                             |                         |             | { 1.93 } |           | { 32.50 }   |           | { 103.00 } |             |           |            |            |  |
|                  |       |                             |                         | 10/12/87    | 9.21     |           | 09/16/87    | 307.00 *  |            | 09/15/87    | 2070.00 * |            | { 103.00 } |  |
|                  |       |                             |                         |             | { 2.10 } |           | { 35.10 }   |           | { 183.00 } |             |           |            |            |  |
|                  |       |                             | 11/11/87                | 8.28        |          | 10/12/87  | 250.00 *    |           | 10/12/87   | 2450.00 *   |           | { 95.30 }  |            |  |
|                  |       |                             |                         | { 2.00 }    |          | { 31.10 } |             | { 31.10 } |            | 11/19/87    | 3090.00 * |            |            |  |
|                  |       |                             | 12/08/87                | 11.30       |          | 11/19/87  | 345.00 *    |           | 11/19/87   | 3090.00 *   |           | { 107.00 } |            |  |
|                  |       |                             |                         | { 2.33 }    |          | { 36.20 } |             | { 36.20 } |            | 12/08/87    | 2900.00 * |            |            |  |
|                  |       |                             |                         | NR          |          | 12/08/87  | 338.00 *    |           | 12/08/87   | 2900.00 *   |           | { 104.00 } |            |  |
|                  |       |                             |                         |             |          |           | { 35.70 }   |           |            |             |           |            |            |  |
| CD-80            | PCI/L | 22.50                       | 100.00                  | 08/18/87    |          |           | 07/20/87    |           |            | 07/20/87    |           |            |            |  |
|                  |       |                             |                         | 09/16/87    |          |           | 08/13/87    |           |            | 08/13/87    | 10.70     |            |            |  |
|                  |       |                             |                         |             |          |           |             |           |            |             | { 4.88 }  |            |            |  |
|                  |       |                             |                         | 10/12/87    |          |           | 09/16/87    |           |            | 09/15/87    |           |            |            |  |
|                  |       |                             |                         | 11/11/87    |          |           | 10/12/87    |           |            | 10/12/87    |           |            |            |  |
|                  |       |                             |                         | 12/08/87    |          |           | 11/19/87    |           |            | 11/19/87    |           |            |            |  |
|                  |       |                             |                         | NR          |          | 12/08/87  |             |           | 12/08/87   | 6.40        |           |            |            |  |
|                  |       |                             |                         |             |          |           |             |           |            | { 5.22 }    |           |            |            |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/18/87    | 6.89     |           | 07/20/87    |           |            | 07/20/87    | 8.98      |            |            |  |
|                  |       |                             |                         |             | { 4.36 } |           |             |           | 08/13/87   | 3.50        |           | { 4.97 }   |            |  |
|                  |       |                             |                         | 09/16/87    |          |           | 08/13/87    |           | { 2.41 }   |             |           |            |            |  |

C.416

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-21 | SAMPLE DATE | 2-W19-23    | SAMPLE DATE | 2-W19-26    |             |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|-------------|-------------|-------------|-------------|-------------|
| CS-137           | PCI/L    | 20.00                       | 200.00                  | 10/12/87    | NR       | 09/10/87    | NR          | 09/15/87    | NR          |             |
|                  |          |                             |                         | 11/11/87    |          | 10/12/87    |             | 10/12/87    |             |             |
|                  |          |                             |                         | 12/08/87    |          | 11/19/87    |             | 11/19/87    |             |             |
|                  |          |                             |                         |             |          | 12/08/87    |             | 12/08/87    |             |             |
| HNITRAT          | PPB      | 2500.00                     | 45000.00                | 08/18/87    | NR       | 07/20/87    | 540000.00 * | 07/20/87    | 630000.00 * |             |
|                  |          |                             |                         | 09/10/87    |          | 08/13/87    |             | 08/13/87    |             | 700000.00 * |
|                  |          |                             |                         | 10/12/87    |          | 09/10/87    |             | 09/15/87    |             | 670000.00 * |
|                  |          |                             |                         | 11/11/87    |          | 10/12/87    |             | 10/12/87    |             | 690000.00 * |
|                  |          |                             |                         | 12/08/87    |          | 11/19/87    |             | 11/19/87    |             | 700000.00 * |
|                  | 12/08/87 | 12/08/87                    | 680000.00 *             |             |          |             |             |             |             |             |
| PU-238           | PCI/L    | 17.00                       | 5000.00                 |             | NR       | 07/20/87    | NR          | 07/20/87    | NR          |             |
|                  |          |                             |                         |             |          | 08/13/87    |             | 08/13/87    |             |             |
|                  |          |                             |                         |             |          | 09/10/87    |             | 09/15/87    |             |             |
|                  |          |                             |                         |             |          | 10/12/87    |             | 10/12/87    |             |             |
|                  |          |                             |                         |             |          | 11/19/87    |             | 11/19/87    |             |             |
|                  |          |                             |                         |             |          | 12/08/87    |             | 12/08/87    |             |             |
| PU39-40          | PCI/L    | 17.00                       | 5000.00                 |             | NR       | 07/20/87    | NR          | 07/20/87    | NR          |             |
|                  |          |                             |                         |             |          | 08/13/87    |             | 08/13/87    |             |             |
|                  |          |                             |                         |             |          | 09/10/87    |             | 09/15/87    |             |             |
|                  |          |                             |                         |             |          | 10/12/87    |             | 10/12/87    |             |             |
|                  |          |                             |                         |             |          | 11/19/87    |             | 11/19/87    |             |             |
|                  |          |                             |                         |             |          | 12/08/87    |             | 12/08/87    |             |             |
| RU-106           | PCI/L    | 172.50                      | 30.00                   | 08/18/87    | NR       | 07/20/87    | NR          | 07/20/87    | NR          |             |
|                  |          |                             |                         |             |          | 08/13/87    |             | 08/13/87    |             |             |
|                  |          |                             |                         |             |          | 09/10/87    |             | 09/15/87    |             |             |
|                  |          |                             |                         |             |          | 10/12/87    |             | 10/12/87    |             |             |
|                  |          |                             |                         |             |          | 11/19/87    |             | 11/19/87    |             |             |
|                  | 12/08/87 | 12/08/87                    |                         |             |          |             |             |             |             |             |
| TC-99            | PCI/L    | 15.00                       | 900.00                  |             | NR       | 12/08/87    | 1330.00 *   | 09/15/87    | 10700.00 *  |             |
|                  |          |                             |                         |             |          |             |             | { 9.58 }    |             | { 25.10 }   |

C.417

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

C.418

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W19-21 | SAMPLE DATE | 2-W19-23    | SAMPLE DATE | 2-W19-25                |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|-------------|-------------|-------------------------|
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR       |             | NR          | 12/08/87    | 13800.00 *<br>{ 29.60 } |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/10/87    |          | 07/20/87    | 1170.00     | 07/20/87    | 1720.00                 |
|                  |       |                             |                         | 09/16/87    |          | 08/13/87    | { 228.00 }  | 08/13/87    | { 242.00 }              |
|                  |       |                             |                         | 10/12/87    |          | 09/16/87    | { 243.00 }  | 09/16/87    | { 258.00 }              |
|                  |       |                             |                         | 11/11/87    |          | 10/12/87    | { 1090.00 } | 10/12/87    | { 1850.00 }             |
|                  |       |                             |                         | 12/08/87    |          | 11/19/87    | { 235.00 }  | 11/19/87    | { 254.00 }              |
|                  |       |                             |                         |             | NR       | 12/08/87    | { 847.00 }  | 12/08/87    | { 1700.00 }             |
|                  |       |                             |                         |             |          |             | { 229.00 }  |             | { 251.00 }              |
|                  |       |                             |                         |             |          |             | { 1010.00 } |             | { 1570.00 }             |
|                  |       |                             |                         |             |          |             | { 190.00 }  |             | { 205.00 }              |
|                  |       |                             |                         |             |          |             | { 857.00 }  |             | { 2500.00 }             |
|                  |       |                             |                         |             |          |             | { 100.00 }  |             | { 228.00 }              |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR       | 07/20/87    | 74.70 *     | 07/20/87    | 135.00 *                |
|                  |       |                             |                         |             | NR       | 08/13/87    | { 0.79 }    | 08/13/87    | { 3.20 }                |
|                  |       |                             |                         |             | NR       | 09/16/87    | 07.00 *     | 09/16/87    | 124.00 *                |
|                  |       |                             |                         |             | NR       | 10/12/87    | { 7.04 }    | 10/12/87    | { 9.04 }                |
|                  |       |                             |                         |             | NR       | 11/19/87    | 73.00 *     | 11/19/87    | 120.00 *                |
|                  |       |                             |                         |             | NR       | 12/08/87    | { 2.40 }    | 12/08/87    | { 3.11 }                |
|                  |       |                             |                         |             | NR       |             | 02.10 *     |             | 110.00 *                |
|                  |       |                             |                         |             | NR       |             | { 2.51 }    |             | { 3.00 }                |
|                  |       |                             |                         |             | NR       |             | 08.50 *     |             | 109.00 *                |
|                  |       |                             |                         |             | NR       |             | { 2.43 }    |             | { 3.03 }                |
|                  |       |                             |                         |             | NR       |             | 08.20 *     |             | 132.00 *                |
|                  |       |                             |                         |             |          |             | { 2.50 }    |             | { 3.95 }                |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR       | 07/20/87    | 3.57        | 07/20/87    | 5.71                    |
|                  |       |                             |                         |             | NR       | 08/13/87    | { 0.17 }    | 08/13/87    | { 0.88 }                |
|                  |       |                             |                         |             | NR       | 09/16/87    | 1.03        | 09/16/87    | 0.18                    |
|                  |       |                             |                         |             | NR       | 10/12/87    | { 1.10 }    | 10/12/87    | { 2.47 }                |
|                  |       |                             |                         |             | NR       | 11/19/87    | 2.34        | 11/19/87    | 5.61                    |
|                  |       |                             |                         |             | NR       |             | { 0.43 }    |             | { 0.67 }                |
|                  |       |                             |                         |             | NR       |             | 5.05        |             | 4.29                    |
|                  |       |                             |                         |             | NR       |             | { 0.77 }    |             | { 0.50 }                |
|                  |       |                             |                         |             | NR       |             | 3.71        |             | 0.80                    |
|                  |       |                             |                         |             |          |             | { 0.57 }    |             | { 0.70 }                |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

C:419

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W19-21    |       | 2-W19-23    |                    | 2-W19-25    |                     |
|------------------|-------|-----------------------------|-------------------------|-------------|-------|-------------|--------------------|-------------|---------------------|
|                  |       |                             |                         | SAMPLE DATE | VALUE | SAMPLE DATE | VALUE              | SAMPLE DATE | VALUE               |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR    | 12/08/87    | 3.01<br>{ 0.54}    | 12/08/87    | 6.37<br>{ 0.87}     |
| U 238            | PCI/L | 0.10                        | 4.00                    |             | NR    | 07/20/87    | 74.10 *            | 07/20/87    | 137.00 *            |
|                  |       |                             |                         |             | NR    | 08/13/87    | { 0.79}<br>59.50 * | 08/13/87    | { 3.24}<br>133.00 * |
|                  |       |                             |                         |             | NR    | 09/16/87    | { 0.81}<br>69.00 * | 09/15/87    | { 9.95}<br>123.00 * |
|                  |       |                             |                         |             | NR    | 10/12/87    | { 2.34}<br>81.30 * | 10/12/87    | { 3.15}<br>120.00 * |
|                  |       |                             |                         |             | NR    | 11/19/87    | { 2.49}<br>68.90 * | 11/19/87    | { 3.05}<br>116.00 * |
|                  |       |                             |                         |             | NR    | 12/08/87    | { 2.40}<br>71.10 * | 12/08/87    | { 3.13}<br>138.00 * |
|                  |       |                             |                         |             | NR    |             | { 2.62}            |             | { 4.64}             |
| U-238            | PCI/L | 0.10                        | 500.00                  |             | NR    |             | NR                 | 09/15/87    | 1.70<br>{ 0.39}     |
| U-CHEM           | UQ/L  | 0.73                        |                         | 08/18/87    | 25.10 | 07/20/87    | 100.00             | 07/20/87    | 301.00              |
|                  |       |                             |                         | 09/16/87    | 26.00 | 08/13/87    | 195.00             | 08/13/87    | 384.00              |
|                  |       |                             |                         | 10/12/87    | 26.00 | 09/16/87    | 212.00             | 09/15/87    | 360.00              |
|                  |       |                             |                         | 11/11/87    | 24.20 | 10/12/87    | 200.00             | 10/12/87    | 411.00              |
|                  |       |                             |                         | 12/08/87    | 20.20 | 11/19/87    | 217.00             | 11/19/87    | 374.00              |
|                  |       |                             |                         |             | NR    | 12/08/87    | 198.00             | 12/08/87    | 375.00              |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 2-W19-26    |           | 2-W19-27    |          | 2-W21-1     |       |
|------------------|----------|-----------------------------|-------------------------|-------------|-----------|-------------|----------|-------------|-------|
|                  |          |                             |                         | SAMPLE DATE | VALUE     | SAMPLE DATE | VALUE    | SAMPLE DATE | VALUE |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/20/87    | 125.00 *  | 07/01/87    | 8.51     |             | NR    |
|                  |          |                             |                         |             | { 4.87 }  |             | { 1.23 } |             |       |
|                  |          |                             |                         | 08/13/87    | 114.00 *  | 08/18/87    | 8.53     |             | NR    |
|                  |          |                             |                         |             | { 10.40 } |             | { 1.24 } |             |       |
|                  |          |                             |                         | 11/19/87    | 142.00 *  | 09/16/87    | 10.40    |             | NR    |
|                  |          |                             |                         |             | { 11.30 } |             | { 1.34 } |             |       |
|                  |          |                             |                         | 12/08/87    | 166.00 *  | 10/12/87    | 8.61     |             | NR    |
|                  |          |                             |                         |             | { 12.70 } |             | { 1.22 } |             |       |
|                  |          |                             | NR                      | 11/11/87    | 9.54      |             | NR       |             |       |
|                  |          |                             | NR                      |             | { 1.31 }  |             |          |             |       |
|                  |          |                             |                         | 12/08/87    | 9.14      |             | NR       |             |       |
|                  |          |                             |                         |             | { 1.28 }  |             |          |             |       |
| BETA             | PCI/L    | 6.00                        | 50.00                   | 07/20/87    | 104.00 *  | 07/01/87    | 15.20    |             | NR    |
|                  |          |                             |                         |             | { 7.97 }  |             | { 2.79 } |             |       |
|                  |          |                             |                         | 08/13/87    | 222.00 *  | 08/18/87    | 19.20    |             | NR    |
|                  |          |                             |                         |             | { 30.10 } |             | { 3.01 } |             |       |
|                  |          |                             |                         | 11/19/87    | 372.00 *  | 09/16/87    | 11.60    |             | NR    |
|                  |          |                             |                         |             | { 38.90 } |             | { 2.34 } |             |       |
|                  |          |                             |                         | 12/08/87    | 383.00 *  | 10/12/87    | 17.70    |             | NR    |
|                  |          |                             |                         |             | { 38.80 } |             | { 2.83 } |             |       |
|                  |          |                             | NR                      | 11/11/87    | 13.00     |             | NR       |             |       |
|                  |          |                             | NR                      |             | { 2.49 }  |             |          |             |       |
|                  |          |                             |                         | 12/08/87    | 17.20     |             | NR       |             |       |
|                  |          |                             |                         |             | { 2.87 }  |             |          |             |       |
| CO-60            | PCI/L    | 22.50                       | 100.00                  | 07/20/87    |           | 07/01/87    |          | 09/17/87    |       |
|                  |          |                             |                         | 08/13/87    | 3.51      | 08/18/87    |          |             | NR    |
|                  |          |                             |                         |             | { 2.40 }  |             |          |             |       |
|                  |          |                             |                         | 11/19/87    | 4.56      | 09/16/87    |          |             | NR    |
|                  |          |                             |                         |             | { 3.04 }  |             |          |             |       |
| 12/08/87         | 8.00     | 10/12/87                    |                         |             | NR        |             |          |             |       |
|                  | { 5.71 } |                             |                         |             |           |             |          |             |       |
|                  |          |                             | NR                      | 11/11/87    |           |             | NR       |             |       |
|                  |          |                             | NR                      | 12/08/87    |           |             | NR       |             |       |
| CS-137           | PCI/L    | 20.00                       | 200.00                  | 07/20/87    |           | 07/01/87    |          | 09/17/87    |       |
|                  |          |                             |                         | 08/13/87    |           | 08/18/87    |          |             | NR    |

