

# Evaluation Method for Determining Management Priorities for Special Case Waste

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PRIORITIES FOR SPECIAL CASE WASTE

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## ACRONYMS

CCSA	Continued Current Storage Activities
CH	Contact Handled
CIF	Consolidated Incineration Facility
DOE	U.S. Department of Energy
DP	Defense Programs
DRS	Data Record Sheet
DTA	Decision Tree Analysis
DWPF	Defense Waste Processing Facility
DWTF	Defense Waste Treatment Facility
EDL	Economic Discard Limit
EU	Enriched Uranium
FMPC	Feed Material Production Center
GCD	Greater Confinement Disposal
HAZ	Hazardous
HLW	High Level Waste
HQ	Headquarters
IBAT	Implementation of the Best Available Treatment
LAMPRE	Los Alamos Molten Plutonium Reactor Experiment
LANL	Los Alamos National Laboratory
LBL	Lawrence Berkeley Laboratory
LLMW	Low-Level Mixed Waste
LLNL	Lawrence Livermore National Laboratory
LLW	Low-Level Waste
MAP	Mixed Activation Products
MFP	Mixed Fission Products
MPPF	Multi-Purpose Processing Facility
MW	Mixed Waste
PA	Performance Assessment
PAL	Performance Assessment Limiting
PCP	Payload Compliance Plan
PE	Priority Evaluation
PR	Priority Rating
RCRA	Resource Conservation and Recovery Act
RH	Remote Handled
SCW	Special Case Waste
SLB	Shallow Land Burial
SPAR	Specific Performance Assessment Required
SWEPP	Stored Waste Examination Pilot Plant
TRU	Transuranic
TRUPACT	Transuranic Package Transporter
TSCA	Toxic Substances Control Act
TSP	Radioactive Waste Technical Support Program
TWF	Transuranic Waste Facility
WAC	Waste Acceptance Criteria
WG	Weapons Grade
WIPP	Waste Isolation Pilot Plant
WRAP	Waste Receiving and Packaging Facility

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EVALUATION METHOD FOR DETERMINING MANAGEMENT  
PRIORITIES FOR SPECIAL CASE WASTE

INTRODUCTION

The U.S. Department of Energy (DOE) Radioactive Waste Technical Support Program (TSP) began the Special Case Waste (SCW) Inventory and Characterization Project in April 1989. The collection of data has been completed and a final draft report, Department of Energy Special Case Radioactive Waste Inventory and Characterization Data Report (DOE/LLW-96), was submitted in May 1990. A second final draft report, Supplemental Data Report to the Department of Energy Special Case Radioactive Waste Inventory and Characterization Data Report (DOE/LLW-95), containing additional and more detailed data and graphical presentations, was completed in July 1990. These two reports contain details on the special case waste categories and summaries of the total volumes and curies associated with each category of waste. It is anticipated that some version or combination of these two reports will be included in the final version of this report, which will describe an evaluation method for determining management priorities for special case waste. Preliminary analysis of the inventory data indicates that approximately 1,000,000 m<sup>3</sup> of special case waste exist in the DOE system with possible insufficient treatment/storage/disposal capability or capacity. To help DOE prioritize the actions required to manage this large volume of special case waste, an evaluation method is required.

The purpose of this report is to describe a decisionmaking process for managing special case waste. This process is developed from a risk, needs, and cost based evaluation that results in a numerical rating for each waste item for continuing storage or implementing treatment. The priority evaluation described in this report will enable DOE to reach informed decisions about whether to act to implement the best available treatment or delay action and continue current storage activities.



There are two basic activities that must be performed to accomplish this task. The first activity is to apply a Decision Tree Analysis (DTA) to identify special case waste that warrants further evaluation. The second activity is to perform a Priority Evaluation (PE) on those wastes identified in the Decision Tree Analysis as being a continuing problem. Problem wastes consist of wastes with limited or no planned disposal alternatives; therefore, they require treatment or some other action. A waste is considered a problem for the following reasons:

- Risk or perceived risk to workers, public or the environment
- Lack of treatment availability
- Cost to develop treatment technology
- Failure to meet regulatory requirements
- Lack of disposal facilities.

A priority evaluation is needed to identify special case waste that warrants a higher priority for implementing action. The priority evaluation uses six parameters to numerically prioritize the possible actions for special case waste. The priority evaluation will enable DOE to make the most effective and efficient decisions regarding which special case wastes require immediate action and which can continue to be safely stored. These decisions are based on risk, needs, and cost. Summary tables in this report present a ranking of the priority evaluations and show the special case waste items that could continue to be stored and the special case waste items that should receive the best available treatment.

## DECISION TREE ANALYSIS

A Decision Tree Analysis is performed for most Data Record Sheets (DRSs) submitted for the DOE special case waste project. No Decision Tree Analysis, priority evaluation, or potential resolution will be performed for loan/lease materials (DOE-titled, but held by NRC licensees) and sealed sources (encapsulated material whose main purpose is to generate known amounts of radiation). These categories involve over 6,000 items with similar management problems. A potential resolution for loan/lease material and sealed sources can be arrived at without doing an individual priority evaluation for each item. The potential resolutions for these special case waste categories are not part of this report. All other data record sheets for the other special case waste categories have been evaluated in this report.

The Special Case Waste Treatment and Disposal Strategy Decision Tree, in Appendix A, graphically presents the logical steps in the Decision Tree Analysis determination of the waste management methods that must be applied to obtain final disposal of the special case waste. Problem wastes, designated B, are identified at various locations on the flow chart. These wastes require a priority evaluation and result from the following types of problems and potential resolutions:

<u>Problem Description</u>	<u>Resolution</u>
Not transportable for offsite disposal	Onsite treatment
No treatment available (on- or offsite)	Develop treatment method
Not transportable for offsite treatment	Onsite treatment
Offsite treatment still leaves problems	Better planning
No disposal site	Develop disposal capability

In addition to identifying problem wastes, the decision tree also identifies two actions required for some special case waste: characterization and onsite treatment. Waste that must be characterized or treated onsite also requires a priority evaluation. The characterization methods, including sampling of the waste, must be done onsite; otherwise, it cannot be determined if the uncharacterized waste will meet the transportation criteria. If immediate onsite treatment of the waste is available to render it a nonspecial

case, the waste is probably not a special case waste. However, future onsite treatment facilities may only be planned; therefore, continued storage of the special case waste is required.

Review of this Decision Tree Analysis shows that each site that has problem waste must have onsite facilities to characterize and treat that waste. In some cases the treatment may be simply repackaging to meet transportation criteria for offsite shipment for disposal or further treatment. However, it must be ensured that any offsite treatment will result in eventual disposal of the waste.

## PRIORITY EVALUATION

Based on the Decision Tree Analysis all special case waste that requires treatment will receive a priority evaluation. An outline for performing the priority evaluation is shown in Figure 1.