C.420

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |              | SAMPLE DATE |          | SAMPLE DATE |             |
|------------------|------------|-----------------------------|-------------------------|-------------|--------------|-------------|----------|-------------|-------------|
|                  |            |                             |                         | 2-W19-28    | 2-W19-27     | 2-W19-27    | 2-W21-1  |             |             |
| CS-137           | PCI/L      | 20.00                       | 200.00                  | 11/19/87    | 3.97         | 09/16/87    |          |             | NR          |
|                  |            |                             |                         |             | { 3.08 }     |             |          |             |             |
|                  |            |                             |                         | 12/08/87    | 3.01         |             |          |             |             |
|                  |            |                             |                         |             | { 3.11 }     |             |          |             |             |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
| HNITRAT          | PPB        | 2500.00                     | 45000.00                | 07/20/87    | 621000.00 *  | 07/01/87    | 3440.00  | 09/17/87    | 38200.00    |
|                  |            |                             |                         | 08/13/87    | 717000.00 *  | 08/18/87    |          |             | NR          |
|                  |            |                             |                         | 11/19/87    | 927000.00 *  | 09/16/87    | 2970.00  |             | NR          |
|                  |            |                             |                         | 12/08/87    | 1200000.00 * | 10/12/87    | 3800.00  |             | NR          |
|                  |            |                             |                         |             | NR           | 11/11/87    | 3750.00  |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
| RU-106           | PCI/L      | 172.50                      | 30.00                   | 07/20/87    |              | 07/01/87    |          | 09/17/87    |             |
|                  |            |                             |                         | 08/13/87    |              | 08/18/87    |          |             | NR          |
|                  |            |                             |                         | 11/19/87    |              | 09/16/87    |          |             | NR          |
|                  |            |                             |                         | 12/08/87    |              | 10/12/87    |          |             | NR          |
|                  |            |                             |                         |             | NR           | 11/11/87    | 53.00 *  |             | NR          |
|                  |            |                             |                         |             | { 52.00 }    |             |          |             | NR          |
|                  |            |                             |                         |             | NR           |             |          |             | NR          |
| TC-99            | PCI/L      | 15.00                       | 900.00                  | 12/08/87    | 1800.00 *    |             | NR       |             | NR          |
|                  |            |                             |                         |             | { 10.00 }    |             |          |             |             |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 07/20/87    | 1510.00      | 07/01/87    |          | 09/17/87    | 115000.00 * |
|                  |            |                             |                         |             | { 237.00 }   |             |          |             | { 1300.00 } |
|                  |            |                             |                         | 08/13/87    | 1320.00      | 08/18/87    |          |             | NR          |
|                  |            |                             |                         |             | { 250.00 }   | 09/16/87    |          |             | NR          |
|                  |            |                             |                         | 11/19/87    | 1330.00      | 10/12/87    |          |             | NR          |
|                  | { 199.00 } |                             |                         |             | NR           |             |          |             |             |
|                  |            | 1400.00                     |                         |             | NR           |             |          |             |             |
|                  |            | { 202.00 }                  |                         |             | NR           |             |          |             |             |
|                  |            | NR                          |                         |             | NR           |             |          |             |             |
|                  |            |                             |                         |             | NR           |             |          |             |             |
| U 234            | PCI/L      | 0.10                        | 32.00                   | 07/20/87    | 50.00 *      | 07/01/87    | 4.49     |             | NR          |
|                  |            |                             |                         |             | { 0.08 }     |             | { 0.19 } |             |             |
|                  |            |                             |                         | 08/13/87    | 02.20 *      | 08/18/87    | 4.54     |             | NR          |
|                  |            |                             |                         |             | { 0.05 }     |             | { 0.21 } |             |             |

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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.421

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | SAMPLE DATE |          | SAMPLE DATE | 2-W21-1 |  |
|------------------|----------|-----------------------------|-------------------------|-------------|-------------|----------|-------------|---------|--|
|                  |          |                             |                         |             | 2-W19-26    | 2-W19-27 |             |         |  |
| U 234            | PCI/L    | 0.10                        | 32.00                   | 11/19/87    | 79.90 *     | 09/16/87 | 4.96        | NR      |  |
|                  |          |                             |                         |             | { 2.45 }    |          | { 0.21 }    |         |  |
|                  |          |                             |                         | 12/08/87    | 78.70 *     | 10/12/87 | 4.15        | NR      |  |
|                  |          |                             |                         |             | { 2.65 }    |          | { 0.19 }    |         |  |
|                  |          |                             |                         |             | NR          | 11/11/87 | 4.95        | NR      |  |
|                  |          |                             | NR                      | 12/08/87    | { 0.21 }    | 4.64     | NR          |         |  |
|                  |          |                             |                         |             | { 0.23 }    |          |             |         |  |
| U 235            | PCI/L    | 0.10                        | 32.00                   | 07/20/87    | 2.43        | 07/01/87 | 0.32        | NR      |  |
|                  |          |                             |                         |             | { 0.14 }    |          | { 0.05 }    |         |  |
|                  |          |                             |                         | 08/13/87    | 1.30        | 08/18/87 | 0.19        | NR      |  |
|                  |          |                             |                         |             | { 1.00 }    |          | { 0.04 }    |         |  |
|                  |          |                             |                         | 11/19/87    | 2.78        | 09/16/87 | 0.16        | NR      |  |
|                  | { 0.46 } |                             | { 0.04 }                |             |             |          |             |         |  |
|                  |          | 12/08/87                    | 8.43                    | 10/12/87    | 0.17        | NR       |             |         |  |
|                  |          |                             | { 0.87 }                |             | { 0.04 }    |          | NR          |         |  |
|                  |          |                             | NR                      | 11/11/87    | 0.21        | NR       |             |         |  |
|                  |          |                             |                         |             | { 0.04 }    |          |             |         |  |
|                  |          |                             |                         |             | 0.34        |          | NR          |         |  |
|                  |          |                             |                         |             | { 0.06 }    |          |             |         |  |
| U 236            | PCI/L    | 0.10                        | 4.00                    | 07/20/87    | 59.90 *     | 07/01/87 | 4.20        | NR      |  |
|                  |          |                             |                         |             | { 0.70 }    |          | { 0.19 }    |         |  |
|                  |          |                             |                         | 08/13/87    | 61.40 *     | 08/18/87 | 4.86 *      | NR      |  |
|                  |          |                             |                         |             | { 0.81 }    |          | { 0.22 }    |         |  |
|                  |          |                             |                         | 11/19/87    | 78.70 *     | 09/16/87 | 4.77        | NR      |  |
|                  | { 2.43 } |                             | { 0.20 }                |             |             |          |             |         |  |
|                  |          | 12/08/87                    | 82.50 *                 | 10/12/87    | 3.95        | NR       |             |         |  |
|                  |          |                             | { 2.71 }                |             | { 0.18 }    |          |             |         |  |
|                  |          |                             | NR                      | 11/11/87    | 4.70        | NR       |             |         |  |
|                  |          |                             |                         |             | { 0.21 }    |          |             |         |  |
|                  |          |                             |                         |             | 4.73        |          | NR          |         |  |
|                  |          |                             |                         |             | { 0.23 }    |          |             |         |  |
| U-236            | PCI/L    | 0.10                        | 500.00                  |             | NR          | 09/16/87 | 0.02        | NR      |  |
|                  |          |                             |                         |             |             |          | { 0.01 }    |         |  |
| U-CHEM           | UG/L     | 0.73                        |                         | 07/20/87    | 159.00      | 07/01/87 | 12.10       | NR      |  |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.422

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 2-W19-26       |        | 2-W19-27       |       | 2-W21-1        |    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|--------|----------------|-------|----------------|----|
|                     |       |                                   |                               | SAMPLE<br>DATE |        | SAMPLE<br>DATE |       | SAMPLE<br>DATE |    |
| U-CHEM              | UG/L  | 0.73                              |                               | 08/13/87       | 196.00 | 08/18/87       | 11.60 |                | NR |
|                     |       |                                   |                               | 11/19/87       | 245.00 | 09/16/87       | 13.00 |                | NR |
|                     |       |                                   |                               | 12/08/87       | 222.00 | 10/12/87       | 12.60 |                | NR |
|                     |       |                                   |                               |                | NR     | 11/11/87       | 12.00 |                | NR |
|                     |       |                                   |                               |                | NR     | 12/08/87       | 10.90 |                | NR |

C.423

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W22-7                    | SAMPLE DATE | 2-W22-9                      | SAMPLE DATE | 2-W22-10                        |
|------------------|-------|-----------------------------|-------------------------|-------------|----------------------------|-------------|------------------------------|-------------|---------------------------------|
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR                         |             | NR                           | 09/23/87    | 81.00 *                         |
|                  |       |                             |                         |             | NR                         |             | NR                           | 11/01/87    | { 5.81 }<br>65.50 *<br>{ 5.21 } |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/17/87    | 5.00<br>{ 5.00 }<br>NR     | 09/17/87    | NR                           | 09/23/87    | 7.04<br>{ 8.30 }                |
|                  |       |                             |                         |             | NR                         |             | NR                           | 11/01/87    |                                 |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/17/87    |                            | 09/17/87    | 8.05<br>{ 4.28 }             | 09/23/87    |                                 |
|                  |       |                             |                         |             | NR                         |             | NR                           | 11/01/87    |                                 |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/17/87    |                            | 09/17/87    | 7320.00                      |             | NR                              |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 09/17/87    |                            | 09/17/87    |                              | 09/23/87    | 51.70 *<br>{ 39.10 }            |
|                  |       |                             |                         |             | NR                         |             | NR                           | 11/01/87    |                                 |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 09/17/87    |                            | 09/17/87    |                              | 09/23/87    | 27.60 *<br>{ 2.74 }             |
|                  |       |                             |                         |             | NR                         |             | NR                           | 11/01/87    | 32.00 *<br>{ 2.92 }             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/17/87    | 344000.00 *<br>{ 2210.00 } | 09/17/87    | 7730000.00 *<br>{ 12400.00 } | 09/23/87    | 130000.00 *<br>{ 1300.00 }      |
| U                | PCI/L | 0.50                        | 500.00                  | 09/17/87    | 0.02                       | 09/17/87    | 4.25                         | 09/23/87    | 0.51                            |

C.424

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.425

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W22-18                            |          | 2-W22-21                               |          | 2-W23-1   |       |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------------------------------|----------|--|----------|---|-------|
|                  |       |                             |                         |             | SAMPLE DATE                         | VALUE    | SAMPLE DATE                            | VALUE    | SAMPLE DATE   | VALUE |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/23/87    | 1.89                                | 09/17/87 | 18.70 *                                |          |   | NR    |
|                  |       |                             |                         | 11/01/87    | { 0.83 }<br>1.45<br>{ 0.54 }        | 12/01/87 | { 1.79 }<br>15.50 *<br>{ 1.61 }        |          |   | NR    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/23/87    | 21.50                               | 09/17/87 | 198.00 *                               | 07/01/87 | 487.00 *  |       |
|                  |       |                             |                         | 11/01/87    | { 3.13 }<br>13.70<br>{ 2.66 }<br>NR | 12/01/87 | { 9.27 }<br>185.00 *<br>{ 8.80 }<br>NR | 09/22/87 | { 14.60 }<br>122.00 *<br>{ 15.10 }<br>37.00<br>{ 9.04 } |       |
|                  |       |                             |                         |             | NR                                  |          |  | 12/01/87 |   |       |
| C 14             | PCI/L |                             |                         |             | NR                                  | 09/17/87 | 7.03 0<br>{ 2.09 }                     |          |   | NR    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 09/23/87    |                                     | 09/17/87 |  | 07/01/87 |   |       |
|                  |       |                             |                         | 11/01/87    |                                     |          | NR                                     | 09/22/87 | 7.33<br>{ 5.99 }  |       |
|                  |       |                             |                         |             | NR                                  |          | NR                                     | 12/01/87 | 5.84<br>{ 5.04 }  |       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR                                  | 09/17/87 | 13000.00                               | 07/01/87 | 23800.00  |       |
|                  |       |                             |                         |             | NR                                  | 12/01/87 | 11200.00                               | 09/22/87 | 8040.00   |       |
|                  |       |                             |                         |             | NR                                  |          | NR                                     | 12/01/87 | 3260.00   |       |
| I-129            | PCI/L |                             | 500.00                  |             | NR                                  | 09/17/87 | 2.72 0<br>{ 1.12 }                     |          |   | NR    |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 09/23/87    | 40.20 *<br>{ 30.40 }                | 09/17/87 |  | 07/01/87 |   |       |
|                  |       |                             |                         | 11/01/87    | NR                                  |          | NR                                     | 09/22/87 |   |       |
|                  |       |                             |                         |             | NR                                  |          | NR                                     | 12/01/87 |   |       |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR                                  | 09/17/87 | 906.00 *<br>{ 5.37 }                   | 09/22/87 | 380.00<br>{ 4.23 }                                      |       |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR                                  |          | NR                                     | 09/22/87 | 580.00<br>{ 213.00 }                                    |       |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE | SAMPLE<br>DATE |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|----------------|----------------|
|                     |       |                                   |                               | 2-W22-18       | 2-W22-21       | 2-W22-21       | 2-W23-1        |
| U                   | PCI/L | 0.50                              | 600.00                        | NR             | NR             | 09/22/87       | 7.14           |
| U-CHEM              | UG/L  | 0.73                              |                               | NR             | 09/17/87       | 20.20          | NR             |
|                     |       |                                   |                               | NR             | 12/01/87       | 23.20          | NR             |

C.426

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W23-2                | SAMPLE DATE | 2-W23-3              | SAMPLE DATE | 2-W23-4                         |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------------|-------------|----------------------|-------------|---------------------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR                     |             | NR                   | 09/23/87    | 14.00                           |
|                  |       |                             |                         |             | NR                     |             | NR                   | 11/01/87    | { 1.56 }<br>24.20 +<br>{ 2.00 } |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/01/87    | 1090.00 +<br>{ 43.00 } | 09/22/87    | 143.00 +<br>{ 7.05 } |             | NR                              |
|                  |       |                             |                         | 09/22/87    | 829.00 +<br>{ 19.00 }  | 12/01/87    | 114.00 +<br>{ 0.92 } |             | NR                              |
|                  |       |                             |                         | 12/01/87    | 1440.00 +<br>{ 50.00 } |             | NR                   |             | NR                              |
|                  |       |                             |                         | 12/28/87    | 1270.00 +<br>{ 47.20 } |             | NR                   |             | NR                              |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/01/87    |                        | 09/22/87    |                      | 09/23/87    |                                 |
|                  |       |                             |                         | 09/22/87    | 8.45<br>{ 8.90 }       | 12/01/87    | 8.02<br>{ 5.56 }     |             | NR                              |
|                  |       |                             |                         | 12/01/87    |                        |             | NR                   |             | NR                              |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/01/87    | 28700.00               | 09/22/87    | 7600.00              | 09/23/87    |                                 |
|                  |       |                             |                         | 09/22/87    | 30400.00               | 12/01/87    | 7340.00              |             | NR                              |
|                  |       |                             |                         | 12/01/87    | 34700.00               |             | NR                   |             | NR                              |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 12/28/87    | 5420.00 *<br>{ 13.00 } |             | NR                   |             | NR                              |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR                     |             | NR                   | 09/23/87    | 700.00<br>{ 220.00 }            |
| U                | PCI/L | 0.50                        | 600.00                  | 09/22/87    | 3.95                   |             | NR                   |             | NR                              |
|                  |       |                             |                         | 09/22/87    | 4.15                   |             | NR                   |             | NR                              |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR                     |             | NR                   | 09/23/87    | 8.44<br>{ 0.27 }                |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR                     |             | NR                   | 09/23/87    | 0.30<br>{ 0.05 }                |
| U 238            | PCI/L | 0.10                        | 4.00                    |             | NR                     |             | NR                   | 09/23/87    | 8.42 *<br>{ 0.27 }              |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.427

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |         | SAMPLE DATE |         |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|---------|-------------|---------|
|                     |       |                                   |                               | 2-W23-2     | 2-W23-3 | 2-W23-3     | 2-W23-4 |
| U-CHEM              | UG/L  | 0.73                              |                               | NR          |         | NR          |         |
|                     |       |                                   |                               | NR          |         | NR          |         |
|                     |       |                                   |                               |             |         | 09/23/87    | 23.20   |
|                     |       |                                   |                               |             |         | 11/01/87    | 26.30   |

C.428

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W23-7   | SAMPLE DATE | 2-W23-9     | SAMPLE DATE | 2-W23-11 |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|-------------|-------------|----------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR        | 07/24/87    | 27.00 +     | 07/24/87    | 18.20 +  |
|                  |       |                             |                         |             | NR        | 08/19/87    | { 2.21 }    | 08/18/87    | { 1.76 } |
|                  |       |                             |                         |             | NR        | 09/16/87    | { 1.59 }    | 09/18/87    | { 1.80 } |
|                  |       |                             |                         |             | NR        | 10/13/87    | { 1.99 }    | 10/13/87    | { 1.96 } |
|                  |       |                             |                         |             | NR        | 11/17/87    | { 1.83 }    | 11/17/87    | { 1.92 } |
|                  |       |                             |                         |             | NR        | 12/11/87    | { 1.76 }    | 12/08/87    | { 1.93 } |
|                  |       |                             |                         |             | NR        |             | { 2.20 }    |             | { 2.00 } |
| BETA             | PCI/L | 8.00                        | 50.00                   | 12/28/87    | 808.00 +  | 07/24/87    | 12.50       | 07/24/87    | 8.83     |
|                  |       |                             |                         |             | { 18.70 } |             | { 2.80 }    |             | { 2.15 } |
|                  |       |                             |                         |             | NR        | 08/19/87    | 9.94        | 08/18/87    | 8.09     |
|                  |       |                             |                         |             | NR        | 09/16/87    | { 2.45 }    | 09/16/87    | { 2.10 } |
|                  |       |                             |                         |             | NR        | 10/13/87    | { 2.88 }    | 10/13/87    | { 2.04 } |
|                  |       |                             |                         |             | NR        | 11/17/87    | { 2.27 }    | 11/17/87    | { 2.08 } |
|                  |       |                             |                         |             | NR        | 12/11/87    | { 2.21 }    | 12/08/87    | { 1.97 } |
|                  |       |                             |                         |             | NR        |             | { 2.32 }    |             | { 2.09 } |
| CO-60            | PCI/L | 22.50                       | 100.00                  |             | NR        | 07/24/87    | 0.11        | 07/24/87    |          |
|                  |       |                             |                         |             | NR        | 08/19/87    | { 5.47 }    | 10/13/87    |          |
|                  |       |                             |                         |             | NR        | 09/16/87    |             |             | NR       |
|                  |       |                             |                         |             | NR        | 10/13/87    |             |             | NR       |
|                  |       |                             |                         |             | NR        | 11/17/87    |             |             | NR       |
|                  |       |                             |                         |             | NR        | 12/11/87    |             |             | NR       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR        | 07/24/87    | 469000.00 * | 07/24/87    | 2750.00  |
|                  |       |                             |                         |             | NR        | 08/19/87    | 265000.00 * | 08/18/87    |          |
|                  |       |                             |                         |             | NR        | 09/16/87    | 262000.00 * | 09/16/87    |          |
|                  |       |                             |                         |             | NR        | 10/13/87    | 142000.00 * | 10/13/87    |          |

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 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.429

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W23-7   |  | 2-W23-9  |              | 2-W23-11 |             |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|--|----------|--------------|----------|-------------|
|                  |       |                             |                         |             |           |  |          |              |          |             |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR        |  | 11/17/87 | 82800.00 *   | 11/17/87 |             |
|                  |       |                             |                         |             | NR        |  | 12/11/87 | 77100.00 *   | 12/08/87 |             |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 09/22/87    | 2480.00 * |  |          | NR           |          | NR          |
|                  |       |                             |                         | 12/28/87    | { 12.70 } |  |          | NR           |          | NR          |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR        |  | 07/24/87 | 1490000.00 * | 07/24/87 | 2710.00     |
|                  |       |                             |                         |             | NR        |  | 08/19/87 | { 10100.00 } | 08/18/87 | { 1080.00 } |
|                  |       |                             |                         |             | NR        |  | 09/18/87 | { 4360.00 }  | 09/18/87 | { 253.00 }  |
|                  |       |                             |                         |             | NR        |  | 10/13/87 | { 4630.00 }  | 10/13/87 | { 250.00 }  |
|                  |       |                             |                         |             | NR        |  | 11/17/87 | { 3670.00 }  | 11/17/87 | { 232.00 }  |
|                  |       |                             |                         |             | NR        |  | 12/11/87 | { 2890.00 }  | 12/08/87 | { 190.00 }  |
|                  |       |                             |                         |             | NR        |  |          | { 2850.00 }  |          | { 190.00 }  |
| U 234            | PCI/L | 0.10                        | 32.00                   |             | NR        |  | 07/24/87 | 13.20        | 07/24/87 | 0.90        |
|                  |       |                             |                         |             |           |  | { 0.32 } |              | { 0.29 } |             |
| U 235            | PCI/L | 0.10                        | 32.00                   |             | NR        |  | 07/24/87 | 0.53         | 07/24/87 | 0.35        |
|                  |       |                             |                         |             |           |  | { 0.06 } |              | { 0.05 } |             |
| U 238            | PCI/L | 0.10                        | 4.00                    |             | NR        |  | 07/24/87 | 13.00 *      | 07/24/87 | 10.10 *     |
|                  |       |                             |                         |             |           |  | { 0.32 } |              | { 0.29 } |             |
| U-CHEM           | UG/L  | 0.73                        |                         |             | NR        |  | 07/24/87 | 33.90        | 07/24/87 | 10.00       |
|                  |       |                             |                         |             | NR        |  | 08/19/87 | 26.90        | 08/18/87 | 25.00       |
|                  |       |                             |                         |             | NR        |  | 09/18/87 | 30.70        | 09/18/87 | 22.30       |
|                  |       |                             |                         |             | NR        |  | 10/13/87 | 31.00        | 10/13/87 | 23.10       |
|                  |       |                             |                         |             | NR        |  | 11/17/87 | 29.20        | 11/17/87 | 19.50       |
|                  |       |                             |                         |             | NR        |  | 12/11/87 | 28.30        | 12/08/87 | 23.10       |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.430

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 2-W28-3 | SAMPLE DATE | 2-W28-6   | SAMPLE DATE | 3-2-2     |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|-----------|-------------|-----------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/23/87    | 1.21    | 09/23/87    | 0.62      |             | NR        |
|                  |       |                             |                         | 11/01/87    | { 0.50} | 11/01/87    | { 0.40}   |             | NR        |
|                  |       |                             |                         |             | { 1.70} |             | { 0.63}   |             |           |
|                  |       |                             |                         |             | { 0.59} |             | { 0.40}   |             |           |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/23/87    | 2.13    | 09/23/87    | 6.63      |             | NR        |
|                  |       |                             |                         | 11/01/87    | { 1.39} | 11/01/87    | { 1.97}   |             | NR        |
|                  |       |                             |                         |             | { 5.85} |             | { 3.87}   |             |           |
|                  |       |                             |                         |             | { 1.81} |             | { 1.59}   |             |           |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR      | 09/23/87    | 7.12      | 07/22/87    |           |
|                  |       |                             |                         |             | NR      | 11/01/87    | { 4.50}   | 10/20/87    |           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/23/87    |         | 09/23/87    | 2840.00   | 07/22/87    | 4030.00   |
|                  |       |                             |                         | 11/01/87    |         | 11/01/87    | 3160.00   | 10/20/87    | 3190.00   |
| RU-108           | PCI/L | 172.50                      | 30.00                   |             | NR      | 09/23/87    |           | 07/22/87    | 59.00 *   |
|                  |       |                             |                         |             | NR      | 11/01/87    |           | 10/20/87    | { 35.90}  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/23/87    |         | 09/23/87    | 370.00    | 07/22/87    | 317.00    |
|                  |       |                             |                         | 11/01/87    |         | 11/01/87    | { 200.00} | 10/20/87    | { 180.00} |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR      |             | NR        | 07/22/87    | 13.10     |
|                  |       |                             |                         |             | NR      |             | NR        | 10/20/87    | 17.90     |
| U-CHEM           | UG/L  | 0.73                        |                         | 09/23/87    | 1.32    |             | NR        |             | NR        |
|                  |       |                             |                         | 11/01/87    | 1.24    |             | NR        |             | NR        |

C.431

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
+ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |            |
|---------------------|-------|-----------------------------------|-------------------------------|-------------|------------|-------------|------------|-------------|------------|
|                     |       |                                   |                               | 3-2-3       | 3-3-1      | 3-3-1       | 3-3-2      |             |            |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 07/22/87    | 7260.00    | 07/21/87    | 11700.00   | 07/21/87    | 11300.00   |
|                     |       |                                   |                               | 10/20/87    | 9320.00    | 10/15/87    | 10100.00   | 10/20/87    | 12100.00   |
| RU-108              | PCI/L | 172.50                            | 30.00                         | 07/22/87    | 45.50 *    | 07/21/87    |            | 07/21/87    |            |
|                     |       |                                   |                               | 10/20/87    |            | { 32.20 }   |            | 10/16/87    |            |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 07/22/87    | 577.00     | 07/21/87    | 403.00     | 07/21/87    |            |
|                     |       |                                   |                               | 10/20/87    | { 176.00 } | 10/15/87    | { 170.00 } | 10/20/87    | { 220.00 } |
| U                   | PCI/L | 0.50                              | 800.00                        | 07/22/87    | 10.80      | 07/21/87    | 7.00       | 07/21/87    | 8.94       |
|                     |       |                                   |                               | 10/20/87    | 15.00      | 10/16/87    | 8.41       | 10/20/87    | 7.26       |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.432

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 3-3-3       |            | 3-3-6       |            | 3-3-9       |          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|----------|
|                  |       |                             |                         | SAMPLE DATE |            | SAMPLE DATE |            | SAMPLE DATE |          |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    |            | 07/21/87    | 7.02       | 07/21/87    |          |
|                  |       |                             |                         | 10/20/87    |            | 10/20/87    | { 6.20 }   | 10/19/87    |          |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/23/87    | 5.13       | 07/21/87    |            | 07/21/87    |          |
|                  |       |                             |                         | 10/20/87    | { 4.19 }   | 10/20/87    | { 8.27 }   | 10/19/87    |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87    | 11700.00   | 07/21/87    | 16300.00   | 07/21/87    | 10000.00 |
|                  |       |                             |                         | 10/20/87    | 10900.00   | 10/20/87    | 15900.00   | 10/19/87    | 10700.00 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    | 488.00     | 07/21/87    | 342.00     | 07/21/87    |          |
|                  |       |                             |                         | 10/20/87    | { 172.00 } | 10/20/87    | { 168.00 } | 10/19/87    | 722.00   |
| U                | PCI/L | 0.50                        | 800.00                  | 07/23/87    | 9.94       | 07/21/87    | 13.80      | 07/21/87    | 13.30    |
|                  |       |                             |                         | 10/20/87    | 8.48       | 10/20/87    | 9.98       | 10/19/87    | 17.40    |

C.433

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
# - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
- - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-3-11     |       | SAMPLE DATE | 3-3-12     |          | SAMPLE DATE | 3-4-9      |           |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------|-------------|------------|----------|-------------|------------|-----------|
|                  |       |                             |                         |             |            |       |             |            |          |             |            |           |
| CD-60            | PCI/L | 22.50                       | 100.00                  | 07/23/87    |            |       | 07/21/87    |            |          | 07/21/87    | 9.82       | { 7.42 }  |
|                  |       |                             |                         | 10/20/87    | 5.70       | 5.10  | 10/19/87    |            | 10/19/87 |             |            |           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/23/87    | 11800.00   |       | 07/21/87    | 12000.00   |          | 07/21/87    | 13400.00   |           |
|                  |       |                             |                         | 10/20/87    | 13000.00   |       | 10/19/87    | 10200.00   |          | 10/19/87    | 13700.00   |           |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 07/23/87    |            |       | 07/21/87    |            |          | 07/21/87    | 43.30 *    | { 35.40 } |
|                  |       |                             |                         | 10/20/87    | 79.40 *    | 44.00 | 10/19/87    |            | 10/19/87 |             |            |           |
| SR 90            | PCI/L | 5.00                        | 0.00                    | 07/23/87    | 6.24       |       | 07/21/87    |            |          | 07/21/87    |            |           |
|                  |       |                             |                         | 10/20/87    | 1.47       |       | 10/19/87    |            | 10/19/87 |             |            |           |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/23/87    | 1260.00    |       | 07/21/87    | 1940.00    |          | 07/21/87    | 346.00     |           |
|                  |       |                             |                         | 10/20/87    | { 195.00 } |       | 10/19/87    | { 213.00 } |          | 10/19/87    | { 168.00 } |           |
| U                | PCI/L | 0.50                        | 500.00                  | 07/23/87    | 26.30      |       | 07/21/87    | 26.50      |          | 07/21/87    | 25.90      |           |
|                  |       |                             |                         | 10/20/87    | 22.10      |       | 10/19/87    | 29.20      |          | 10/19/87    | 29.80      |           |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/23/87    | 13.90      |       | 07/21/87    | 14.10      |          | 07/21/87    | 15.80      |           |
|                  |       |                             |                         |             | { 0.33 }   |       |             | { 0.34 }   |          |             | { 0.36 }   |           |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/23/87    | 0.51       |       | 07/21/87    | 0.50       |          | 07/21/87    | 0.73       |           |
|                  |       |                             |                         |             | { 0.08 }   |       |             | { 0.06 }   |          |             | { 0.08 }   |           |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/23/87    | 13.20 *    |       | 07/21/87    | 13.10 *    |          | 07/21/87    | 15.70 *    |           |
|                  |       |                             |                         |             | { 0.32 }   |       |             | { 0.32 }   |          |             | { 0.36 }   |           |