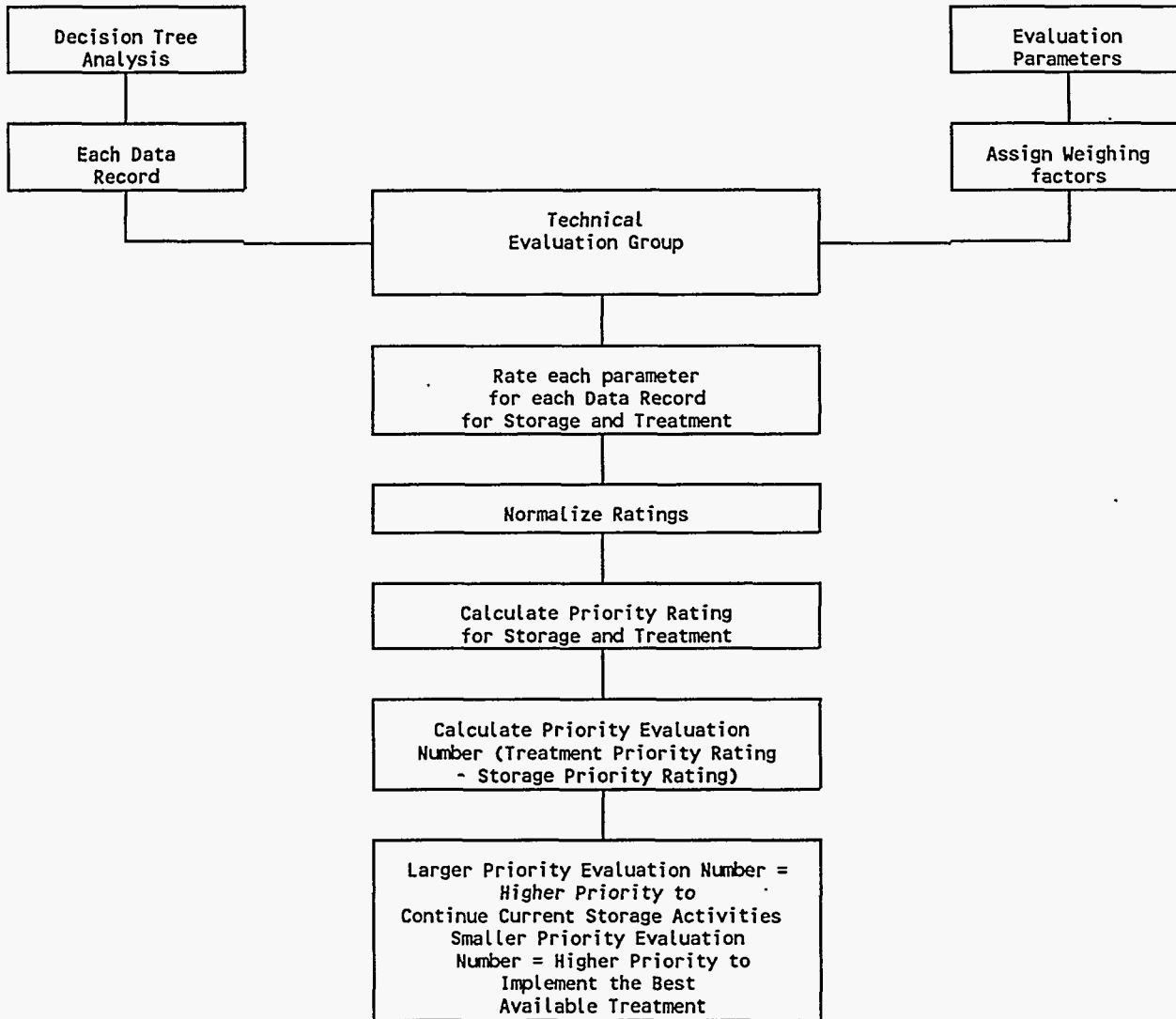


Figure 1. Guideline for priority evaluation of special case waste for management decisions.

The priority evaluation provides a method for DOE to make the most effective and reasonable decision regarding which special case wastes require immediate action and which can continue to be stored safely.

For this report, the priority evaluation is performed by the TSP. However, improvement to the priority evaluation may be achieved by a technical evaluation group of recognized experts from the various field offices in the DOE complex. These individuals should be site representatives that are acknowledged experts in treatment, storage, and disposal capabilities. Individual evaluations could then be collected and normalized by personnel designated by DOE-Headquarters.

Six parameters are evaluated for each priority evaluation: (1) estimated risk (environmental and health), (2) perceived risk (institutional and public), (3) regulatory requirements, (4) availability of storage or treatment, (5) feasibility of storage or treatment, and (6) estimated cost. These parameters are weighted by relative importance. The most important is rated 10, and the least important could be rated as low as 1. The weighting factors applied to these parameters must be given careful consideration because they greatly influence the final result. Suggested weighting factors that are used in this evaluation are as follows:

- Environmental/health estimated risk - 10
- Institutional/public perceived risk - 5
- Regulatory compliance - 9
- Availability of storage/treatment - 8
- Feasibility of storage/treatment - 8
- Estimated cost - 7

The evaluation is performed for continuing storage activities and for implementing the best available treatment to convert the special case waste to a non-special case waste. The evaluation consists of rating the risk, needs and cost of continuing storage and implementing treatment for each special case waste item. Rating guidance for continuing storage and implementing treatment is as follows:

- Estimated risk (environmental and health)
  - Low risk - 1
  - Medium risk - 5
  - High risk - 10
- Perceived risk (institutional and public)
  - Low - 1
  - Medium - 5
  - High - 10
- Regulatory compliance
  - High compliance, minimal regulatory concerns (OK) - 1
  - Unknown compliance, hazardous constituents unknown (?) - 5
  - High noncompliance, violation of agreements (problem) - 10

- Availability
  - Yes - 1
  - No - 10
- Feasibility
  - No problem (OK) - 1
  - Unknown (?) - 5
  - Space or capability/capacity problem - 10
- Estimated cost
  - Low - 1
  - Medium - 5
  - High - 10.

Multiplication of the rating by the weighting factor for each parameter and then summing the numbers for each parameter yields a numerical expression of the overall problem, which is called the priority rating (PR). A priority rating is calculated in this manner for continued storage and implementing treatment for each special case waste item.

The priority evaluation is then determined by subtracting the priority rating for storage from the priority rating for treatment for each data record sheet. The difference is the priority evaluation, which can be a positive or negative number. The larger the priority evaluation number, the higher the priority to continue current storage activities. The smaller the priority evaluation number, the higher the priority to act to implement the best available treatment. However, continued storage is not the final solution because the environmental and health risk will increase over time, and the storage capacity may be limited. Some form of treatment will eventually be required for most of the special case wastes that require a priority evaluation because permanent disposal is the ultimate goal.

The Decision Tree Analysis/priority evaluation process will direct which special case wastes warrant immediate treatment. Because this is strictly a tool to aid in decisionmaking, other overriding considerations may influence any final decisions.

## TREATMENT/STORAGE/DISPOSAL AT SITES HOLDING SPECIAL CASE WASTE

To perform a priority evaluation, one must be informed of the treatment, storage, and disposal capabilities and limitations of each site. A preliminary evaluation of these capabilities and limitations was made by reviewing the 1989 site Waste Management Implementation Plans. The pertinent information obtained from this review is listed in Tables 1 through 15. This information was used as an aid to decide how much of a problem continued storage or treatment of the special case waste might be. Changes to this information may influence the results of the priority evaluation. This information should be updated before any future priority evaluations are conducted.

Some information that may influence the priority evaluation, such as treatment capacity, was not always available. To conduct a more accurate priority evaluation, the evaluation must be redone using recognized experts from the various field offices in the DOE complex to provide a consensus evaluation.

Table 1. Hanford Waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
<b>TREATMENT</b>	Vitrification (99)	Vitrification (99) Segregation (96) Repackaging (96)  (WRAP-96 & 99) <sup>a</sup>	Cementation  (WRAP-96 & 99)	None  WRAP
<b>STORAGE</b>	Water Basin Storage Tanks	Temporary (25 year)	Temporary (25 year)	Temporary
<b>DISPOSAL</b>	None	None	Shallow Land Burial Concrete Vaults	None

a. WRAP = Waste Receiving and Packaging Facility

Table 2. Idaho National Engineering Laboratory waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
<b>TREATMENT</b>	Solidification Evaporation	Shredding (93) Compaction (93) Repackaging (93) Incineration (92)	Incineration Compaction Metal Sizing	None
<b>STORAGE</b>	Underground Tanks Concrete Vaults Water Pools Dry Casks	Covered Pads Buildings	Not Applicable	Covered Pads Buildings
<b>DISPOSAL</b>	None	None	SLB	None

Table 3. Los Alamos National Laboratory waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	Incineration	Precipitation Ion Exchange Size Reduction Incineration Repackaging	Incineration (91) Compaction Precipitation Ion Exchange	Incineration
STORAGE	Modified Shafts	Asphalt Pads Modified Pits Concrete Casks	Not Applicable	Earthen Bermed Areas Resource Conservation and Recovery Act Storage Pads (91)
DISPOSAL	None	None	Large Pits Greater Confinement Disposal Augered Shafts	Resource Conservation and Recover Act Landfill (92)

Table 4. Lawrence Berkeley Laboratory waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Evaporation	Crushing Compaction Precipitation Solidification Segregation	Compaction
STORAGE	None	Temporary	Temporary	Temporary
DISPOSAL	None	None	None	None

Table 5. Lawrence Livermore National Laboratory waste management capabilities

	HLW	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Solidification Size Reduction	Radioactive and Hazardous Waste Treatment Facility	Radioactive and Hazardous Waste Treatment Facility
STORAGE	None	Temporary	Temporary	Temporary
DISPOSAL	None	None	None	None



Table 6. Mound Laboratory waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Neutralization	Shredding Solidification Compaction Incineration Glass Melting	None
STORAGE	None	Temporary	Temporary	Temporary
DISPOSAL	None	None	None	None

Table 7. Nevada Test Site waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	None	Solar Evaporation Solidification Compaction	None
STORAGE	None	Temporary	Not Applicable	Temporary
DISPOSAL	None	None	Greater Confinement Disposal Shallow Land Burial Classified	Interim Status

Table 8. Oak Ridge Gaseous Diffusion Plant waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	None	Compaction Incineration Cementation Solidification Shredding Precipitation	Toxic Substances Control Act Incineration
STORAGE	None	None	Temporary	Low-Level Mixed Waste Storage Tanks
DISPOSAL	None	None	None	None

Table 9. Oak Ridge National Laboratory waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Compaction Shredding Size Reduction	Compaction Cementation	None
STORAGE	None	Temporary	Temporary	Temporary (Submitted Part B)
DISPOSAL	None	None	Greater Confinement Disposal Above Grade Tumulus	None

Table 10. Oak Ridge Y-12 Plant waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	None	Production Waste Treatment Facility (93)  Compaction Supercompaction	Production Waste Treatment Facility (93)
STORAGE	None	None	Classified Concrete Vaults	Classified Concrete Vaults
DISPOSAL	None	None	Shallow Land Burial	None

Table 11. Paducah Gaseous Diffusion Plant waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Cementation	Precipitation	None
STORAGE	None	Temporary	Temporary Storage Tanks	Temporary
DISPOSAL	None	None	None	None

Table 12. Portsmouth Gaseous Diffusion Plant waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	None	None	None
STORAGE	None	Temporary	Temporary	None
DISPOSAL	None	None	Shallow Land Burial until 1990 New Facilities (96)	None

Table 13. Rocky Flats Plant waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	Size Reduction Compaction Precipitation Immobilization Solidification Supercompaction Microwave Melting	Compaction Immobilization Cementation	None
STORAGE	None	Temporary	None	Temporary
DISPOSAL	None	None	None	None

Table 14. Sandia National Laboratory-Albuquerque waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	None	None	Compaction Solidification	Compaction Solidification
STORAGE	None	None	Temporary	Temporary
DISPOSAL	None	None	None	None

Table 15. Savannah River waste management capabilities

	High-Level Waste	Transuranic Waste	Low-Level Waste	Mixed Waste
TREATMENT	Evaporation Filtration Borosilicate Glass Defense Waste Processing Facility (92)	Transuranic Waste Facility (90)	Compaction Filtration Organic Removal Reverse Osmosis Ion Exchange Incineration	Consolidated Incineration Facility (92)
STORAGE	Storage Tanks Canister Storage	Temporary	Not Applicable	Waste Processing Tank Buildings
DISPOSAL	None	None	Shallow Land Burial Greater Confinement Disposal	Hazardous/Mixed Waste Disposal Facility (91)

## SPECIAL CASE WASTE DATA AND PRIORITY EVALUATIONS

The special case waste data and priority evaluations for each field office are shown in Tables 16 through 25. The tables have been split into parts A and B. Part A of a Table gives details on the special case waste material and Part B includes the data on the priority evaluation. The priority evaluations were performed assuming that all mixed waste is a regulatory problem for storage. A few comments on each of the field office tables follow.

Albuquerque - Some large diameter metal spheres containing plutonium need to be size reduced and packaged for shipment to the Waste Isolation Pilot Plant (WIPP). The walls are 2 or more inches thick and no facility is available at Los Alamos National Laboratory (LANL) for this work. LANL also has a Los Alamos Molten Plutonium Reactor Experiment reactor core, encased in concrete, that needs a final disposal facility identified. There is also some enriched uranium in various forms at LANL that should be sent to a recovery facility. A disposal method must be determined for some absorbed tritiated octane at Mound Laboratory.

Chicago - A disposal facility, somewhere in the DOE complex, for some nondefense transuranic (TRU) waste is needed. Performance assessments are needed to determine a disposal method and location for some other waste.

Idaho - A treatment facility for noncertifiable defense TRU waste is planned. A disposal facility for nondefense TRU waste and spent fuel is needed, and performance assessments are needed to determine a disposal method and location for some other waste.

Naval Reactors - Some characterization work is required to determine the extent of some of their problems. They are waiting for approval of a planned solidification facility for immobilization of some of their special case waste.

TABLE 16A ALBUQUERQUE SPECIAL CASE WASTE (SCW) INFORMATION

ALBUQUERQUE DETAILED SCW INFORMATION						
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE
AL-EGE1086-E1-100434	AL	PAL	DOE-DP	STORED	N-3	30 GALLON DRUM OVERPACKED IN 55 GAL DRUM 17C 55-GAL DRUM WITH 90 MIL HOPE LINERS STEEL BOXES (BOLTED) NOT ALL PACKAGED
AL-EGE1086-E1-100435	AL	NC DP TRU	DOE-DP	STORED	WAC	
AL-EGE1086-E1-100436	AL	NC DP TRU	DOE-DP	STORED	WAC	
AL-EGE1086-E1-100437	AL	OTHER WASTE	DOE-DP	STORED	UNCH	
AL-EGE1086-E1-100438	AL	NC DP TRU	DOE-DP	STORED	WAC	
AL-LAN1031-E1-100116	AL	NC DP TRU	DOE-DP	STORED	SIZE	
AL-LAN1031-E1-100117	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1031-E1-100118	AL	EXCESS	DOE-DP	STORED	HELD FOR DISPOSITION	
AL-LAN1031-E1-100119	AL	EXCESS	DOE-DP	STORED	HELD FOR DISPOSITION	
AL-LAN1032-E1-100120	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1032-E1-100121	AL	EXCESS	DOE-DP	STORED	>EDL	FILTERS IN AT LEAST (1) PLASTIC BAG & IN A CARDBOARD BOX 2 LITER POLY BOTTLES VARIOUS SMALL, ODD-SIZED, PAINT-TYPE CANS METAL PIPE CASK, ENCASED IN CONCRETE CRATES MADE OF 2X4 WOOD FRAMING, PLYWOOD, ETC. METAL PIPE "CASK" ENCASED IN CONCRETE 2-LITER POLY BOTTLES 2 LITER POLY BOTTLES 5-9/16" DIA, 304L, WELDED STAINLESS STEEL TUBE WITH 1-1/2" LONG BAIL UF GAS CYLINDERS GAS CYLINDERS
AL-LAN1034-E1-100122	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1035-E1-100123	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1036-E1-100124	AL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	
AL-LAN1037-E1-100125	AL	NC DP TRU	DOE-DP	STORED	SIZE	
AL-LAN1038-E1-100126	AL	NC DP TRU	DOE-DP	STORED	SIZE	
AL-LAN1039-E1-100127	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1039-E1-100133	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1040-E1-100128	AL	OTHER MATL	DOE-NE	STORED	SPRY FUEL	
AL-LAN1042-E1-100130	AL	EXCESS	DOE-DP	STORED	>EDL	
AL-LAN1042-E1-100131	AL	EXCESS	DOE-DP	STORED	>EDL	

Table 16B ALBUQUERQUE FIELD OFFICE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION											
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)											ENVI
	ESTIMATED RISK 10		PERCEIVED RISK 5		REGULATORY REQUIREMENTS 9	STORAGE		ESTIMATED COST 7	PRIORITY RATING			
ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	AVAILABILITY 8		FEASIBILITY 6						
AL-EGE1086-E1-100434	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-EGE1086-E1-100435	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-EGE1086-E1-100436	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-EGE1086-E1-100437	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-EGE1086-E1-100438	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1031-E1-100116	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1031-E1-100117	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1031-E1-100118	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1031-E1-100119	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1032-E1-100120	LOW 1	MED 5	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1033-E1-100121	LOW 1	LOW 1	LOW 1	LOW 1	PROBLEM 10	YES 1	OK 1	LOW 1	128			
AL-LAN1034-E1-100122	LOW 1	LOW 1	LOW 1	LOW 1	?	5	OK 1	LOW 1	83			
AL-LAN1035-E1-100123	LOW 1	LOW 1	LOW 1	LOW 1	?	5	OK 1	LOW 1	83			
AL-LAN1036-E1-100124	LOW 1	LOW 1	LOW 1	LOW 1	?	5	OK 1	LOW 1	83			
AL-LAN1037-E1-100125	LOW 1	LOW 1	LOW 1	LOW 1	PROBLEM 10	YES 1	OK 1	LOW 1	128			
AL-LAN1038-E1-100126	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-LAN1039-E1-100127	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-LAN1039-E1-100133	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-LAN1040-E1-100128	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47			
AL-LAN1042-E1-100130	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			
AL-LAN1042-E1-100131	LOW 1	LOW 1	LOW 1	LOW 1	OK 5	YES 1	OK 1	LOW 1	83			

HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL CI	AVE CI PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
CH	2	0.518	OCTANE ABSORBED ON VERMICULITE IN POLY BOTTLES IN 30 GAL DRUM	181	8.200E+03	4100.0	8.999E-01	0.450	YES
CH	90	23.3	SOLIDIFIED SLUDGE, INLINE COMBUSTIBLE & NONCOMBUSTIBLE WASTE	16300	1.463E+01	0.2	4.590E-01	0.005	NO
CH	70	20.6	SOLIDIFIED SLUDGE, INLINE COMBUSTIBLE & NONCOMBUSTIBLE WASTE	159000	1.463E+01	0.2	4.590E-01	0.007	NO
CH	75	19.4						0.000	UNKNOWN
RH	28	0.00476			1.900E+01	0.7	5.503E-01	0.020	NO
CH	4	12.8		31900	2.650E-01	0.1	7.800E-03	0.002	NO
CH	3	16		39900	3.120E-01	0.1	9.177E-03	0.002	NO
CH	5	22.4		14800	2.250E+03	321.4	1.169E+01	1.870	NO
CH	7	0.919		2100	5.147E+02	514.7	3.076E+00	3.076	NO
CH	1	2.29	FILTERS CONTAMINATED WITH U235	270	4.000E-03	0.0	1.141E-04	0.000	NO
CH	10	0.32	BE CONTAMINATED URANIUM OXIDE	13	3.000E-03	0.0	4.460E+00	0.446	YES
CH	4	0.4		90.7	1.000E+01	2.5	2.902E-01	0.073	UNKNOWN
CH	37	0.074		24.1	2.900E-02	0.0	1.000E-03	0.000	UNKNOWN
RH	1	2.1	LAMPRE REACTOR CORE	7260	4.230E+01	42.3	8.800E-01	0.880	UNKNOWN
CH	7	230	GLOVEBOX SECTIONS, SOME LARGE EQUIP ITEMS	14100	1.349E+02	19.3	4.492E+00	0.443	YES
RH	12	13.8	COMBUSTIBLE OR NONCOMBUSTIBLE HOT CELL WASTES IN METAL CANS	4350	1.484E+03	123.6	1.661E+00	0.138	UNKNOWN
CH	1	0.002	BE CONTAMINATED URANIUM OXIDE	26.8	8.400E-05	0.0	2.200E-06	0.000	UNKNOWN
CH	1	0.002	BE CONTAMINATED URANIUM OXIDE	2.3	8.400E-05	0.0	2.200E-06	0.000	UNKNOWN
CH	10	0.157	MIXED U/PU OXIDE, NITRIDE & CARBIDE FUEL PELLETS	567	4.361E+02	43.6	1.345E+01	1.349	NO
CH	4			8.34	7.000E-03	0.0	1.919E-04	0.000	UNKNOWN
CH	7		GASEOUS UF6 IN CYLINDERS	0.371	1.000E-03	0.0	1.450E-05	0.000	UNKNOWN
TOTAL	405	544.2		TOTAL 291093.6	1.312E+04	32.4			