C.434

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 3-4-10     |  | SAMPLE DATE | 3-5-1      |          |          |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|--|-------------|------------|----------|----------|
|                  |       |                             |                         |             |            |  |             |            |          |          |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/21/87    | 12900.00   |  | 07/23/87    | 59000.00 * | 07/22/87 | 27000.00 |
|                  |       |                             |                         | 10/19/87    | 12900.00   |  | 10/20/87    | 47500.00 * | 07/22/87 | 27000.00 |
|                  |       |                             |                         |             | NR         |  |             | NR         | 10/20/87 | 29200.00 |
|                  |       |                             |                         |             | NR         |  |             | NR         | 10/20/87 | 29200.00 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/21/87    | 850.00     |  | 07/23/87    |            | 07/22/87 |          |
|                  |       |                             |                         |             | { 184.00 } |  |             |            |          |          |
|                  |       |                             |                         | 10/19/87    | 1000.00    |  | 10/20/87    |            | 07/22/87 |          |
|                  |       |                             |                         |             | { 240.00 } |  |             |            |          |          |
|                  |       |                             |                         |             | NR         |  | 10/20/87    |            |          |          |
|                  |       |                             |                         |             | NR         |  | 10/20/87    |            |          |          |
| U                | PCI/L | 0.50                        | 800.00                  | 07/21/87    | 30.70      |  | 07/23/87    | 4.17       | 07/22/87 | 6.65     |
|                  |       |                             |                         | 10/19/87    | 30.30      |  | 10/20/87    | 3.60       | 07/22/87 | 4.38     |
|                  |       |                             |                         |             | NR         |  |             | NR         | 10/20/87 | 5.87     |
|                  |       |                             |                         |             | NR         |  |             | NR         | 10/20/87 | 5.48     |
| U 234            | PCI/L | 0.10                        | 32.00                   | 07/21/87    | 18.70      |  |             | NR         | NR       |          |
|                  |       |                             |                         |             | { 0.39 }   |  |             |            |          |          |
| U 235            | PCI/L | 0.10                        | 32.00                   | 07/21/87    | 0.74       |  |             | NR         | NR       |          |
|                  |       |                             |                         |             | { 0.08 }   |  |             |            |          |          |
| U 238            | PCI/L | 0.10                        | 4.00                    | 07/21/87    | 18.50 *    |  |             | NR         | NR       |          |
|                  |       |                             |                         |             | { 0.39 }   |  |             |            |          |          |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.435

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 3-8-4       |            | 4-S8-7      |                | 4-S8-8      |                |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|----------------|-------------|----------------|
|                  |       |                             |                         | SAMPLE DATE |            | SAMPLE DATE |                | SAMPLE DATE |                |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/22/87    |            | 07/28/87    | 6.89           | 07/28/87    |                |
|                  |       |                             |                         | 10/19/87    |            | 11/20/87    | { 5.44 }       | 11/20/87    |                |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/22/87    |            | 07/28/87    | 6.80           | 07/28/87    |                |
|                  |       |                             |                         | 10/19/87    |            | 11/20/87    | { 4.54 }       | 11/20/87    |                |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/22/87    | 22200.00   |             | NR             |             | NR             |
|                  |       |                             |                         | 10/19/87    | 21600.00   |             | NR             |             | NR             |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/22/87    |            | 07/28/87    | 14100.00       | 07/28/87    | 41000.00 *     |
|                  |       |                             |                         | 10/19/87    | { 450.00 } | 11/20/87    | { 37800.00 * } | 11/20/87    | { 38600.00 * } |
|                  |       |                             |                         |             | { 200.00 } |             | { 757.00 }     |             | { 667.00 }     |
| U                | PCI/L | 0.50                        | 600.00                  | 07/22/87    | 1.89       |             | NR             |             | NR             |
|                  |       |                             |                         | 10/19/87    | 1.96       |             | NR             |             | NR             |

C.436

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 4-S1-7B    | SAMPLE<br>DATE | 6-1-18     | SAMPLE<br>DATE | 6-2-7      |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 07/23/87       |            | 07/24/87       | 18800.00   | 07/24/87       | 32000.00   |
|                     |       |                                   |                               | 11/20/87       |            | 10/25/87       | 20400.00   | 10/21/87       | 48600.00 * |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 07/23/87       | 58300.00 * | 07/24/87       | 49400.00 * | 07/24/87       | 10700.00   |
|                     |       |                                   |                               |                | { 919.00 } |                | { 850.00 } |                | { 371.00 } |
|                     |       |                                   |                               | 11/20/87       | 59200.00 * | 10/25/87       | 50900.00 * | 10/21/87       | 13300.00   |
|                     |       |                                   |                               |                | { 816.00 } |                | { 885.00 } |                | { 408.00 } |

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 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
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 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-3-45 |         | SAMPLE DATE | 8-4-E6   |  | SAMPLE DATE | 8-8-17      |  |
|------------------|-------|-----------------------------|-------------------------|-------------|--------|---------|-------------|----------|--|-------------|-------------|--|
|                  |       |                             |                         |             |        |         |             |          |  |             |             |  |
| CO-00            | PCI/L | 22.50                       | 100.00                  | 08/08/87    |        |         |             | NR       |  | 07/29/87    | 9.73        |  |
|                  |       |                             |                         |             |        |         |             | NR       |  | 10/25/87    | { 8.88}     |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 08/08/87    |        |         |             | NR       |  | 07/29/87    | 7.94        |  |
|                  |       |                             |                         |             |        |         |             | NR       |  | 10/25/87    | { 8.88}     |  |
|                  |       |                             |                         |             |        |         |             |          |  |             |             |  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/08/87    |        |         | 07/29/87    | 12000.00 |  | 07/29/87    | 31400.00    |  |
|                  |       |                             |                         | 10/28/87    |        | 7020.00 | 10/21/87    | 12800.00 |  | 10/25/87    | 35000.00    |  |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 08/08/87    |        |         |             | NR       |  | 07/29/87    | 89.90 *     |  |
|                  |       |                             |                         |             |        |         |             | NR       |  | 10/25/87    | { 42.10}    |  |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/08/87    |        |         | 07/29/87    |          |  | 07/29/87    | 152000.00 * |  |
|                  |       |                             |                         |             |        |         | 10/21/87    |          |  | 10/25/87    | { 1480.00}  |  |
|                  |       |                             |                         |             |        |         |             |          |  |             | 157000.00 * |  |
|                  |       |                             |                         |             |        |         |             |          |  |             | { 1510.00}  |  |

C.438

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-8-32  | SAMPLE<br>DATE | 6-10-54A             | SAMPLE<br>DATE | 6-12-4B |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|----------------------|----------------|---------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 07/29/87       | 4990.00 | 08/05/87       | 12800.00             |                | NR      |
|                     |       |                                   |                               | 10/25/87       | 3610.00 | 10/28/87       | 13500.00             |                | NR      |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 07/29/87       |         | 08/05/87       |                      |                | NR      |
|                     |       |                                   |                               | 10/25/87       |         | 10/28/87       | 302.00<br>{ 170.00 } |                | NR      |

C.439

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-13-84 | SAMPLE DATE | 6-14-E8T                       | SAMPLE DATE | 6-14-38       |
|------------------|-------|-----------------------------|-------------------------|----------------------|---------|-------------|--------------------------------|-------------|---------------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/06/87<br>10/28/87 |         | 10/26/87    | 21100.00<br>NR                 | 08/27/87    | 3320.00<br>NR |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/06/87<br>10/28/87 |         | 10/26/87    | 47000.00 *<br>{ 732.00 }<br>NR | 08/27/87    | NR            |

C.440

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-14-47 | SAMPLE DATE | 6-15-15B | SAMPLE DATE | 6-17-5               |
|------------------|-------|-----------------------------|-------------------------|-------------|---------|-------------|----------|-------------|----------------------|
| CO-66            | PCI/L | 22.50                       | 100.00                  |             | NR      | 07/29/87    | 6.08     | 08/19/87    |                      |
|                  |       |                             |                         |             | NR      | 10/21/87    | { 5.44 } | 10/21/87    | 8.67<br>{ 6.06 }     |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/05/87    |         | 07/29/87    | 18700.00 | 08/19/87    | 83300.00 *           |
|                  |       |                             |                         | 10/26/87    |         | 10/21/87    | 19900.00 | 10/21/87    | 87600.00 *           |
| RU-106           | PCI/L | 172.50                      | 30.00                   |             | NR      | 07/29/87    |          | 08/19/87    |                      |
|                  |       |                             |                         |             | NR      | 10/21/87    |          | 10/21/87    | 48.20 *<br>{ 47.50 } |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-17-47        |            | 6-17-70        |          | 6-19-50        |  |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|----------|----------------|--|
|                     |       |                                   |                               | SAMPLE<br>DATE |            | SAMPLE<br>DATE |          | SAMPLE<br>DATE |  |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/05/87       |            | 08/06/87       | 42200.00 | 08/05/87       |  |
|                     |       |                                   |                               | 10/26/87       |            | 10/28/87       | 44500.00 | 11/13/87       |  |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/05/87       | 333.00     | 08/06/87       |          | 08/05/87       |  |
|                     |       |                                   |                               | 10/26/87       | { 200.00 } | 10/28/87       |          | 11/13/87       |  |

C.442

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-19-88 | SAMPLE<br>DATE | 8-28-E5P | SAMPLE<br>DATE | 8-28-E5Q |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|----------|----------------|----------|
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|----------|----------------|----------|

C.443

- \* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.
- # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.
- + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.
- @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON
- NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED
- VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES
- WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-20-E5R | SAMPLE<br>DATE       | 8-20-E12             | SAMPLE<br>DATE | 8-20-E12P |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------------|----------------------|----------------|-----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/17/87       | NR       | 08/19/87<br>10/25/87 | 36800.00             | 09/17/87       | NR        |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/17/87       | NR       | 08/19/87<br>10/25/87 | 657.00<br>{ 216.00 } | 09/17/87       | NR        |

C.444

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-20-82  | SAMPLE<br>DATE | 8-21-8     | SAMPLE<br>DATE | 8-22-78  |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|------------|----------------|----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/06/87       | 17000.00 | 08/19/87       | 38900.00   | 08/05/87       | 10700.00 |
|                     |       |                                   |                               | 10/28/87       | 22700.00 | 10/25/87       | 38400.00   | 11/13/87       | 10900.00 |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/06/87       |          | 08/19/87       | 50300.00 * | 08/05/87       |          |
|                     |       |                                   |                               |                |          |                | { 888.00 } |                |          |
|                     |       |                                   |                               | 10/28/87       |          | 10/25/87       | 52600.00 * | 11/13/87       |          |
|                     |       |                                   |                               |                |          |                | { 768.00 } |                |          |

C.445

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-24-1T               | SAMPLE<br>DATE | 8-24-1P | SAMPLE<br>DATE | 8-24-1Q |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------------------|----------------|---------|----------------|---------|
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 10/26/87       | 13700.00<br>{ 410.00} | 09/17/87       |         | 09/17/87       |         |

C.446

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ~ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-24-1R | SAMPLE<br>DATE | 8-24-1S | SAMPLE<br>DATE       | 8-25-55              |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|---------|----------------------|----------------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/17/87       | NR      | 09/17/87       | NR      | 08/19/87<br>11/13/87 | 14000.00<br>14000.00 |

C.447

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | SAMPLE DATE |          | SAMPLE<br>DATE | 6-26-89  |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-------------|----------|----------------|----------|
|                     |       |                                   |                               |                | 8-25-78     | 6-26-15A |                |          |
| CD-68               | PCI/L | 22.58                             | 188.88                        |                | NR          | 88/28/87 | 9.88           | NR       |
|                     |       |                                   |                               |                |             |          | { 7.48 }       |          |
|                     |       |                                   |                               |                | NR          | 18/25/87 | 15.88          | NR       |
|                     |       |                                   |                               |                |             |          | { 8.81 }       |          |
| CS-137              | PCI/L | 28.88                             | 288.88                        |                | NR          | 88/28/87 | 8.84           | NR       |
|                     |       |                                   |                               |                |             |          | { 4.84 }       |          |
| HNITRAT             | PPB   | 2588.88                           | 45888.88                      | 88/85/87       | 12888.88    | 88/28/87 | 37888.88       | 89/23/87 |
|                     |       |                                   |                               | 11/13/87       | 12888.88    | 18/25/87 | 38388.88       |          |
| TRITIUM             | PCI/L | 588.88                            | 28888.88                      | 88/85/87       | 1138.88     | 88/28/87 | 347888.88 *    | NR       |
|                     |       |                                   |                               |                | { 231.88 }  |          | { 1958.88 }    |          |
|                     |       |                                   |                               | 11/13/87       | 1178.88     | 18/25/87 | 387888.88 *    |          |
|                     |       |                                   |                               |                | { 235.88 }  |          | { 2118.88 }    | NR       |

C.448

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-27-8   | SAMPLE DATE | 6-28-40P            | SAMPLE DATE          | 6-28-52A                |
|------------------|-------|-----------------------------|-------------------------|----------------------|--|-------------|---------------------|----------------------|-------------------------|
| CO-60            | PCI/L | 22.50                       | 100.00                  | 08/20/87<br>10/25/87 | 11.20<br>{ 6.72}                                       | 09/17/87    | NR                  | 08/19/87<br>11/13/87 |                         |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/20/87<br>10/25/87 | 37000.00<br>30000.00                                   | 09/17/87    | NR                  | 08/19/87<br>11/13/87 | 10000.00                |
| I-129            | PCI/L |                             | 500.00                  | 08/20/87             | 1.05 0<br>{ 0.15}                                      |             | NR                  |                      | NR                      |
| RU-100           | PCI/L | 172.50                      | 30.00                   | 08/20/87<br>10/25/87 |  | 09/17/87    | 96.50 *<br>{ 49.90} | 08/19/87<br>11/13/87 |                         |
| TC-99            | PCI/L | 15.00                       | 900.00                  | 08/20/87             | 319.00<br>{ 3.16}                                      |             | NR                  |                      | NR                      |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/20/87<br>10/25/87 | 305000.00 *<br>{ 1830.00}<br>297000.00 *<br>{ 2000.00} | 09/17/87    | NR                  | 08/19/87<br>11/13/87 | 22900.00 *<br>{ 800.00} |

C.449

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-31-31    | SAMPLE DATE | 6-31-31P | SAMPLE DATE | 6-32-62                      |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|----------|-------------|------------------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR         |             | NR       | 08/27/87    | 2.00                         |
|                  |       |                             |                         |             | NR         |             | NR       | 12/08/87    | { 0.64 }<br>2.10<br>{ 0.64 } |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/29/87    | 7650.00    | 09/17/87    |          | 08/27/87    | 28500.00                     |
|                  |       |                             |                         | 10/26/87    | 8190.00    |             | NR       | 12/08/87    | 27100.00                     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/29/87    | 46900.00 * | 09/17/87    |          | 08/27/87    | 1860.00                      |
|                  |       |                             |                         |             | { 831.00 } |             |          |             | { 259.00 }                   |
|                  |       |                             |                         | 10/26/87    | 44900.00 * |             | NR       | 12/08/87    | 2020.00                      |
|                  |       |                             |                         |             | { 820.00 } |             |          |             | { 214.00 }                   |

C.450

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-34-39A  | SAMPLE DATE | 6-34-41B   | SAMPLE DATE | 6-34-88  |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------|-------------|------------|-------------|----------|
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/30/87    | 5.12      | 07/30/87    |            |             | NR       |
|                  |       |                             |                         |             | { 3.82}   |             |            |             |          |
|                  |       |                             |                         | 10/25/87    |           | 10/25/87    |            |             | NR       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/30/87    | 2980.00   | 07/30/87    | 11800.00   | 08/05/87    | 19200.00 |
|                  |       |                             |                         | 10/25/87    |           | 10/25/87    | 10100.00   | 12/08/87    | 19300.00 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/30/87    | 6990.00   | 07/30/87    | 58400.00 * | 08/05/87    |          |
|                  |       |                             |                         |             | { 361.00} |             | { 812.00}  |             |          |
|                  |       |                             |                         | 10/25/87    | 7180.00   | 10/25/87    | 51800.00 * | 12/08/87    |          |
|                  |       |                             |                         |             | { 376.00} |             | { 700.00}  |             |          |

C.451

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-38-48P | SAMPLE<br>DATE | 6-38-48Q | SAMPLE<br>DATE | 6-38-61B |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|----------|
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|----------|

C.452

- \* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.
- # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.
- - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.
- @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON
- NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED
- VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES
- WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-38-93  | SAMPLE DATE | 6-38-15                   | SAMPLE DATE | 6-39-8                    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|---------------------------|-------------|---------------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   |             | NR       |             | NR                        | 08/07/87    | 3.62<br>{ 0.84}           |
| BETA             | PCI/L | 8.00                        | 50.00                   |             | NR       |             | NR                        | 08/07/87    | 66.60 *<br>{ 5.61}        |
| CO-60            | PCI/L | 22.50                       | 100.00                  |             | NR       | 07/31/87    |                           | 07/31/87    |                           |
|                  |       |                             |                         |             | NR       | 11/02/87    | 13.60<br>{ 7.80}          | 08/07/87    | 11.20<br>{ 6.78}          |
|                  |       |                             |                         |             | NR       |             | NR                        | 10/27/87    |                           |
| CS-137           | PCI/L | 20.00                       | 200.00                  |             | NR       | 07/31/87    |                           | 07/31/87    | 3.45<br>{ 3.08}           |
|                  |       |                             |                         |             | NR       | 11/02/87    |                           | 08/07/87    |                           |
|                  |       |                             |                         |             | NR       |             | NR                        | 10/27/87    |                           |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/01/87    | 34000.00 | 07/31/87    | 53700.00 *                | 07/31/87    | 35900.00                  |
|                  |       |                             |                         | 09/23/87    | 37700.00 | 11/02/87    | 54200.00 *                | 08/07/87    | 30900.00                  |
|                  |       |                             |                         |             | NR       |             | NR                        | 10/27/87    | 39700.00                  |
| RU-100           | PCI/L | 172.50                      | 30.00                   |             | NR       | 07/31/87    | 54.50 *<br>{ 30.30}       | 07/31/87    |                           |
|                  |       |                             |                         |             | NR       | 11/02/87    | 47.60 *<br>{ 33.60}       | 08/07/87    | 50.20 *<br>{ 35.50}       |
|                  |       |                             |                         |             | NR       |             | NR                        | 10/27/87    |                           |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/01/87    |          | 07/31/87    | 52000.00 *<br>{ 2400.00}  | 07/31/87    | 22000.00 *<br>{ 1770.00}  |
|                  |       |                             |                         | 09/23/87    |          | 11/02/87    | 409000.00 *<br>{ 2280.00} | 08/07/87    | 243000.00 *<br>{ 1640.00} |
|                  |       |                             |                         |             | NR       |             | NR                        | 10/27/87    | 251000.00 *<br>{ 1900.00} |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR       |             | NR                        | 08/07/87    | 3.12                      |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.453

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-39-39         |    | 8-41-23              |  | 8-42-12A             |  |
|------------------|-------|-----------------------------|-------------------------|-------------|-----------------|----|----------------------|--|----------------------|--|
|                  |       |                             |                         |             |                 |    | SAMPLE DATE          |  | SAMPLE DATE          |  |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 09/16/87    | 5.76<br>{ 3.84} | NR | 08/20/87<br>11/04/87 | 5.87<br>{ 5.58}  | 08/19/87<br>10/21/87 |  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/16/87    | NR              | NR | 08/20/87<br>11/04/87 | 17300.00<br>18700.00                                   | 08/19/87<br>10/21/87 | 41600.00<br>42400.00                                   |
| I-129            | PCI/L |                             | 500.00                  |             | NR              | NR | 08/20/87             | 3.76 0<br>{ 0.32}                                      |                      | NR   |
| RU-108           | PCI/L | 172.50                      | 30.00                   | 09/16/87    | NR              | NR | 08/20/87<br>11/04/87 | 79.80 *<br>{ 81.90}                                    | 08/19/87<br>10/21/87 |  |
| TC-99            | PCI/L | 15.00                       | 900.00                  |             | NR              | NR | 08/20/87             | 89.10<br>{ 1.78}                                       |                      | NR   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/16/87    | NR              | NR | 08/20/87<br>11/04/87 | 149000.00 *<br>{ 1200.00}<br>147000.00 *<br>{ 1400.00} | 08/19/87<br>10/21/87 | 313000.00 *<br>{ 1850.00}<br>315000.00 *<br>{ 2120.00} |
| U                | PCI/L | 0.50                        | 600.00                  |             | NR<br>NR        | NR | NR<br>NR             | NR<br>NR   | 08/19/87<br>10/21/87 | 1.96<br>2.15   |

C.454

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-42-40A | SAMPLE DATE | 6-42-40B | SAMPLE DATE | 6-42-40C |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|----------|
|                  |       |                             |                         | -----       | -----    | -----       | -----    | -----       | -----    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/09/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 08/11/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 09/09/87    |          |             | NR       |             | NR       |
|                  |       |                             |                         | 10/06/87    | 0.72     |             | NR       |             | NR       |
|                  |       |                             |                         |             | { 0.40 } |             |          |             |          |
|                  |       |                             |                         | 11/04/87    | 0.78     |             | NR       |             | NR       |
|                  |       |                             |                         |             | { 0.43 } |             |          |             |          |
|                  |       |                             |                         | 12/01/87    | 0.81     |             | NR       | NR          |          |
|                  |       |                             |                         |             | { 0.44 } |             |          |             |          |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/09/87    | 4.52     | 07/09/87    | 3.46     |             | NR       |
|                  |       |                             |                         |             | { 1.06 } |             | { 1.53 } |             |          |
|                  |       |                             |                         | 08/11/87    | 4.97     | 08/11/87    | 4.48     |             | NR       |
|                  |       |                             |                         |             | { 1.65 } |             | { 1.58 } |             |          |
|                  |       |                             |                         | 09/09/87    | 4.86     | 09/09/87    | 5.89     |             | NR       |
|                  |       |                             |                         |             | { 1.62 } |             | { 2.19 } |             |          |
|                  |       |                             |                         | 10/06/87    | 3.52     | 10/06/87    | 3.77     |             | NR       |
|                  |       |                             |                         |             | { 1.48 } |             | { 1.50 } |             |          |
|                  |       |                             |                         | 11/04/87    | 3.86     |             | NR       | NR          |          |
|                  |       |                             |                         |             | { 1.60 } |             | { 1.85 } |             |          |
|                  |       |                             |                         | 12/01/87    | 3.46     | 12/07/87    | 4.04     |             | NR       |
|                  |       |                             |                         |             | { 1.46 } |             | { 1.62 } |             |          |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/09/87    |          | 07/09/87    |          |             | NR       |
|                  |       |                             |                         | 08/11/87    |          | 08/11/87    | 5.85     |             | NR       |
|                  |       |                             |                         |             |          |             | { 5.05 } |             |          |
|                  |       |                             |                         | 09/09/87    |          | 09/09/87    |          |             | NR       |
|                  |       |                             |                         | 10/06/87    |          | 10/06/87    |          |             | NR       |
|                  |       |                             |                         | 11/04/87    |          | 11/04/87    |          |             | NR       |
|                  |       |                             |                         | 12/01/87    | 5.07     | 12/07/87    |          | NR          |          |
|                  |       |                             |                         |             | { 5.43 } |             |          |             |          |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/09/87    |          | 07/09/87    |          |             | NR       |
|                  |       |                             |                         | 08/11/87    |          | 08/11/87    |          |             | NR       |
|                  |       |                             |                         |             |          |             | { 4.48 } |             |          |
|                  |       |                             |                         |             |          |             | { 3.38 } |             |          |
|                  |       |                             |                         | 09/09/87    |          | 09/09/87    |          |             | NR       |
| 10/06/87         |       | 10/06/87                    |                         |             | NR       |             |          |             |          |
| 11/04/87         |       | 11/04/87                    |                         |             | NR       |             |          |             |          |

C.455

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-42-40A       |                  | 6-42-40B       |                | 6-42-40C |            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------------|----------------|----------------|----------|------------|
|                     |       |                                   |                               | SAMPLE<br>DATE | SAMPLE<br>DATE   | SAMPLE<br>DATE | SAMPLE<br>DATE |          |            |
| CS-137              | PCI/L | 20.00                             | 200.00                        | 12/01/87       | 7.14<br>{ 8.80 } | 12/07/87       |                |          | NR         |
| RU-100              | PCI/L | 172.60                            | 30.00                         | 07/09/87       |                  | 07/09/87       | 43.50 *        |          | NR         |
|                     |       |                                   |                               | 08/11/87       |                  | 08/11/87       | { 30.80 }      |          | NR         |
|                     |       |                                   |                               | 09/09/87       |                  | 09/09/87       | 27.20          |          | NR         |
|                     |       |                                   |                               | 10/06/87       |                  | 10/06/87       | { 24.30 }      |          | NR         |
|                     |       |                                   |                               | 11/04/87       |                  | 11/04/87       |                |          | NR         |
|                     |       |                                   |                               | 12/01/87       |                  | 12/07/87       |                |          | NR         |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 07/09/87       | 466.00           | 07/09/87       |                | 09/23/87 | 1170.00    |
|                     |       |                                   |                               | 08/11/87       | { 215.00 }       | 08/11/87       |                |          | { 232.00 } |
|                     |       |                                   |                               | 09/09/87       | 544.00           | 09/09/87       |                |          | NR         |
|                     |       |                                   |                               | 10/06/87       | { 226.00 }       | 10/06/87       | 2770.00        |          | NR         |
|                     |       |                                   |                               | 11/04/87       | 700.00           | 11/04/87       | { 284.00 }     |          | NR         |
|                     |       |                                   |                               | 12/01/87       | { 225.00 }       | 12/07/87       | 410.00         |          | NR         |
|                     |       |                                   |                               |                |                  |                | { 214.00 }     |          | NR         |

C.456

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE       | 6-44-4   | SAMPLE<br>DATE       | 6-46-21B   | SAMPLE<br>DATE       | 6-47-35A             |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|--|----------------------|--|----------------------|----------------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 07/31/87<br>10/27/87 | 5030.00  | 08/04/87<br>10/25/87 | 15900.00<br>16100.00                               | 08/04/87<br>10/25/87 | 11000.00<br>15900.00 |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 07/31/87<br>10/27/87 | 129000.00 *<br>{ 1340.00}<br>145000.00 *<br>{ 1440.00} | 08/04/87<br>10/25/87 | 40000.00 *<br>{ 742.00}<br>46200.00 *<br>{ 718.00} | 08/04/87<br>10/25/87 |                      |

C.457

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-49-13E |  | SAMPLE DATE | 6-49-28    |  | SAMPLE DATE | 6-49-100C |    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|--|-------------|------------|--|-------------|-----------|----|
|                  |       |                             |                         |             |          |  |             |            |  |             |           |    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 08/07/87    | 2.46     |  |             | NR         |  | 08/20/87    | 2.65      |    |
|                  |       |                             |                         |             | { 0.70 } |  |             | NR         |  | 12/11/87    | { 0.70 }  |    |
| BETA             | PCI/L | 8.00                        | 50.00                   | 08/07/87    | 4.03     |  |             | NR         |  | 08/20/87    | 8.05      |    |
|                  |       |                             |                         |             | { 1.68 } |  |             | NR         |  | 12/11/87    | { 2.32 }  |    |
|                  |       |                             |                         |             | NR       |  |             |            |  |             | { 10.20 } |    |
|                  |       |                             |                         |             |          |  |             |            |  |             | { 2.30 }  |    |
| CD-00            | PCI/L | 22.50                       | 100.00                  | 08/07/87    | 5.11     |  |             | NR         |  |             |           | NR |
|                  |       |                             |                         |             | { 4.57 } |  |             |            |  |             |           |    |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/31/87    | 0200.00  |  | 08/04/87    |            |  | 08/20/87    | 12500.00  |    |
|                  |       |                             |                         | 08/07/87    | 0220.00  |  | 10/25/87    |            |  | 12/11/87    |           |    |
|                  |       |                             |                         | 11/02/87    | 5590.00  |  |             | NR         |  |             |           | NR |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/31/87    |          |  | 08/04/87    | 340.00     |  | 08/20/87    |           |    |
|                  |       |                             |                         |             |          |  |             | { 200.00 } |  |             |           |    |
|                  |       |                             |                         | 08/07/87    |          |  | 10/25/87    | 1070.00    |  | 12/11/87    |           |    |
|                  |       |                             |                         |             |          |  |             | { 193.00 } |  |             |           |    |
|                  |       |                             |                         | 11/02/87    |          |  |             | NR         |  |             |           | NR |
| U                | PCI/L | 0.50                        | 600.00                  | 08/07/87    | 1.60     |  |             | NR         |  |             |           | NR |

C.458

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-50-28B       |                     | 6-50-30        |    | 6-50-42        |                                |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------------------|----------------|----|----------------|--------------------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |                     | SAMPLE<br>DATE |    | SAMPLE<br>DATE |                                |
| ALPHA               | PCI/L | 4.00                              | 15.00                         |                | NR                  |                | NR | 08/26/87       | { 0.64<br>0.39}                |
| BETA                | PCI/L | 8.00                              | 50.00                         |                | NR                  |                | NR | 08/26/87       | { 5.84<br>1.91}                |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/26/87       |                     | 08/26/87       |    | 08/26/87       | 2690.00                        |
|                     |       |                                   |                               | 10/25/87       | 3560.00             | 10/25/87       |    | 11/25/87       | 3160.00                        |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/26/87       |                     | 08/26/87       |    | 08/26/87       | 4040.00                        |
|                     |       |                                   |                               | 10/25/87       | 384.00<br>{ 172.00} | 10/25/87       |    | 11/25/87       | { 313.00<br>3850.00<br>257.00} |

C.459

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-50-46 | SAMPLE<br>DATE | 8-51-46 | SAMPLE<br>DATE       | 8-51-63              |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|---------|----------------------|----------------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/18/87       | NR      | 09/18/87       | NR      | 08/20/87<br>12/08/87 | 16100.00<br>15900.00 |

C.460

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 • - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-52-19 | SAMPLE<br>DATE | 8-52-48 | SAMPLE<br>DATE | 8-53-35    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|---------|----------------|------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87       | 4410.00 | 09/16/87       | NR      | 08/28/87       |            |
|                     |       |                                   |                               | 11/04/87       | 4740.00 |                |         | 12/07/87       | 50200.00 * |