IMPLEMENTATION OF THE BEST AVAILABLE TREATMENT TECHNOLOGY (IBAT)												POTENTIAL RESOLUTION
ESTIMATED RISK		PERCEIVED RISK		REGULATORY REQUIREMENTS 9	TREATMENT		ESTIMATED COST 7	PRIORITY RATING	PRIORITY EVALUATION			
ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC		AVAILABILITY 8	FEASIBILITY 8						
LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47	-36	PERFORM PA TO DETERMINE DISPOSAL METHOD (TRITIUM)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	67	20	REPACKAGE TO MEET WIPP MAC		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	67	20	REPACKAGE TO FIT INTO TRUPACT II		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	?	OK 1	MED 5	127	44	CHARACTERIZE WASTE TO DETERMINE DISPOSAL REQUIREMENTS		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	?	OK 1	MED 5	127	80	REPACKAGE AND SHIP TO WIPP (EXCESS HTL)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	HIGH 10	202	155	NEED NEW FACILITY TO PROCESS WASTE		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	HIGH 10	202	155	NEED NEW FACILITY TO PROCESS WASTE		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	HIGH 10	202	155	NEED NEW FACILITY TO PROCESS WASTE		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	HIGH 10	202	155	NEED NEW FACILITY TO PROCESS WASTE		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	MED 5	147	80	PACKAGE AND SHIP TO TREATMENT FACILITY (93% U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	MED 5	147	19	PACKAGE AND SHIP TO TREATMENT FACILITY (93% U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	MED 5	147	84	PACKAGE AND SHIP TO TREATMENT FACILITY (U-233)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	MED 5	147	64	PACKAGE AND SHIP TO TREATMENT FACILITY (93% U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	MED 5	147	64	PACKAGE AND SHIP TO TREATMENT FACILITY (93% U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47	-36	NEED TO IDENTIFY A DISPOSAL FACILITY (LARGE RH TRU REACTOR VESSEL)		
LOW 1	MED 5	LOW 1	LOW 1	PROBLEM 10	NO 10	YES 1	HIGH 10	283	155	NEED NEW FACILITY TO PROCESS MATERIAL		
LOW 1	MED 5	LOW 1	LOW 1	?	NO 10	?	HIGH 10	270	187	NOT CLEAN, ASSESS SIZE REDUCTION, SHIP TO WIPP		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	HIGH 10	119	36	PACKAGE AND SHIP TO TREATMENT FACILITY (U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	LOW 1	119	36	PACKAGE AND SHIP TO TREATMENT FACILITY (U-235)		
LOW 1	MED 5	HIGH 10	HIGH 10	OK 1	NO 10	?	HIGH 10	246.5	199.5	NEED NEW DISPOSAL FACILITY OR SEND TO YUCCA MOUNTAIN		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	LOW 1	119	36	PACKAGE AND SHIP TO TREATMENT FACILITY (U-235)		
LOW 1	MED 5	LOW 1	LOW 1	OK 1	NO 10	YES 1	LOW 1	119	36	PACKAGE AND SHIP TO TREATMENT FACILITY (93% U-235)		

TABLE 17A CHICAGO SPECIAL CASE WASTE (SCW) INFORMATION

CHICAGO DETAILED SCW INFORMATION							
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD
CH-ARG1090-E1-100442	CH	HC DP TRU	DOE-DP	STORED	TRANSP	DOE 17H 30 GALLON DRUM	RH
CH-ARG1097-E1-100417	CH	SPAR	DOE-NE	STORED	U235,238,HAP,HFP-TRU	HFEF-5 WASTE CAN (NEW-STYLE)	CH
CH-ARG1097-E1-100418	CH	SPAR	DOE-NE	STORED		HFEF-5 WASTE CAN (OLD STYLE)	CH
CH-ARG1097-E1-100419	CH	PAL	DOE-DP	STORED	SR-90 & CS-137	HFEF-5 WASTE CAN	CH
CH-BAT1014-E1-100055	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	HEPA FILTERS	CH
CH-BAT1014-E1-100056	CH	NON DP GEN TRU	DOE-NE	FUTURE	NON-DP		CH
CH-BAT1014-E1-100057	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	DEWATERED ION EXCHANGE RESIN	CH
CH-BAT1014-E1-100461	CH	NON DP GEN TRU	DOE-NE	FUTURE	NON-DP	DEWATERED ION EXCHANGE RESIN...FUTURE GENERATION FOR 10 YEARS	CH
CH-BAT1092-E1-100392	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	240 INDIVIDUALLY NUMBERED TIN WASTE CANS	CH
CH-BAT1092-E1-100393	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	UNPACKAGED WASTE	CH
CH-BAT1092-E1-100394	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	SEVEN 55-GAL DRUMS	CH
CH-BAT1092-E1-100395	CH	NON DP GEN TRU	DOE-NE	STORED	NON-DP	ARGONNE M111 STEEL BIN	CH
CH-BAT1092-E1-100396	CH	EXCESS	DOE-NE	STORED	>EDL	METAL CANS	CH
							TOT

Table 17B CHICAGO FIELD OFFICE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION												
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)								IMPLEMENTATION C				
	ESTIMATED RISK 10		PERCEIVED RISK 5		REGULATORY REQUIREMENTS 9		STORAGE		ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK 10		INS
ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	ENVIRONMENTAL	HEALTH	AVAILABILITY 8	FEASIBILITY 8			ENVIRONMENTAL	HEALTH		
CH-ARG1090-E1-100442	LOW 1	LOW 1	LOW 1	LOW 1	7	5	YES 1	OK 1	LOW 1	83	LOW 1	MED 5	
CH-ARG1097-E1-100417	LOW 1	LOW 1	LOW 1	LOW 1	7	5	YES 1	OK 1	LOW 1	83	LOW 1	LOW 1	
CH-ARG1097-E1-100418	LOW 1	LOW 1	LOW 1	LOW 1	7	5	YES 1	OK 1	LOW 1	83	LOW 1	LOW 1	
CH-ARG1097-E1-100419	LOW 1	LOW 1	LOW 1	LOW 1	7	5	YES 1	OK 1	LOW 1	83	LOW 1	LOW 1	
CH-BAT1014-E1-100055	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1014-E1-100056	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1014-E1-100057	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1014-E1-100461	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1092-E1-100392	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1092-E1-100393	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1092-E1-100394	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1092-E1-100395	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	
CH-BAT1092-E1-100396	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	1	YES 1	OK 1	LOW 1	47	LOW 1	LOW 1	

NO	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL CI	AVE CI PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
	45	6.83	SOLID COMBUSTIBLE & NONCOMBUSTIBLE MATLS	2140	7.840E+01	1.7	3.600E-02	0.001	NO
	5	0.65	TYPICALLY STAINLESS STEEL PARTS & HARDWARE		6.604E+04	13208.0	2.336E+02	46.721	YES
	359	46.7	TYPICALLY STAINLESS STEEL PARTS & HARDWARE		7.338E+06	20441.4	3.841E+04	106.984	YES
	33	4.29	TYPICALLY STAINLESS STEEL PARTS & HARDWARE		7.289E+04	2208.9	3.817E+02	11.568	YES
	1	8	NOT COMPACTED, METAL FRAMES & AIR FILTERING MATERIAL	1400	6.397E+01	64.0	6.270E-01	0.627	NO
	1	15		2500	3.245E+01	32.5	1.380E-01	0.138	UNKNOWN
	25	6.48		2900	1.165E+01	0.5	1.280E-01	0.005	NO
	50	13		32500	5.760E+01	1.2	5.200E-01	0.010	NO
	240	1.56	COMPACTED PAPER & PLASTIC, SOLIDIFIED LIQUID WASTE	544		0.0		0.000	NO
	1	3.54	SHAPED CHARGE CATCHER, IRRADIATED FUEL CONTAINMENT VESSEL	4540		0.0		0.000	NO
	7	1.81	LABORATORY WASTE, METAL, PAPER, PLASTIC	730	3.770E+01	5.4	1.300E+00	0.186	NO
	2	6.94	LABORATORY WASTE, METAL, PAPER, PLASTIC	1690	1.559E+01	7.8	5.730E-01	0.287	NO
	2	0.00379	PU-239 AS PU02	0.907	8.760E-01	0.4	2.711E-02	0.014	NO
AL	771	114.8	TOTAL	48944.90	7.478E+06	9698.7			