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 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS     | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-53-47A   | SAMPLE DATE | 6-53-47B   | SAMPLE DATE | 6-53-48A |
|------------------|-----------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|----------|
| ALPHA            | PCI/L     | 4.00                        | 15.00                   | 08/11/87    |            | 07/08/87    | 3.40       | 07/08/87    | 18.00 *  |
|                  |           |                             |                         | 09/08/87    | { 0.71     | 08/11/87    | { 0.81}    | 08/11/87    | { 1.02}  |
|                  |           |                             |                         | 10/05/87    | { 0.41}    | 09/08/87    | { 0.75}    | 09/08/87    | { 0.50}  |
|                  |           |                             |                         | 11/03/87    | { 1.44     | 10/05/87    | { 0.73}    | 10/05/87    | { 0.44}  |
|                  |           |                             |                         | 12/01/87    | { 0.55}    | 11/03/87    | { 0.70}    | 11/03/87    | { 0.68}  |
|                  |           |                             |                         |             | { 5.37     | 12/01/87    | { 0.83}    | 12/01/87    | { 0.82}  |
|                  |           |                             |                         |             | { 1.01}    |             | { 3.40     |             | { 5.24   |
|                  | { 1.18    |                             | { 0.81}                 |             | { 1.00}    |             |            |             |          |
|                  |           |                             | NR                      |             |            |             |            |             |          |
| BETA             | PCI/L     | 8.00                        | 50.00                   | 08/11/87    | 109.00 *   | 07/08/87    | 135.00 *   | 07/08/87    | 12.00    |
|                  |           |                             |                         | 09/08/87    | { 7.42}    | 08/11/87    | { 7.79}    | 08/11/87    | { 4.29}  |
|                  |           |                             |                         | 10/05/87    | { 99.20 *  | 09/08/87    | { 0.05}    | 09/08/87    | { 4.28}  |
|                  |           |                             |                         | 11/03/87    | { 7.04}    | 10/05/87    | { 153.00 * | 10/05/87    | { 7.88}  |
|                  |           |                             |                         | 12/01/87    | { 102.00 * | 11/03/87    | { 0.30}    | 11/03/87    | { 3.00}  |
|                  |           |                             |                         |             | { 7.08}    | 12/01/87    | { 190.00 * | 12/01/87    | { 9.41}  |
|                  |           |                             |                         |             | { 119.00 * |             | { 9.39}    |             | { 3.90}  |
|                  | { 7.30}   |                             | { 173.00 *              |             | { 8.21}    |             |            |             |          |
|                  | { 96.30 * |                             | { 0.98}                 |             | { 2.18}    |             |            |             |          |
|                  | { 8.64}   |                             | { 102.00 *              |             | { 7.00}    |             |            |             |          |
|                  |           |                             | NR                      |             | { 0.57}    |             | { 3.59}    |             |          |
| CO-60            | PCI/L     | 22.50                       | 100.00                  | 08/11/87    |            | 07/08/87    |            | 07/08/87    |          |
|                  |           |                             |                         | 09/08/87    |            | 08/11/87    | 5.05       | 08/11/87    |          |
|                  |           |                             |                         | 10/05/87    | { 5.35     | 09/08/87    | { 5.05}    | 09/08/87    |          |
|                  |           |                             |                         | 11/03/87    | { 4.79}    | 10/05/87    |            | 10/05/87    |          |
|                  |           |                             |                         | 12/01/87    |            | 11/03/87    |            | 11/03/87    |          |
|                  |           |                             | NR                      | 12/01/87    |            | 12/01/87    |            |             |          |
| CS-137           | PCI/L     | 20.00                       | 200.00                  | 08/11/87    |            | 07/08/87    |            | 07/08/87    |          |
|                  |           |                             |                         | 09/08/87    |            | 08/11/87    |            | 08/11/87    |          |
|                  |           |                             |                         | 10/05/87    |            | 09/08/87    |            | 09/08/87    |          |

C.462

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 8-53-47A    |             | 8-53-47B    |             | 8-53-48A |      |
|------------------|-------|-----------------------------|-------------------------|-------------|-------------|-------------|-------------|----------|------|
|                  |       |                             |                         | SAMPLE DATE | SAMPLE DATE | SAMPLE DATE | SAMPLE DATE |          |      |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 11/03/87    | 3.81        | 10/05/87    |             | 10/05/87 |      |
|                  |       |                             |                         |             | { 3.11}     |             |             |          |      |
|                  |       |                             |                         | 12/01/87    | NR          | 11/03/87    |             | 11/03/87 |      |
| RU-106           | PCI/L | 172.50                      | 30.00                   | 08/11/87    |             | 07/08/87    | 54.80 *     | 07/08/87 |      |
|                  |       |                             |                         |             |             | { 54.00}    |             |          |      |
|                  |       |                             |                         | 09/08/87    |             | 08/11/87    |             | 08/11/87 |      |
|                  |       |                             |                         | 10/05/87    |             | 09/08/87    |             | 09/08/87 |      |
|                  |       |                             |                         | 11/03/87    |             | 10/05/87    |             | 10/05/87 |      |
|                  |       |                             |                         | 12/01/87    |             | 11/03/87    | 40.40 *     | 11/03/87 |      |
|                  |       |                             |                         |             | NR          | 12/01/87    | { 30.50}    | 12/01/87 |      |
| SR 90            | PCI/L | 5.00                        | 8.00                    | 08/11/87    | 56.20 *     | 07/08/87    | 81.00 *     | 07/08/87 | 0.87 |
|                  |       |                             |                         |             | { 3.90}     | { 4.55}     |             | { 0.79}  |      |
|                  |       |                             |                         | 09/08/87    | 47.90 *     | 08/11/87    | 81.00 *     | 08/11/87 | 0.97 |
|                  |       |                             |                         |             | { 4.62}     | { 4.72}     |             | { 0.05}  |      |
|                  |       |                             |                         | 10/05/87    | 60.40 *     | 09/08/87    | 92.40 *     | 09/08/87 | 1.62 |
|                  |       |                             |                         |             | { 4.02}     | { 5.00}     |             | { 1.17}  |      |
|                  |       |                             |                         | 11/03/87    | 66.20 *     | 10/05/87    | 115.00 *    | 10/05/87 |      |
|                  |       |                             |                         |             | { 5.21}     | { 5.60}     |             |          |      |
|                  |       |                             |                         | 12/01/87    | 57.40 *     | 11/03/87    | 81.00 *     | 11/03/87 |      |
|                  |       |                             |                         |             | { 4.03}     | { 6.07}     |             |          |      |
|                  |       |                             |                         |             | NR          | 12/01/87    | 90.80 *     | 12/01/87 | 1.07 |
|                  |       |                             | { 4.91}                 |             | { 0.82}     |             |             |          |      |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.463

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | 6-53-48B    |            | 6-53-56     |  | 6-53-55A    |         |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|--|-------------|---------|
|                  |       |                             |                         | SAMPLE DATE |            | SAMPLE DATE |  | SAMPLE DATE |         |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/08/87    |            | NR          |  | 07/08/87    | 1.23    |
|                  |       |                             |                         | 08/11/87    |            | NR          |  | 08/11/87    | { 0.52} |
|                  |       |                             |                         | 09/08/87    |            | NR          |  | 09/08/87    | { 1.17  |
|                  |       |                             |                         | 10/05/87    |            | NR          |  | 10/08/87    | { 0.52} |
|                  |       |                             |                         | 11/03/87    |            | NR          |  | 11/04/87    | { 1.47  |
|                  |       |                             |                         | 12/01/87    | 2.22       | NR          |  | 12/01/87    | { 0.55} |
|                  |       | { 0.87}                     |                         |             |            | { 1.18      |  |             |         |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/08/87    | 575.00 *   | NR          |  | 07/08/87    | 8.34    |
|                  |       |                             |                         | 08/11/87    | { 33.00}   | NR          |  | 08/11/87    | { 1.92} |
|                  |       |                             |                         | 09/08/87    | { 691.00 * | NR          |  | 09/08/87    | { 8.08  |
|                  |       |                             |                         | 10/05/87    | { 36.00}   | NR          |  | 10/08/87    | { 2.21} |
|                  |       |                             |                         | 11/03/87    | { 852.00 * | NR          |  | 11/04/87    | { 9.00  |
|                  |       |                             |                         | 12/01/87    | { 35.40}   | NR          |  | 12/01/87    | { 2.26} |
|                  |       | { 648.00 *                  |                         |             |            | { 9.07      |  |             |         |
|                  |       | { 35.60}                    |                         |             |            | { 2.19}     |  |             |         |
|                  |       | { 593.00 *                  |                         |             |            | { 7.95      |  |             |         |
|                  |       | { 17.40}                    |                         |             |            | { 2.18}     |  |             |         |
|                  |       | { 852.00 *                  |                         |             |            | { 7.78      |  |             |         |
|                  |       | { 35.40}                    |                         |             |            | { 2.15}     |  |             |         |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/08/87    |            | NR          |  | 07/08/87    | 5.38    |
|                  |       |                             |                         | 08/11/87    | 8.52       | NR          |  | 10/08/87    | { 4.80} |
|                  |       |                             |                         | 09/08/87    | { 6.44}    | NR          |  |             | NR      |
|                  |       |                             |                         | 10/05/87    |            | NR          |  |             | NR      |
|                  |       |                             |                         | 11/03/87    | 8.52       | NR          |  |             | NR      |
|                  |       |                             |                         | 12/01/87    | { 6.02}    | NR          |  |             | NR      |
|                  |       | { 7.29}                     |                         |             |            | NR          |  |             |         |
|                  |       | { 5.95}                     |                         |             |            |             |  |             |         |
| CS-137           | PCI/L | 20.00                       | 200.00                  | 07/08/87    |            | NR          |  | 07/08/87    | 4.00    |
|                  |       |                             |                         |             |            |             |  |             | { 3.26} |

C.464

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS    | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-53-48B       |          | 6-53-58        |    | 6-53-55A       |      |
|---------------------|----------|-----------------------------------|-------------------------------|----------------|----------|----------------|----|----------------|------|
|                     |          |                                   |                               | SAMPLE<br>DATE |          | SAMPLE<br>DATE |    | SAMPLE<br>DATE |      |
| CS-137              | PCI/L    | 20.00                             | 200.00                        | 08/11/87       |          |                | NR | 10/08/87       | 7.70 |
|                     |          |                                   |                               | 09/08/87       | 6.40     |                | NR | { 5.13}        | NR   |
|                     |          |                                   |                               | 10/05/87       | { 4.05}  |                | NR |                | NR   |
|                     |          |                                   |                               | 11/03/87       | 4.63     |                | NR |                | NR   |
|                     |          |                                   |                               | 12/01/87       | { 3.50}  |                | NR |                | NR   |
|                     |          |                                   |                               |                | 11.30    |                | NR |                | NR   |
| SR 90               | PCI/L    | 5.00                              | 8.00                          | 07/08/87       | 266.00 * |                | NR | 07/08/87       |      |
|                     |          |                                   |                               |                | { 39.00} |                |    |                |      |
|                     |          |                                   |                               | 08/11/87       | 370.00 * |                | NR | 10/08/87       |      |
|                     |          |                                   |                               |                | { 46.40} |                |    |                |      |
|                     |          |                                   |                               | 09/08/87       | 398.00 * |                | NR |                | NR   |
|                     |          |                                   |                               |                | { 49.00} |                |    |                |      |
|                     |          |                                   |                               | 10/05/87       | 439.00 * |                | NR |                | NR   |
|                     |          |                                   |                               |                | { 52.80} |                |    |                |      |
| 11/03/87            | 346.00 * |                                   | NR                            |                | NR       |                |    |                |      |
|                     | { 9.68}  |                                   |                               |                |          |                |    |                |      |
| 12/01/87            | 358.00 * |                                   | NR                            |                | NR       |                |    |                |      |
|                     | { 44.90} |                                   |                               |                |          |                |    |                |      |

C.465

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-53-103                   | SAMPLE<br>DATE       | 8-54-34              | SAMPLE<br>DATE       | 8-54-37A |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------------------|----------------------|----------------------|----------------------|----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/23/87       | NR                         | 08/28/87<br>12/10/87 | 10700.00<br>10100.00 | 08/28/87<br>12/10/87 |          |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 09/23/87       | 348.00<br>{ 200.00 }<br>NR | 08/28/87<br>12/10/87 |                      | 08/28/87<br>12/10/87 |          |

C.466

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
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 \* - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|
|                  |       |                             |                         | 8-54-42     | 8-54-46A | 8-54-42     | 8-54-48    |
| ALPHA            | PCI/L | 4.00                        | 15.00                   | NR          | NR       | 07/08/87    | 1.13       |
|                  |       |                             |                         | NR          | NR       | 08/11/87    | { 0.51}    |
|                  |       |                             |                         | NR          | NR       | 09/09/87    | { 1.38     |
|                  |       |                             |                         | NR          | NR       | 10/06/87    | { 0.65}    |
|                  |       |                             |                         | NR          | NR       | 11/03/87    | { 1.90     |
|                  |       |                             |                         | NR          | NR       | 12/01/87    | { 0.81}    |
|                  |       |                             |                         | NR          | NR       |             | { 1.54     |
| BETA             | PCI/L | 8.00                        | 50.00                   | NR          | NR       | 07/08/87    | { 0.56}    |
|                  |       |                             |                         | NR          | NR       | 08/11/87    | { 0.91     |
|                  |       |                             |                         | NR          | NR       | 09/09/87    | { 0.47}    |
|                  |       |                             |                         | NR          | NR       | 10/06/87    | { 2.24     |
|                  |       |                             |                         | NR          | NR       | 11/03/87    | { 0.65}    |
|                  |       |                             |                         | NR          | NR       | 12/01/87    | { 100.00 + |
|                  |       |                             |                         | NR          | NR       |             | { 7.13}    |
| CO-60            | PCI/L | 22.50                       | 100.00                  | NR          | NR       | 07/08/87    | { 113.00 + |
|                  |       |                             |                         | NR          | NR       | 08/11/87    | { 7.48}    |
|                  |       |                             |                         | NR          | NR       | 09/09/87    | { 100.00 + |
|                  |       |                             |                         | NR          | NR       | 10/06/87    | { 7.04}    |
|                  |       |                             |                         | NR          | NR       | 11/03/87    | { 111.00 + |
|                  |       |                             |                         | NR          | NR       | 12/01/87    | { 7.27}    |
|                  |       |                             |                         | NR          | NR       |             | { 105.00 + |
| CS-137           | PCI/L | 20.00                       | 200.00                  | NR          | NR       | 07/08/87    | { 7.08}    |
|                  |       |                             |                         | NR          | NR       | 08/11/87    | { 111.00 + |
|                  |       |                             |                         | NR          | NR       | 09/09/87    | { 7.22}    |
|                  |       |                             |                         | NR          | NR       | 10/06/87    | { 6.39     |
|                  |       |                             |                         | NR          | NR       | 11/03/87    | { 5.22}    |
|                  |       |                             |                         | NR          | NR       | 12/01/87    |            |
|                  |       |                             |                         | NR          | NR       |             |            |

C.467

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE          | 6-54-42                          | SAMPLE DATE          | 6-54-45A                         | SAMPLE DATE  | 6-54-48  |
|------------------|-------|-----------------------------|-------------------------|----------------------|----------------------------------|----------------------|----------------------------------|--|--|
| CS-137           | PCI/L | 20.00                       | 200.00                  |                      | NR<br>NR                         |                      | NR<br>NR                         | 11/03/87<br>12/01/87   |  |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/28/87<br>12/10/87 |                                  | 08/28/87<br>12/10/87 | 8980.00                          |  | NR<br>NR   |
| RU-108           | PCI/L | 172.50                      | 30.00                   |                      | NR<br>NR<br>NR<br>NR             |                      | NR<br>NR<br>NR<br>NR             | 07/08/87<br>08/11/87<br>09/09/87<br>10/06/87                         | 42.70 *<br>{ 32.30 }   |
| SR 90            | PCI/L | 5.00                        | 8.00                    |                      | NR<br>NR<br>NR<br>NR<br>NR<br>NR |                      | NR<br>NR<br>NR<br>NR<br>NR<br>NR | 07/08/87<br>08/11/87<br>09/09/87<br>10/06/87<br>11/03/87<br>12/01/87 | 50.90 *<br>{ 3.61 }<br>54.30 *<br>{ 3.98 }<br>50.70 *<br>{ 3.70 }<br>50.60 *<br>{ 3.67 }<br>55.10 *<br>{ 3.86 }<br>54.90 *<br>{ 3.87 } |

C.468

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS    | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-54-49  | SAMPLE DATE | 6-54-57 | SAMPLE DATE | 6-55-48 |
|------------------|----------|-----------------------------|-------------------------|-------------|----------|-------------|---------|-------------|---------|
|                  |          |                             |                         |             |          |             |         |             |         |
| ALPHA            | PCI/L    | 4.00                        | 15.00                   | 07/08/87    | 0.82     |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 0.45 } |             |         |             |         |
|                  |          |                             |                         | 08/11/87    | 1.25     |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 0.52 } |             |         |             |         |
|                  |          |                             |                         | 09/09/87    | 1.21     |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 0.50 } |             |         |             |         |
|                  |          |                             |                         | 10/05/87    | 1.24     |             | NR      |             | NR      |
|                  | { 0.51 } |                             |                         |             |          |             |         |             |         |
|                  |          |                             |                         | 11/03/87    | 0.98     |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 0.49 } |             |         |             |         |
|                  |          |                             |                         | 12/01/87    | 0.89     |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 0.45 } |             |         |             |         |
| BETA             | PCI/L    | 8.00                        | 50.00                   | 07/08/87    | 91.70 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 8.55 } |             |         |             |         |
|                  |          |                             |                         | 08/11/87    | 118.00 * |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 7.51 } |             |         |             |         |
|                  |          |                             |                         | 09/09/87    | 123.00 * |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 7.45 } |             |         |             |         |
|                  |          |                             |                         | 10/05/87    | 81.40 *  |             | NR      |             | NR      |
|                  | { 6.19 } |                             |                         |             |          |             |         |             |         |
|                  |          |                             |                         | 11/03/87    | 77.90 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 5.95 } |             |         |             |         |
|                  |          |                             |                         | 12/01/87    | 57.10 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 5.08 } |             |         |             |         |
| SR 90            | PCI/L    | 5.00                        | 8.00                    | 07/08/87    | 35.80 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 2.90 } |             |         |             |         |
|                  |          |                             |                         | 08/11/87    | 53.80 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 3.91 } |             |         |             |         |
|                  |          |                             |                         | 09/09/87    | 58.10 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 3.88 } |             |         |             |         |
|                  |          |                             |                         | 10/05/87    | 42.40 *  |             | NR      |             | NR      |
|                  | { 3.48 } |                             |                         |             |          |             |         |             |         |
|                  |          |                             |                         | 11/03/87    | 41.80 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 4.13 } |             |         |             |         |
|                  |          |                             |                         | 12/01/87    | 26.00 *  |             | NR      |             | NR      |
|                  |          |                             |                         |             | { 2.64 } |             |         |             |         |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.469

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE |          | SAMPLE DATE |          | SAMPLE DATE |            |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|------------|
|                  |       |                             |                         | 8-55-44     | 6-55-50A | 6-55-50A    | 6-55-50D |             |            |
| BETA             | PCI/L | 8.00                        | 50.00                   | NR          | NR       | NR          | 08/27/87 | 44.60       | { 4.60 }   |
|                  |       |                             |                         | NR          | NR       | NR          | 11/25/87 | 45.60       | { 4.64 }   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/26/87    | 08/26/87 | 3880.00     | 08/27/87 |             |            |
|                  |       |                             |                         | 12/10/87    | 11/25/87 | 2800.00     | 11/25/87 |             |            |
| SR 90            | PCI/L | 5.00                        | 8.00                    | NR          | NR       | NR          | 08/27/87 | 0.91        | { 0.74 }   |
|                  |       |                             |                         | NR          | NR       | NR          | 11/25/87 |             |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/26/87    | 08/26/87 |             | 08/27/87 |             |            |
|                  |       |                             |                         | 12/10/87    | 11/25/87 |             | 11/25/87 | 365.00      | { 173.00 } |

C.470

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-55-70        |                       | 6-55-89        |         | 6-56-43        |    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------------------|----------------|---------|----------------|----|
|                     |       |                                   |                               | SAMPLE<br>DATE |                       | SAMPLE<br>DATE |         | SAMPLE<br>DATE |    |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/20/87       |                       | 08/19/87       | 3670.00 | 08/26/87       |    |
|                     |       |                                   |                               | 12/18/87       | 2500.00               | 11/08/87       | 4100.00 | 11/08/87       |    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/20/87       |                       | 08/19/87       |         | 08/26/87       |    |
|                     |       |                                   |                               | 12/18/87       | 18400.00<br>{ 513.00} | 11/08/87       |         | 11/08/87       |    |
| U                   | PCI/L | 0.50                              | 800.00                        |                | NR                    | 08/19/87       | 0.76    |                | NR |

C.471

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-56-51          | SAMPLE DATE | 6-56-53 | SAMPLE DATE          | 6-57-25A             |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|---------|----------------------|----------------------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 09/08/87    | { 0.38<br>0.34 } |             | NR      |                      | NR                   |
| BETA             | PCI/L | 8.00                        | 50.00                   | 09/08/87    | { 5.07<br>1.76 } |             | NR      |                      | NR                   |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                |             | NR               | 09/16/87    | NR      | 08/23/87<br>11/02/87 | 3320.00<br>3230.00   |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                |             | NR               | 09/16/87    | NR      | 08/23/87<br>11/02/87 | 428.00<br>{ 171.00 } |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

C.472

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-57-29A   | SAMPLE<br>DATE | 6-57-83A | SAMPLE<br>DATE | 6-58-24 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|----------|----------------|---------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87       | 2960.00    | 08/19/87       | 5930.00  | 08/23/87       | 3290.00 |
|                     |       |                                   |                               | 11/02/87       | 2840.00    | 12/22/87       |          | 11/08/87       | 4450.00 |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/23/87       | 740.00     |                | NR       | 08/23/87       |         |
|                     |       |                                   |                               |                | { 223.00 } |                |          |                |         |
|                     |       |                                   |                               | 11/02/87       | 879.00     |                | NR       | 11/08/87       |         |
|                     |       |                                   |                               |                | { 178.00 } |                |          |                |         |

C.4/3

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE       | 6-59-32                                    | SAMPLE<br>DATE       | 6-59-58                                    | SAMPLE<br>DATE       | 6-59-80B |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|--|----------------------|--|----------------------|----------|
| ALPHA               | PCI/L | 4.00                              | 15.00                         |                      | NR   | 07/09/87             | 1.24<br>{ 0.51}                            |                      | NR       |
| BETA                | PCI/L | 8.00                              | 50.00                         |                      | NR   | 07/09/87             | 5.03<br>{ 1.77}                            |                      | NR       |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87<br>11/08/87 | 4090.00<br>4470.00                         | 07/09/87<br>12/21/87 |  | 08/19/87<br>12/13/87 |          |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/23/87<br>11/08/87 | 594.00<br>{ 217.00}<br>810.00<br>{ 222.00} | 07/09/87<br>12/21/87 | 766.00<br>{ 182.00}<br>862.00<br>{ 209.00} |                      | NR<br>NR |

C.474

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-60-32    | SAMPLE DATE | 6-60-57    | SAMPLE DATE | 6-60-60    |
|------------------|-------|-----------------------------|-------------------------|-------------|------------|-------------|------------|-------------|------------|
| NNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/23/87    | 5900.00    | 08/23/87    |            | 08/23/87    |            |
|                  |       |                             |                         | 11/08/87    | 5580.00    | 11/08/87    |            | 11/08/87    |            |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/23/87    | 975.00     | 08/23/87    | 816.00     | 08/23/87    | 7820.00    |
|                  |       |                             |                         |             | { 229.00 } |             | { 216.00 } |             | { 382.00 } |
|                  |       |                             |                         | 11/08/87    | 821.00     | 11/08/87    | 814.00     | 11/08/87    | 7930.00    |
|                  |       |                             |                         | { 220.00 }  |            | { 216.00 }  |            | { 388.00 }  |            |

C.475

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-81-37        |          | 8-81-41        |            | 8-81-82        |                    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------------|----------|----------------|------------|----------------|--------------------|
|                     |       |                                   |                               |                | SAMPLE<br>DATE | 8-81-37  | SAMPLE<br>DATE | 8-81-41    | SAMPLE<br>DATE | 8-81-82            |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                |                | NR       |                | NR         | 08/20/87       | 15.00<br>{ 11.30 } |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87       | 4640.00        | 08/23/87 | 3200.00        | 08/20/87   | 46000.00 *     |                    |
|                     |       |                                   |                               | 11/08/87       | 4520.00        | 11/08/87 | 3120.00        | 11/08/87   | 51700.00 *     |                    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/23/87       | 920.00         | 08/23/87 | 330.00         | 08/20/87   | 9240.00        |                    |
|                     |       |                                   |                               |                | { 228.00 }     |          | { 200.00 }     |            | { 410.00 }     |                    |
|                     |       |                                   |                               | 11/08/87       | 524.00         | 11/08/87 |                | 11/08/87   | 9110.00        |                    |
|                     |       |                                   |                               | { 217.00 }     |                |          |                | { 400.00 } |                |                    |
| U                   | PCI/L | 0.50                              | 800.00                        |                | NR             |          | NR             | 08/20/87   | 1.09           |                    |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-61-66        |         | 6-62-31        |          | 6-62-43F       |            |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|---------|----------------|----------|----------------|------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |         | SAMPLE<br>DATE |          | SAMPLE<br>DATE |            |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/20/87       | 4800.00 | 08/23/87       | 37900.00 | 08/23/87       | 3480.00    |
|                     |       |                                   |                               | 11/08/87       | 5230.00 | 11/08/87       | 41000.00 | 11/08/87       | 3730.00    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/20/87       |         |                | NR       | 08/23/87       | 623.00     |
|                     |       |                                   |                               | 11/08/87       |         |                | NR       | 11/08/87       | { 217.00 } |
|                     |       |                                   |                               |                |         |                |          |                | { 674.00 } |
|                     |       |                                   |                               |                |         |                |          |                | { 221.00 } |

C.477

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPDRTED  
 VALUES IN { } ARE COUNTING ERRORS FDR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-83-25A | SAMPLE DATE | 6-83-51    | SAMPLE DATE | 6-83-55    |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|------------|-------------|------------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 08/28/87    | 19200.00 | 08/23/87    | 5420.00    | 08/23/87    | 2920.00    |
|                  |       |                             |                         | 11/08/87    | 20800.00 | 11/08/87    | 8940.00    | 11/08/87    | 3800.00    |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 08/26/87    |          | 08/23/87    | 569.00     | 08/23/87    | 624.00     |
|                  |       |                             |                         |             |          |             | { 215.00 } |             | { 217.00 } |
|                  |       |                             |                         | 11/08/87    |          | 11/08/87    | 758.00     | 11/08/87    | 958.00     |
|                  |       |                             |                         |             |          |             | { 221.00 } | { 228.00 }  |            |

C.478

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-63-58          | SAMPLE DATE | 6-63-90 | SAMPLE DATE | 6-64-27  |
|------------------|-------|-----------------------------|-------------------------|-------------|------------------|-------------|---------|-------------|----------|
| ALPHA            | PCI/L | 4.00                        | 15.00                   | 07/09/87    | { 0.89<br>0.43}  |             | NR      |             | NR       |
| BETA             | PCI/L | 8.00                        | 50.00                   | 07/09/87    | { 17.80<br>2.95} |             | NR      |             | NR       |
| CO-60            | PCI/L | 22.50                       | 100.00                  | 07/09/87    | { 9.62<br>8.41}  |             | NR      |             | NR       |
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 07/09/87    | 8060.00          | 08/19/87    | 5300.00 | 08/27/87    | 42100.00 |
|                  |       |                             |                         | 11/12/87    | 25100.00         | 11/12/87    | 5860.00 | 11/02/87    | 40900.00 |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 07/09/87    | 1290.00          | 08/19/87    |         | 08/27/87    |          |
|                  |       |                             |                         |             | { 193.00}        |             |         |             |          |
|                  |       |                             |                         | 11/12/87    | 1490.00          | 11/12/87    |         | 11/02/87    |          |
|                  |       |                             |                         |             | { 244.00}        |             |         |             |          |
| U                | PCI/L | 0.50                        | 800.00                  | 07/09/87    | 0.57             |             | NR      |             | NR       |

C.479

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-84-82    | SAMPLE<br>DATE | 6-85-80    | SAMPLE<br>DATE | 6-85-89A   |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/27/87       | 28600.00   | 08/23/87       |            | 08/23/87       | 2750.00    |
|                     |       |                                   |                               | 11/08/87       | 29600.00   | 11/08/87       | 2600.00    | 11/08/87       | 3820.00    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/27/87       | 9300.00    | 08/23/87       | 887.00     | 08/23/87       | 560.00     |
|                     |       |                                   |                               |                | { 410.00 } |                | { 220.00 } |                | { 215.00 } |
|                     |       |                                   |                               | 11/08/87       | 9250.00    | 11/08/87       | 492.00     | 11/08/87       | 553.00     |
|                     |       |                                   |                               | { 400.00 }     |            | { 210.00 }     |            |                |            |

C.480

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 @ - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-66-23  | SAMPLE<br>DATE | 6-66-38 | SAMPLE<br>DATE | 6-66-39 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|---------|----------------|---------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/27/87       | 43800.00 | 08/23/87       |         | 08/23/87       |         |
|                     |       |                                   |                               | 11/02/87       | 43200.00 | 11/08/87       |         | 11/08/87       |         |

C.481

- \* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.
- # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.
- - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.
- 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON
- NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED
- VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES
- WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-88-58    | SAMPLE<br>DATE | 8-88-64    | SAMPLE<br>DATE | 8-88-103 |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87       |            | 08/26/87       | 26500.00   | 08/19/87       |          |
|                     |       |                                   |                               | 11/08/87       | 3520.00    | 11/08/87       | 15500.00   | 12/17/87       |          |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/23/87       | 484.00     | 08/26/87       | 9300.00    | 08/19/87       |          |
|                     |       |                                   |                               |                | { 213.00 } |                | { 418.00 } |                |          |
|                     |       |                                   |                               | 11/08/87       | 480.00     | 11/08/87       | 6490.00    | 12/17/87       |          |
|                     |       |                                   |                               | { 211.00 }     |            | { 360.00 }     |            |                |          |
| U                   | PCI/L | 0.50                              | 800.00                        |                | NR         | 08/26/87       | 1.42       |                | NR       |

C.482

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 † - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE       | 6-87-51                                      | SAMPLE<br>DATE       | 6-87-98            | SAMPLE<br>DATE       | 6-88-105             |
|---------------------|-------|-----------------------------------|-------------------------------|----------------------|--|----------------------|--------------------|----------------------|----------------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/25/87<br>12/13/87 |  | 08/19/87<br>11/12/87 | 5390.00<br>5340.00 | 08/19/87<br>12/17/87 |                      |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/25/87<br>12/13/87 | 511.00<br>{ 217.00 }<br>579.00<br>{ 211.00 } | 08/19/87<br>11/12/87 |                    | 08/19/87<br>12/17/87 | 338.00<br>{ 206.00 } |