THE BEST AVAILABLE TREATMENT TECHNOLOGY (BAT)											
PERCEIVED RISK		REGULATORY REQUIREMENTS		TREATMENT		ESTIMATED COST	PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION		
SITUATIONAL	PUBLIC	7	8	AVAILABILITY	FEASIBILITY	9	10	11	12	13	
LOW	1	LOW	1	OK	1	YES	1	LOW	1	20	REPACKAGE TO FIT INTO RH TRU SHIPPING CONTAINER
LOW	1	LOW	1	OK	1	YES	1	LOW	1	47	PERFORM PA TO DETERMINE DISPOSAL METHOD (MFP & MAP)
LOW	1	LOW	1	OK	1	YES	1	LOW	1	47	PERFORM PA TO DETERMINE DISPOSAL METHOD (MFP & MAP)
LOW	1	LOW	1	OK	1	YES	1	LOW	1	47	PERFORM PA TO DETERMINE DISPOSAL METHOD (MFP & MAP)
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
MED	5	HIGH	10	PROBLEM	10	NO	10	HIGH	10	327.5	NEED NEW DISPOSAL FACILITY OR POTENTIALLY SEND TO WIPP OR YUCCA MTH
LOW	1	LOW	1	OK	1	YES	1	LOW	1	47	SHIP TO TREATMENT FACILITY (SMALL QUANTITY)



TABLE 18A IDAHO SPECIAL CASE WASTE (SCW) INFORMATION

IDAHO DETAILED SCW INFORMATION

SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	
ID-CPP1002-E1-100009	ID	NC DP TRU	DOE-DP	FUTURE	VAC		CH	UNKNOWN		
ID-CPP1002-E1-100010	ID	NC DP TRU	DOE-DP	FUTURE	VAC		CH	UNKNOWN		
ID-CPP1002-E1-100019	ID	NC DP TRU	DOE-DP	FUTURE	VAC		CH	UNKNOWN		
ID-DAN1001-E1-100001	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	UNPACKAGED-STORED IN HTR CANAL IN TEST TRAINS (2)	CH	2	0.238	12' TEST
ID-DAN1001-E1-100002	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL		CH	1	0.177	PBF TEST & CH
ID-DAN1001-E1-100004	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	HTR CANAL APPROVED FUEL STORAGE CANS. (2) (L-6 & L-8)	CH	2	0.0649	FUEL
ID-DAN1001-E1-100005	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	HTR CANAL FUEL STORAGE CANNISTERS. (4) (L-1,L-2,L-3,L-4)	CH	4	7920	MET ROD
ID-DAN1001-E1-100007	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	2 FUEL RODS, IN TST SHROUDS, NOT PKGED, STORED UNDERWATER	CH	2	0.00023	2 FUEL RODS
ID-DAN1001-E1-100008	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	76 AL/SS HTR CANAL STORAGE CANS	CH	76	1.22	MISC. FUEL ROD
ID-DEP1004-E1-100028	ID	NON DP GEN TRU	DOE-NE	STORED	SPNT FUEL	3 TYPES OF CANNISTERS, WATER FILLED & NOT CLOSED	CH	397	151	
ID-DOE1005-E1-100031	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	STAINLESS STEEL PRESSURE VESSELS	RH	3	1.19	ASSEMBL
ID-DOE1005-E1-100032	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	EMAD FUEL PIECES	CH	5	1.9	
ID-DOE1007-E1-100034	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	EMAD FUEL ASSEMBLIES	CH	11	2.06	
ID-DOE1007-E1-100035	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	COMMERCIAL FUEL ASSEMBLIES PARTIAL AND FULL	CH	307	57.4	
ID-DOE1008-E1-100036	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	PIECES OF COMMERCIAL FUEL RODS CONSOLIDATED INTO CANS	CH	43	16.3	
ID-DOE3019-E1-100030	ID	PAL	DOE-NE	STORED	MAP	LOFT FUEL AND SAMPLES	CH	12	4.55	
ID-EG41003-E1-100021	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	48 EMPTY FUEL ASSEMBLIES - MAY CONTAIN SOME CONTROL RODS.	RH	48	8.97	
ID-EG41006-E1-100033	ID	PAL	DOE-NE	STORED	URANIUM	2 EACH BXM TX4 DRUM OVERPACK	CH	2	9.63	VARIABLES,
ID-EG43018-E1-100022	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	AT TAN	CH	3		
ID-EG43018-E1-100023	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	METAL DRUMS	CH	4	1.04	
ID-EG43018-E1-100024	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	5 (83 GAL EA.) METAL DRUMS	CH	5	1.57	
ID-EG43018-E1-100025	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	4 METAL BOXES (NO DIMENSIONS GIVEN)	CH	4	10.9	
ID-EG43025-E1-100017	ID	PAL	DOE-DP	FUTURE	PU	6 ("OTHER") CONTAINERS..SOME ARE WOODEN	CH	6	217	
ID-EG43025-E1-100020	ID	PAL	DOE-DP	FUTURE	PU	30-, 55-, AND 83 GALLON STEEL DRUMS	CH	60707	41500000	
ID-EG43026-E1-100018	ID	NON DP GEN TRU	DOE-NE	STORED	NON-DP	FRP, METAL, & MIII BINS (EST. TOTAL 200 BOXES/YR OVER 23 YRS)	CH	4559	15500	
ID-EG43027-E1-100026	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	55-GAL DRUM	CH	152	39.4	
ID-EG43027-E1-100027	ID	NON DP GEN TRU	DOE-NE	STORED	COMN GEN	METAL BINS, (96FT3 EA)	CH	8	21.7	
ID-PRP3022-E1-100003	ID	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	55-GAL DRUMS	RH	59	15.3	
ID-ROC1109-E1-100441	ID	PAL	DOE-DP	FUTURE	URANIUM	NOT PKGED-IN REACTOR CORE CANS & FUEL STORAGE RACKS IN PBF CANAL	CH	62	11	FUEL ROD
ID-WIM3015-E1-100012	ID	NON DP GEN TRU	DOE-DP	FUTURE	VAC	AS REQUIRED BY DRAFT DOE-1E ORDER 5820.2A	CH	15	1.14	
ID-WIM3015-E1-100013	ID	PAL	DOE-DP	FUTURE	TRU		CH	UNKNOWN		
ID-WIM3015-E1-100014	ID	FUTURE GEN	DOE-DP	FUTURE	SPNT FUEL	MAY BE PLACED IN BUCKETS	CH	1	3.4	
ID-WIM3015-E1-100015	ID	PAL	DOE-DP	FUTURE	TRU		CH	UNKNOWN		
ID-WIM3015-E1-100016	ID	PAL	DOE-DP	FUTURE	TRU		CH	UNKNOWN		
ID-WIM3021-E1-100011	ID	NC DP TRU	DOE-DP	FUTURE	VAC		CH	UNKNOWN		
								TOTAL	66500	4,152E+07

Table 18B IDAHO FIELD OFFICE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

PRIORITY EVALUATION

SCW ID CODE #	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)										IMPLEMENTATION C								
	ESTIMATED RISK 10		PERCEIVED RISK 5				REGULATORY REQUIREMENTS 9	STORAGE		ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK 10							
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	AVAILABILITY 8	FEASIBILITY 8		ENVIRONMENTAL	HEALTH			INS							
ID-CPP1002-E1-100009	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-CPP1002-E1-100010	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-CPP1002-E1-100019	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100001	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100002	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100004	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100005	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100007	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DAN1001-E1-100008	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DEP1004-E1-100028	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-DOE1005-E1-100031	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-DOE1005-E1-100032	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-DOE1007-E1-100034	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-DOE1007-E1-100035	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-DOE1008-E1-100036	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-DOE3019-E1-100030	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-EG41003-E1-100021	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-EG41006-E1-100033	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
ID-EG43018-E1-100022	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-EG43018-E1-100023	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-EG43018-E1-100024	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-EG43018-E1-100025	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
ID-EG43025-E1-100017	LOW	1	LOW	1	MED	5	PROBLEM	10	NO	10	OK	1	MED	5	248	LOW	1	MED	5
ID-EG43025-E1-100020	LOW	1	LOW	1	MED	5	PROBLEM	10	NO	10	OK	1	MED	5	248	LOW	1	MED	5
ID-EG43026-E1-100018	LOW	1	LOW	1	MED	5	?	5	YES	1	OK	1	LOW	1	103	LOW	1	MED	5
ID-EG43027-E1-100026	LOW	1	LOW	1	MED	5	?	5	YES	1	OK	1	LOW	1	103	LOW	1	MED	5
ID-EG43027-E1-100027	LOW	1	LOW	1	MED	5	?	5	YES	1	OK	1	LOW	1	103	LOW	1	MED	5
ID-PRP3022-E1-100003	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-ROC1109-E1-100441	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3015-E1-100012	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3015-E1-100013	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3015-E1-100014	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3015-E1-100015	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3015-E1-100016	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
ID-WIM3021-E1-100011	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5

FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL CI	AVERAGE CI PER CONTAINER	TOTAL WATTS	AVERAGE WATTS PER CONTAINER	MIXED WASTE
HEPA FILTERS			ERR		ERR	UNKNOWN
IPA FILTER IN A SPECIAL HOUSING			ERR		ERR	UNKNOWN
HEPA FILTERS			ERR		ERR	UNKNOWN
IT TRAINS CONTAINING 4' FUEL BUNDLES	635	7.000E+03	0.0	1.885E-04	0.000	NO
DRE FUEL RODS (TERTIARY) PELLETS & SAMPLES	45.4	2.274E+00	2.3	7.000E-02	0.070	NO
BUNDLE REMNANTS AND NET MOUNTS	90.7	6.006E+00	3.0	1.860E-01	0.093	YES
NETS & CORE SAMPLES & REMNANT PIECES	181	4.214E+00	1.1	1.300E-01	0.033	NO
5 - 5" DIA X 3' LONG, NOT SEALED OR PKGED		6.100E-02	0.0	2.000E-03	0.001	NO
RODS, REMNANTS, NET MOUNTS OF PBF TEST FUEL	1720	2.317E+01	0.3	7.160E-01	0.009	NO
	384000	6.030E+06	15188.9		0.000	NO
TYPE OF CARTRIDGE FILTERS WITH FILTRATE	864	2.005E+01	6.7	1.000E-03	0.000	UNKNOWN
	7480	1.913E+06	173883.0	8.392E+01	7.629	UNKNOWN
	209000	6.396E+06	20832.9	1.758E+02	0.573	UNKNOWN
	29200	6.256E+06	145487.8	1.848E+02	4.298	UNKNOWN
		2.012E+04	1676.8	3.768E+00	0.314	UNKNOWN
UNPACKAGED MOSTLY DRY SOLID RAGS, PLASTIC, WOOD	1700	2.000E+02	4.2		0.000	UNKNOWN
	1425	2.500E+01	12.5	8.319E-01	0.416	NO
		5.294E-05	0.0	1.400E-06	0.000	UNKNOWN
		4.000E-03	0.0	1.331E-04	0.000	UNKNOWN
		4.600E+00	0.9	1.531E-01	0.031	UNKNOWN
		8.100E+01	20.3	2.696E+00	0.674	UNKNOWN
		6.000E-02	0.0	1.997E-03	0.000	UNKNOWN
SOLID WASTE	10000000	5.000E+04	0.8	1.664E+03	0.027	YES
SOLID WASTE	5010000		0.0		0.000	YES
	1660	4.427E+01	0.3	6.870E-01	0.005	UNKNOWN
	8540	1.600E+01	2.0	5.290E-01	0.066	UNKNOWN
	6000	5.300E+02	9.0	1.752E+01	0.297	UNKNOWN
IS ABOUT 3/4" DIA. X 3' LONG (2425 RODS)	7030	3.750E-01	0.0	1.000E-02	0.000	NO
		2.958E+00	0.2	7.700E-02	0.005	NO
HEPA FILTERS			ERR		ERR	UNKNOWN
SPENT RESIN			ERR		ERR	UNKNOWN
CORRODED AL FUEL TUBECULES			ERR		ERR	UNKNOWN
RODGE COLLECTED ON FLOOR OF BASINS			ERR		ERR	UNKNOWN
FILTERED SOLIDS			ERR		ERR	UNKNOWN
HEPA FILTERS			ERR		ERR	UNKNOWN
TOTAL	1.57E+07	2.067E+07	310.8			

IF THE BEST AVAILABLE TREATMENT TECHNOLOGY (IBAT)														
PERCEIVED RISK		TREATMENT				ESTIMATED COST	PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION					
INSTITUTIONAL	PUBLIC	REGULATORY REQUIREMENTS	AVAILABILITY	FEASIBILITY	7									
LOW	LOW	7	5	NO	10	YES	1	MED	5	203	156	IMMOBILIZE, PACKAGE AND SEND TO WIPP		
LOW	LOW	7	5	NO	10	YES	1	MED	5	203	156	IMMOBILIZE, PACKAGE AND SEND TO WIPP		
LOW	LOW	7	5	NO	10	YES	1	MED	5	203	156	IMMOBILIZE, PACKAGE AND SEND TO WIPP		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	7	5	NO	10	YES	1	HIGH	10	238	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY		
LOW	LOW	PROBLEM	10	NO	10	YES	1	MED	5	228	100	PERFORM PA TO DETERMINE DISPOSAL METHOD AND LOCATION		
LOW	LOW	OK	1	YES	1	YES	1	LOW	1	47	-36	CERTIFY AT SWEPP AND SEND TO WIPP (MEX Am)		
LOW	LOW	OK	1	YES	1	YES	1	LOW	1	47	-36	CERTIFY AT SWEPP AND SEND TO WIPP (MEX Am)		
LOW	LOW	OK	1	YES	1	YES	1	LOW	1	47	-36	CERTIFY AT SWEPP AND SEND TO WIPP (MEX Am)		
LOW	LOW	OK	1	YES	1	YES	1	LOW	1	47	-36	CERTIFY AT SWEPP AND SEND TO WIPP (MEX Am)		
MED	5	MED	5	PROBLEM	10	7	5	YES	1	MED	5	208	-40	PERFORM PA TO DETERMINE DISPOSAL METHOD AND LOCATION
MED	5	MED	5	PROBLEM	10	7	5	YES	1	MED	5	208	-40	PERFORM PA TO DETERMINE DISPOSAL METHOD AND LOCATION
LOW	1	LOW	1	7	5	7	5	YES	1	MED	5	143	40	IDENTIFY A DISPOSAL FACILITY (NON DP TRU)
LOW	1	LOW	1	7	5	7	5	YES	1	MED	5	143	40	IDENTIFY A DISPOSAL FACILITY (NON DP TRU)
LOW	1	LOW	1	7	5	7	5	YES	1	MED	5	143	40	IDENTIFY A DISPOSAL FACILITY (NON DP TRU)
LOW	1	LOW	1	OK	1	NO	10	YES	1	HIGH	10	202	155	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY
LOW	1	LOW	1	OK	1	YES	1	YES	1	LOW	1	47	0	PERFORM PA TO DETERMINE DISPOSAL METHOD AND LOCATION
LOW	1	LOW	1	7	5	NO	10	YES	1	MED	5	203	156	IMMOBILIZE, PACKAGE AND SEND TO WIPP
LOW	1	LOW	1	7	5	YES	1	YES	1	LOW	1	83	36	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW	1	LOW	1	7	5	NO	10	YES	1	HIGH	10	218	171	NEED TO DESIGNATE A DISPOSAL FACILITY OR SEND TO HLW REPOSITORY
LOW	1	LOW	1	7	5	YES	1	YES	1	LOW	1	83	36	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW	1	LOW	1	7	5	YES	1	YES	1	LOW	1	83	36	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW	1	LOW	1	7	5	NO	10	YES	1	MED	5	203	156	IMMOBILIZE, PACKAGE AND SEND TO WIPP

TABLE 19A NAVAL REACTORS SPECIAL CASE WASTE (SCW) INFORMATION

NAVAL REACTORS DETAILED SCW INFORMATION							
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD
NR-DOE2079-E1-101028	NR	SPAR	DOE-DP	FUTURE	HAP	55 GAL DRUMS & SS BOXES	CH
NR-GEN2080-E1-101029	NR	HC DP TRU	DOE-DP	STORED	TRANSP		RH
NR-U.S2078-E1-101027	NR	SPAR	DOE-DP	FUTURE	HAP	316 STAINLESS STEEL TANKS	CH
NR-WES2081-E1-101030	NR	OTHER WASTE	DOE-DP	STORED	UNCH		CH
NR-WES2082-E1-101031	NR	OTHER WASTE	DOE-DP	FUTURE	UNCH	TO BE DETERMINED UNPACKAGED	RH
NR-WES2082-E1-101033	NR	OTHER WASTE	DOE-DP	OTHER	UNCH		RH
NR-WES2082-E1-101033	NR	HC DP TRU	DOE-DP	STORED	WAC	55 TON SCRAP CASK INSERTS	RH
NR-WES2082-E1-101034	NR	SPAR	DOE-DP	FUTURE			CH
NR-WES2082-E1-101035	NR	SPAR	DOE-DP	STORED		55 TON SCRAP CASK INSERTS	CH
							TOTAL

Table 19B NAVAL REACTORS SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION																					
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)											IMPLEMENTATION										
	ESTIMATED RISK		PERCEIVED RISK				REGULATORY REQUIREMENTS	STORAGE			ESTIMATED COST	PRIORITY RATING	ESTIMATED RISK									
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	5	AVAILABILITY		6	FEASIBILITY	8			ENVIRONMENTAL	HEALTH								
NR-DOE2079-E1-101028	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1	
NR-GEN2080-E1-101029	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1	
NR-U.S2078-E1-101027	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1	
NR-WES2081-E1-101030	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	5	YES	1	OK	1	LOW	1	83	LOW	1	LOW	1
NR-WES2082-E1-101031	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	7	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
NR-WES2082-E1-101032	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	7	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
NR-WES2082-E1-101033	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	5	YES	1	OK	1	LOW	1	83	LOW	1	LOW	1
NR-WES2082-E1-101034	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	7	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
NR-WES2082-E1-101035	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	7	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1

NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL Ci	AVE Ci PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
1		CLASSIFIED HARDWARE (METAL)			0.0		0.0	NO
1	3	VARIOUS FORMS-NO LIQUIDS			0.0		0.0	NO
1		CLASSIFIED HARDWARE (METAL)			0.0		0.0	NO
1	4				0.0		0.0	UNKNOWN
1	2.83	CHIPS & FINES WILL BE STORED UNDERWATER	56.7		0.0		0.0	UNKNOWN
1	5.66	CHIPS & FINES WILL BE STORED UNDERWATER	1130		0.0		0.0	UNKNOWN
1	6.51	SOLIDIFY FINES IN CONCRETE		4.630E-04	0.0	1.270E-05	0.0	UNKNOWN
1	2.83	IRRADIATED METAL COMPONENTS	2720		0.0		0.0	NO
3	8.5	IRRADIATED METAL COMPONENTS	8160	1.072E+06	357190.0	8.895E+03	2965.2	NO
11	33.33	TOTAL	229267.	2.143E+07	1948309.1			

OF THE BEST AVAILABLE TREATMENT TECHNOLOGY (BAT)										POTENTIAL RESOLUTION				
PERCEIVED RISK		5	TREATMENT				ESTIMATED COST	PRIORITY RATING	PRIORITY EVALUATION					
INSTITUTIONAL	PUBLIC	REGULATORY REQUIREMENTS	9	AVAILABILITY	8	FEASIBILITY	6	7						
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	OBTAIN APPROVED PA FOR DISPOSAL (MAP)
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	REPACKAGE TO MEET WIPP RH CASK PCP
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	OBTAIN APPROVED PA FOR DISPOSAL (MAP)
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	-36	CHARACTERIZE TO DETERMINE IF WASTE IS A PROBLEM
LOW	1	LOW	1	7	5	NO	10	OK	1	MED	5	183	136	WAIT FOR APPROVAL OF SOLIDIFICATION PROCESS
LOW	1	LOW	1	7	5	NO	10	OK	1	MED	5	183	136	WAIT FOR APPROVAL OF SOLIDIFICATION PROCESS
LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	0	TREAT TO IMMOBILIZE PARTICULATES
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	OBTAIN APPROVED PA FOR DISPOSAL (MAP)
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	OBTAIN APPROVED PA FOR DISPOSAL (MAP)

TABLE 20A NEVADA SPECIAL CASE WASTE (SCW) INFORMATION

NEVADA DETAILED SCW INFORMATION										
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL.(m <sup>3</sup> )	
NV-REE1009-E1-100037	NV	NC DP TRU	DOE-DP	DISPOSED	CLASFD	55-GAL DRUMS	CH	152	39.4	SO
NV-REE1009-E1-100038	NV	NC DP TRU	DOE-DP	STORED	CLASFD	55-GAL DRUM	CH	210	54.4	
NV-REE1009-E1-100039	NV	NC DP TRU	DOE-DP	DISPOSED	CLASFD	55-GAL DRUMS	CH	74	19.2	SO
NV-REE1009-E1-100040	NV	NC DP TRU	DOE-DP	DISPOSED	CLASFD	55-GAL DRUM	CH	102	26.4	SO
NV-REE1009-E1-100041	NV	NC DP TRU	DOE-DP	STORED	CLASFD	55-GAL DRUM	CH	38	9.84	SO
NV-REE1009-E1-100042	NV	NC DP TRU	DOE-DP	DISPOSED	CLASFD	55-GAL DRUM	CH	32	8.29	SO
NV-REE1009-E1-100043	NV	NC DP TRU	DOE-DP	STORED	CLASFD	6-M DRUMS	CH	47	2.4	
NV-REE1010-E1-100044	NV	PAL	DOE-DP	STORED	URANIUM	55-GAL DRUM	CH	8	2.07	MO
NV-REE1010-E1-100045	NV	PAL	DOE-DP	STORED	URANIUM	WOODEN BOX	CH	217	633	MO
NV-REE1010-E1-100046	NV	PAL	DOE-DP	STORED	URANIUM DAUGHTERS	WOODEN BOX	CH	51	9240	MO
NV-REE1011-E1-100047	NV	NC DP TRU	DOE-DP	STORED	WAC	55-GAL DRUM	CH	207	53.6	DR
NV-REE1011-E1-100048	NV	NC DP TRU	DOE-DP	STORED	TRANSP	METAL BOXES	CH	58	273	DR
TOTAL								1196	10361.6	

Table 20B NEVADA TEST SITE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION													
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)										IMPLEMENTATION			
	ESTIMATED RISK 10		PERCEIVED RISK 5				STORAGE				ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK 10	
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	REGULATORY REQUIREMENTS 9	AVAILABILITY 8	FEASIBILITY 8	ESTIMATED COST 7	PRIORITY RATING	ENVIRONMENTAL			HEALTH	
NV-REE1009-E1-100037	MED 5	MED 5	MED 5	LOW 1	7 5	7 5	7 5	7 5	LOW 1	197	MED 5	MED 5		
NV-REE1009-E1-100038	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47	LOW 1	MED 5	MED 5		
NV-REE1009-E1-100039	MED 5	MED 5	MED 5	LOW 1	7 5	7 5	7 5	LOW 1	197	MED 5	MED 5	MED 5		
NV-REE1009-E1-100040	MED 5	MED 5	MED 5	LOW 1	7 5	7 5	7 5	LOW 1	197	MED 5	MED 5	MED 5		
NV-REE1009-E1-100041	LOW 1	LOW 1	LOW 1	LOW 1	7 5	7 5	7 5	LOW 1	147	LOW 1	MED 5	MED 5		
NV-REE1009-E1-100042	MED 5	MED 5	MED 5	LOW 1	7 5	7 5	7 5	LOW 1	197	MED 5	MED 5	MED 5		
NV-REE1009-E1-100043	LOW 1	LOW 1	LOW 1	LOW 1	7 5	7 5	7 5	LOW 1	147	LOW 1	MED 5	MED 5		
NV-REE1010-E1-100044	LOW 1	LOW 1	LOW 1	LOW 1	PROBLEM 10	NO 10	OK 1	LOW 1	200	LOW 1	LOW 1	LOW 1		
NV-REE1010-E1-100045	LOW 1	LOW 1	LOW 1	LOW 1	PROBLEM 10	NO 10	OK 1	LOW 1	200	LOW 1	LOW 1	LOW 1		
NV-REE1010-E1-100046	LOW 1	LOW 1	LOW 1	LOW 1	PROBLEM 10	NO 10	OK 1	LOW 1	200	LOW 1	LOW 1	LOW 1		
NV-REE1011-E1-100047	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47	LOW 1	MED 5	MED 5		
NV-REE1011-E1-100048	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	OK 1	LOW 1	47	LOW 1	MED 5	MED 5		

FORM DESCRIPTION	TOTAL WGT.(kg)	TOTAL Ci	AVE Ci PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
SLID SCRAP METAL, D-38, GRAPHITE, PLASTIC.	12900	8.505E+02	5.60	2.632E+01	0.173	UNKNOWN
SOLID SCRAP	16700	2.280E+02	1.09	7.053E+00	0.034	NO
SLID SCRAP METAL, D-38, GRAPHITE	5440	1.230E+02	1.66	3.805E+00	0.051	UNKNOWN
SLID SCRAP METAL, PLASTIC, GRAPHITE, D-38	8330	4.980E+02	4.88	1.541E+01	0.151	UNKNOWN
SLID SCRAP METAL, D-38, GRAPHITE, PLASTIC	3480	8.000E+01	2.11	2.475E+00	0.065	UNKNOWN
SLID SCRAP METAL, D-38, GRAPHITE	2350	4.220E+01	1.32	1.305E+00	0.041	UNKNOWN
SOLID	1490	2.710E+02	5.77	8.942E+00	0.190	UNKNOWN
LIST SOLID, PRINCIPAL CONSTITUENTS URANIUM & IRON	2330	2.000E+00	0.25	5.664E-02	0.007	YES
LIST SOLID, PRINCIPAL CONSTITUENTS URANIUM & IRON	360000	2.520E+02	1.16	7.142E+00	0.033	YES
LIST SOLID, PRINCIPAL CONSTITUENTS URANIUM & IRON	53100	3.510E+01	0.69	9.940E-01	0.019	YES
Y SOLIDS-MOSTLY COMBUSTIBLES PLUS SOME METALS	13500	3.310E+01	0.16	1.025E+00	0.005	NO
Y SOLIDS-GLOVEBOXES & EQUIP-METALS & COMBUSTIBLES	83100	1.310E+02	4.06	4.057E+00	0.070	NO
TOTAL	562720	2.546E+03	2.13			

OF THE BEST AVAILABLE TREATMENT TECHNOLOGY (BAT)