C.483

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 # - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 - - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 8-69-38    | SAMPLE<br>DATE | 6-72-73    | SAMPLE<br>DATE | 6-72-88    |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|------------|----------------|------------|----------------|------------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/23/87       |            | 08/20/87       | 3900.00    | 08/19/87       | 9530.00    |
|                     |       |                                   |                               | 11/08/87       |            |                | NR         | 11/12/87       | 7850.00    |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/23/87       | 383.00     | 08/20/87       | 2350.00    | 08/19/87       | 3080.00    |
|                     |       |                                   |                               |                | { 211.00 } |                | { 287.00 } |                | { 280.00 } |
|                     |       |                                   |                               | 11/08/87       |            |                | NR         | 11/12/87       | 3350.00    |
|                     |       |                                   |                               |                |            |                |            |                | { 292.00 } |

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-72-92               | SAMPLE<br>DATE | 6-78-82 | SAMPLE<br>DATE | 6-88-43P |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|-----------------------|----------------|---------|----------------|----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/19/87       | 0730.00               | 09/23/87       | 7730.00 | 09/23/87       |          |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/19/87       | 2180.00<br>{ 261.00 } |                | NR      |                | NR       |

C.485

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-80-43Q | SAMPLE<br>DATE | 6-80-43R | SAMPLE<br>DATE | 6-80-43S |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|----------------|----------|
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 09/23/87       | 2500.00  | 09/23/87       |          | 09/23/87       | 9090.00  |

C.486

\* - VALUE EXCEEDS PRIMARY DRINKING WATER STANDARD.  
 ‡ - VALUE EXCEEDS PROPOSED PRIMARY DRINKING WATER STANDARD.  
 + - VALUE EXCEEDS SCREENING LEVEL FOR FURTHER INVESTIGATION.  
 0 - DETECTION LIMIT WAS NOT AVAILABLE FOR COMPARISON  
 NR - ANALYSIS NOT REQUESTED OR NOT YET REPORTED  
 VALUES IN { } ARE COUNTING ERRORS FOR RADIONUCLIDES  
 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY

TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-84-36A0     | SAMPLE DATE | 8-87-56                  | SAMPLE DATE          | 8-S6-E4B                 |
|------------------|-------|-----------------------------|-------------------------|-------------|---------------|-------------|--------------------------|----------------------|--------------------------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/23/87    | 4600.00<br>NR | 12/13/87    | 21200.00<br>NR           | 07/24/87<br>10/26/87 | 18700.00<br>17900.00     |
| TRITIUM          | PCI/L | 500.00                      | 20000.00                | 09/23/87    |               | 08/26/87    | 53100.00 *<br>{ 781.00 } | 07/24/87             | 27200.00 *<br>{ 848.00 } |
|                  |       |                             |                         |             | NR            | 12/13/87    | 50500.00 *<br>{ 743.00 } | 10/26/87             | 27400.00 *<br>{ 856.00 } |
| U                | PCI/L | 0.50                        | 800.00                  |             | NR<br>NR      |             | NR<br>NR                 | 07/24/87<br>10/26/87 | 2.70<br>3.11             |

C.487

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TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS      | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 6-S8-E4D   |         | SAMPLE DATE | 6-S7-34 |          | SAMPLE DATE | 6-S11-E12A |    |
|------------------|------------|-----------------------------|-------------------------|-------------|------------|---------|-------------|---------|----------|-------------|------------|----|
|                  |            |                             |                         |             |            |         |             |         |          |             |            |    |
| CO-88            | PCI/L      | 22.50                       | 100.00                  | 07/24/87    |            |         |             |         | NR       |             |            | NR |
|                  |            |                             |                         | 07/24/87    |            |         |             |         | NR       |             | NR         |    |
|                  |            |                             |                         | 10/28/87    |            | 10.70   |             |         |          | NR          |            | NR |
|                  |            |                             |                         |             | {          | 8.70}   |             |         |          |             |            |    |
|                  |            |                             |                         | 10/28/87    |            | 11.00   |             |         |          | NR          |            | NR |
|                  |            |                             |                         |             | {          | 7.30}   |             |         |          |             |            |    |
| CS-137           | PCI/L      | 20.00                       | 200.00                  | 07/24/87    |            |         |             |         | NR       |             |            | NR |
|                  |            |                             |                         | 07/24/87    |            | 11.30   |             |         |          | NR          |            | NR |
|                  |            |                             |                         | 10/28/87    |            | 5.49    |             |         |          |             |            |    |
|                  |            |                             |                         |             | {          | 7.52    |             |         |          |             |            |    |
|                  |            |                             |                         | 10/28/87    |            | 4.75    |             |         |          | NR          |            | NR |
|                  |            |                             |                         |             | {          | 4.75}   |             |         |          |             |            |    |
| HNITRAT          | PPB        | 2500.00                     | 45000.00                | 07/24/87    | 23000.00   |         | 08/08/87    |         | 09/18/87 | 20700.00    |            | NR |
|                  |            |                             |                         | 07/24/87    | 23000.00   |         | 12/17/87    |         |          | NR          |            |    |
|                  |            |                             |                         | 10/28/87    | 26000.00   |         |             |         | NR       | NR          |            |    |
|                  |            |                             |                         | 10/28/87    | 26000.00   |         |             |         | NR       | NR          |            |    |
|                  |            |                             |                         |             |            |         |             |         |          |             |            |    |
| TRITIUM          | PCI/L      | 500.00                      | 20000.00                | 07/24/87    | 35000.00 * |         | 08/06/87    |         | 09/16/87 | 3380.00     |            | NR |
|                  |            |                             |                         |             | {          | 724.00} |             |         |          | {           | 292.00}    |    |
|                  |            |                             |                         | 07/24/87    | 35000.00 * |         | 12/17/87    |         |          | NR          |            |    |
|                  |            |                             |                         |             | {          | 729.00} |             |         |          |             |            |    |
|                  |            |                             |                         | 10/28/87    | 37400.00 * |         |             |         | NR       | NR          |            |    |
|                  | {          | 758.00}                     |                         |             |            |         |             |         |          |             |            |    |
| 10/28/87         | 34700.00 * |                             |                         |             | NR         | NR      |             |         |          |             |            |    |
|                  | {          | 720.00}                     |                         |             |            |         |             |         |          |             |            |    |
| U                | PCI/L      | 0.50                        | 600.00                  | 07/24/87    | 2.59       |         |             |         | NR       |             |            | NR |
|                  |            |                             |                         | 07/24/87    | 2.56       |         |             |         | NR       |             | NR         |    |
|                  |            |                             |                         | 10/28/87    | 2.62       |         |             |         | NR       |             | NR         |    |
|                  |            |                             |                         | 10/28/87    | 2.91       |         |             |         | NR       |             | NR         |    |
|                  |            |                             |                         |             |            |         |             |         |          |             |            |    |

C.488

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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | 6-S12-29       |          | 6-S14-26A      |                  | 6-S18-51       |                      |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|------------------|----------------|----------------------|
|                     |       |                                   |                               | SAMPLE<br>DATE |          | SAMPLE<br>DATE |                  | SAMPLE<br>DATE |                      |
| CO-60               | PCI/L | 22.50                             | 100.00                        |                | NR       | 07/24/87       | { 7.50<br>5.67 } |                | NR                   |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 08/08/87       | 17600.00 | 07/24/87       | 4200.00          | 07/24/87       | 3200.00              |
|                     |       |                                   |                               | 10/28/87       | 16600.00 | 10/25/87       | 3250.00          | 10/25/87       |                      |
| TRITIUM             | PCI/L | 500.00                            | 20000.00                      | 08/08/87       |          | 07/24/87       |                  | 07/24/87       |                      |
|                     |       |                                   |                               | 10/28/87       |          | 10/25/87       |                  | 10/25/87       | { 300.00<br>170.00 } |

C.489

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 WATER STANDARD(S) IN PARENTHESES ARE PROPOSED ONLY



TABLE C.7. (contd)

| CONSTITUENT NAME | UNITS | CONTRACTUAL DETECTION LIMIT | DRINKING WATER STANDARD | SAMPLE DATE | 8-S19-11 | SAMPLE DATE | 8-S24-19 | SAMPLE DATE | 8-S27-E14 |
|------------------|-------|-----------------------------|-------------------------|-------------|----------|-------------|----------|-------------|-----------|
| HNITRAT          | PPB   | 2500.00                     | 45000.00                | 09/23/87    | 9130.00  | 09/23/87    |          | 07/09/87    | 27000.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 08/27/87    | 25300.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 09/08/87    | 23100.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 10/08/87    | 21800.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 11/03/87    | 20800.00  |
|                  |       |                             |                         |             | NR       |             | NR       | 12/08/87    | 20000.00  |
| U                | PCI/L | 0.50                        | 800.00                  |             | NR       |             | NR       | 07/13/87    | 4.16      |
|                  |       |                             |                         |             | NR       |             | NR       | 08/27/87    | 4.58      |
|                  |       |                             |                         |             | NR       |             | NR       | 09/08/87    | 4.20      |
|                  |       |                             |                         |             | NR       |             | NR       | 10/08/87    | 4.25      |
|                  |       |                             |                         |             | NR       |             | NR       | 11/03/87    | 4.12      |
|                  |       |                             |                         |             | NR       |             | NR       | 12/08/87    | 3.97      |

C.490

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TABLE C.7. (contd)

| CONSTITUENT<br>NAME | UNITS | CONTRACTUAL<br>DETECTION<br>LIMIT | DRINKING<br>WATER<br>STANDARD | SAMPLE<br>DATE | 6-S28-E0 | SAMPLE<br>DATE | 6-S31-1P |
|---------------------|-------|-----------------------------------|-------------------------------|----------------|----------|----------------|----------|
| ALPHA               | PCI/L | 4.00                              | 15.00                         | 07/24/87       | 1.92     |                | NR       |
|                     |       |                                   |                               | 10/25/87       | { 0.00 } |                | NR       |
| BETA                | PCI/L | 8.00                              | 50.00                         | 07/24/87       | 6.03     |                | NR       |
|                     |       |                                   |                               | 10/25/87       | { 1.91 } |                | NR       |
| HNITRAT             | PPB   | 2500.00                           | 45000.00                      | 07/24/87       | 9840.00  |                | NR       |
|                     |       |                                   |                               | 10/25/87       | 10500.00 |                | NR       |

C.491

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APPENDIX D

MAXIMUM CONTAMINANT LEVELS AND  
DERIVED CONCENTRATION GUIDELINES

APPENDIX D

MAXIMUM CONTAMINANT LEVELS AND  
DERIVED CONCENTRATION GUIDELINES

TABLE D.1. Radiological Maximum Contaminant Levels [from U.S. Environmental Protection Agency (OFR 1986) and State of Washington Public Water Supplies (WDSHS 1983)]

| <u>Contaminant</u>  | <u>Limit</u>   |
|---|--|
| Gross alpha (excluding uranium)                               | 15 pCi/L   |
| Combined radium-226 and radium-228                            | 5 pCi/L  |
| Radium-226 (State of Washington only)                         | 3 pCi/L  |
| Gross beta and gamma radioactivity from manmade radionuclides | Annual average concentration shall not produce an annual dose from man-made radionuclides equivalent to the total body or any internal organ dose greater than 4 mrem/yr. If two or more radionuclides are present, the sum of their annual dose equivalent shall not exceed 4 mrem/yr.                                |
|   | Compliance may be assumed if annual average concentrations for gross beta activity, tritium, and strontium-90 are less than 50 pCi/L, 20,000 pCi/L, and 8 pCi/L, respectively. It should be noted that these "screening levels" are conservatively calculated and not directly equivalent to an annual dose of 4 mrem. |

The following list provides the annual average concentrations that yield an annual dose of 4 millirem to the indicated organ assuming a 2-L daily intake. Data are taken from EPA (1976).

| <u>Radionuclide</u> | <u>Critical Organ</u> | <u>Concentration, pCi/L</u> |
|---------------------|-----------------------|-----------------------------|
| Antimony-125        | GI (LLI)              | 300                         |
| Carbon-14           | Fat                   | 2,000                       |
| Cesium-137          | Whole body            | 200                         |
| Cobalt-60           | GI (LLI)              | 100                         |
| Iodine-129          | Thyroid               | 1                           |
| Nickel-63           | Bone                  | 50                          |
| Ruthenium-103       | GI (LLI)              | 200                         |
| Ruthenium-106       | GI (LLI)              | 30                          |
| Strontium-90        | Bone marrow           | 8                           |
| Technetium-99       | GI (LLI)              | 900                         |

TABLE D.2. Chemical Maximum Contaminant Levels [from U.S. Environmental Protection Agency (OFR 1986) and State of Washington Public Water Supplies (WDSHS 1983)]

| <u>Chemical Constituent</u> | <u>Concentration</u>  |
|-----------------------------|-----------------------|
| Arsenic                     | 50 ppb <sup>(a)</sup> |
| Barium                      | 1 ppm                 |
| Cadmium                     | 10 ppb                |
| Carbon tetrachloride        | 5 ppb                 |
| Chloroform                  | 100 ppb               |
| Chromium                    | 50 ppb                |
| Copper                      | 1.3 ppm               |
| Fluorine                    | 2 ppm                 |
| Lead                        | 50 ppb                |
| Mercury                     | 2 ppb                 |
| Nitrate ion                 | 45 ppm                |
| Selenium                    | 10 ppb                |
| Trans-1,2-Dichloroethene    | 70 ppb <sup>(b)</sup> |
| Trichloroethene             | 5 ppb                 |
| 1,1,1-Trichloroethane       | 200 ppb               |

---

(a) ppb = ppm/1000.

(b) Proposed recommended maximum contaminant level.

TABLE D.3. Proposed Derived Concentration Guides<sup>(a)</sup>

| <u>Radionuclide</u> | <u>Concentration,<br/>pCi/L</u> |
|---------------------|---------------------------------|
| Americium-241       | 30                              |
| Antimony-125        | 60,000                          |
| Cesium-137          | 3,000                           |
| Cobalt-60           | 5,000                           |
| Iodine-129          | 500                             |
| Nickel-63           | 300,000                         |
| Plutonium-238       | 400                             |
| Plutonium-239,240   | 300                             |
| Radium-226          | 100                             |
| Ruthenium-103       | 50,000                          |
| Ruthenium-106       | 6,000                           |
| Strontium-89        | 20,000                          |
| Strontium-90        | 1,000                           |
| Technetium-99       | 100,000                         |
| Tritium             | 2,000,000                       |
| Uranium-234         | 500                             |
| Uranium-235         | 600                             |
| Uranium-236         | 500                             |
| Uranium-238         | 600                             |

---

(a) Concentrations of radionuclides in water that could be continuously consumed and not exceed an effective dose equivalent of 100 mrem/yr. Consumption is assumed to be 730 L of drinking water per year.

## REFERENCES

DOE Order 5480.1A. "Environmental Protection, Safety, and Health Protection Program for DOE Operations." U.S. Department of Energy, Washington, D.C.

OFR (Office of the Federal Register). 1986. Code of Federal Regulations, "Protection of Environment." 40 CFR Parts 100 to 149.

EPA. 1976. National Interim Primary Drinking Water Regulations. EPA-570/9-76-003, Office of Water Supply, Washington, D.C.

Washington State Department of Social and Health Services (WDSHS). August 1983 (Revised). "Public Water Supplies". Washington Administration Code, Chapter 248-54, Olympia, Washington.



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