PERCEIVED RISK		REGULATORY REQUIREMENTS		TREATMENT		ESTIMATED COST	PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION
ENVIRONMENTAL	PUBLIC	5	9	AVAILABILITY 8	FEASIBILITY 8	7			
MED 5	MED 5	7	5	NO 10	OK 1	MED 5	243	46	RECOVER, SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
LOW 1	MED 5	OK	1	YES 1	OK 1	LOW 1	77	30	SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
MED 5	MED 5	7	5	NO 10	OK 1	MED 5	243	46	RECOVER, SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
MED 5	MED 5	7	5	NO 10	OK 1	MED 5	243	46	RECOVER, SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
LOW 1	MED 5	7	5	NO 10	OK 1	MED 5	213	66	SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
MED 5	MED 5	7	5	NO 10	OK 1	MED 5	243	46	RECOVER, SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
LOW 1	MED 5	7	5	NO 10	OK 1	HIGH 10	248	101	SHIP, TREAT TO DESTROY CLASSIFIED SHAPES (Pu-52 WG)
LOW 1	LOW 1	PROBLEM 10	YES 1	YES 1	OK 1	LOW 1	128	-72	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW 1	LOW 1	PROBLEM 10	YES 1	YES 1	OK 1	LOW 1	128	-72	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW 1	LOW 1	PROBLEM 10	YES 1	YES 1	OK 1	LOW 1	128	-72	PERFORM PA TO DETERMINE DISPOSAL METHOD
LOW 1	LOW 1	OK 1	NO 10	NO 10	OK 1	HIGH 10	202	155	AEROSOL CANS NOW MEET THE MIPP VAC. NO TREATMENT NEEDED.
LOW 1	LOW 1	OK 1	NO 10	NO 10	OK 1	HIGH 10	202	155	REPACKAGE TO FIT INTO TRUPACT-II

TABLE 21A OAK RIDGE SPECIAL CASE WASTE (SCW) INFORMATION

OAK RIDGE DETAILED SCW INFORMATION										
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	DE1
DR-DOE2214-E1-101382	OR	EXCESS	DOE-WE	STORED		STEEL, CYLINDERS TO CONTAIN 2.5, 10214 TONS	CM	36000	108000	SOLIDIFIED UF6
DR-DOE2214-E1-101383	OR	EXCESS	DOE-WE	FUTURE		STEEL, CYLINDERS TO CONTAIN 2.5, 10214 TONS	CM	264	792	SOLIDIFIED UF6
DR-DOE2214-E1-101384	OR	PAL	OTHER	FUTURE		TBD.	CM	1		TBD - LIKELY DAP
DR-MHE1117-E1-100457	OR	OTHER WASTE	DOE-WE	STORED	SPHT FUEL	INTACT PEACH BOTTOM FUEL ELEMENTS	RH	10	0.23	INTACT FUEL ELEMENTS
DR-MHE1117-E1-100458	OR	OTHER WASTE	DOE-WE	STORED	SPHT FUEL	PEACH BOTTOM CUT UP AND SCRAP MATERIAL	RH	15	1.13	
DR-MHE2211-E1-101361	OR	EXCESS	DOE-DP	STORED	>EDL		CM	1		
DR-MHE2211-E1-101362	OR	EXCESS	DOE-DP	STORED	>EDL		CM	1		MATERIAL TYPE 74 (U-232)
DR-MHE2211-E1-101363	OR	EXCESS	DOE-DP	STORED	>EDL	9 CANS	CM	9		C/P FORM 132 UNALLOYED
DR-MHE2211-E1-101364	OR	EXCESS	DOE-DP	STORED	>EDL	1 CAPSULE	CM	1		C/P FORM 154 UNALLOYED
DR-MHE2211-E1-101365	OR	EXCESS	DOE-DP	STORED	>EDL	1 CAPSULE	CM	1		C/P FORM 238, BILLETS PI
DR-MHE2211-E1-101366	OR	EXCESS	DOE-DP	STORED	>EDL		RH	5		C/P FORM 392, NO PLANNED
DR-MHE2211-E1-101367	OR	EXCESS	DOE-DP	STORED	>EDL	190 CANS TOTAL	CM	190		C/P FORM 434 DIOXIDES PI
DR-MHE2211-E1-101368	OR	EXCESS	DOE-DP	STORED	>EDL	230 CANS TOTAL	CM	230		C/P FORM 455 OTHER OXID
DR-MHE2211-E1-101369	OR	EXCESS	DOE-DP	STORED	>EDL	3 CONTAINERS	CM	3		C/P FORM 703 NITRATE SO
DR-MHE2211-E1-101370	OR	EXCESS	DOE-DP	STORED	>EDL	13 CANS	CM	13		C/P FORM 721 UNALLOYED
DR-MHE2211-E1-101371	OR	EXCESS	DOE-DP	STORED	>EDL	3 CANS	CM	3		C/P FORM 722 ALLOYED NEI
DR-MHE2211-E1-101372	OR	EXCESS	DOE-DP	STORED	>EDL	30 CANS	CM	30		C/P FORM 725 COMPOUNDS
DR-MHE2211-E1-101373	OR	EXCESS	DOE-DP	STORED	>EDL	16 CANS	CM	16		C/P FORM 729 PROCESS REI
DR-MHE2211-E1-101374	OR	EXCESS	DOE-DP	STORED	>EDL		CM	1		C/P FORM 771 SAMPLES AM
DR-MHE2211-E1-101375	OR	EXCESS	DOE-DP	STORED	>EDL	138 CANS	CM	138		C/P FORM 774 EXPERIMENTAL CA
DR-MHE2211-E1-101376	OR	EXCESS	DOE-DP	STORED	>EDL	11 CANS	CM	11		C/P FORM 775 MISCELLANEO
DR-MHE2212-E1-101377	OR	EXCESS	DOE-DP	STORED		OAK RIDGE NUCLEAR MATERIAL PROD. INVENTORY	CM	1		26 FOLDS OF 1
DR-MHE2212-E1-101378	OR	EXCESS	DOE-DP	STORED		OAK RIDGE NUCLEAR MATERIALS PROD. INVENTORY	CM	1		26 FOLDS OF 1
DR-MHE2212-E1-101379	OR	PAL	DOE-DP	STORED	TH-232	UNK	CM	1		10,000 GRAMS OF THORIUM
DR-MHE2212-E1-101380	OR	PAL	DOE-DP	STORED	TH-232	UNK	CM	1		110 kg of TH O2 PELLETS
DR-MHE2213-E1-101381	OR	PAL	DOE-DP	STORED		UNK	CM	1		4,140 GRAMS OF THORIUM
DR-ORH1115-E1-100455	OR	NC DP TRU	DOE-DP	STORED	UAC		CM	402	1.79	
DR-PAD1013-E1-100051	OR	PAL	DOE-DP	STORED	URANIUM	55 GAL METAL DRUMS (SOME ARE OVERPACKS)	CM	14	3.63	
DR-PAD1013-E1-100052	OR	SPAR	DOE-DP	STORED	HFP, TRU	55 GAL DRUMS	CM	5	1.3	
DR-PAD1013-E1-100053	OR	PAL	DOE-DP	STORED	PU-239	55 GALLON METAL DRUMS	CM	9	2.33	
DR-PAD1013-E1-100054	OR	NC DP TRU	DOE-DP	STORED	TRANSP	55-GALLON METAL DRUMS IN OVERPACKS	CM	8	2.07	
DR-POR1111-E1-100430	OR	EXCESS	DOE-DP	STORED		112 MOHEL CYLINDERS	CM	112	0.901	URANIUM FUEL IN MOHEL C
DR-POR2077-E1-101006	OR	EXCESS	DOE-DP	FUTURE	>EDL		CM	34	0.34	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101007	OR	EXCESS	DOE-DP	FUTURE	>EDL	5"X41" (10 L)	CM	200	2	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101008	OR	EXCESS	DOE-DP	FUTURE	>EDL	5"X41" (10 L)	CM	150	1.5	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101009	OR	EXCESS	DOE-DP	FUTURE	>EDL		CM	168	43.5	AL, MG, OR NA F
DR-POR2077-E1-101010	OR	EXCESS	DOE-DP	FUTURE	>EDL		CM	11	2.85	AL, MG, OR NA F
DR-POR2077-E1-101011	OR	EXCESS	DOE-DP	FUTURE	>EDL		CM	18	0.138	AL, MG, OR NA F
DR-POR2077-E1-101012	OR	EXCESS	DOE-DP	FUTURE	>EDL	5"X41" LONG (10 L)	CM	4	47	
DR-POR2077-E1-101013	OR	PAL	DOE-DP	FUTURE			CM	30	7.77	
DR-POR2077-E1-101015	OR	PAL	DOE-DP	FUTURE			CM	65	16.8	AL-MG F
DR-POR2077-E1-101016	OR	EXCESS	DOE-DP	STORED	>EDL	127 MOHEL CYLINDERS	CM	127	1.14	U FUEL IN MOHEL CYLINDERS
DR-POR2077-E1-101017	OR	EXCESS	DOE-DP	STORED	>EDL	5" POLY BOTTLE X 41" (10 LITERS)	CM	252	2.52	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101018	OR	EXCESS	DOE-DP	STORED	>EDL	5" POLY BOTTLE X 41" (10 LITERS)	CM	31	0.31	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101019	OR	EXCESS	DOE-DP	STORED	>EDL	5" X40" POLY BOTTLE (10 LITERS)	CM	38	0.38	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101020	OR	EXCESS	DOE-DP	STORED	>EDL	METAL CANS 5" X 28"	CM	198		ALUMINUM MAGNESIUM
DR-POR2077-E1-101021	OR	EXCESS	DOE-DP	STORED	>EDL	METAL CANS 5" X 28"	CM	40	30.6	ALUMINUM MAGNESIUM
DR-POR2077-E1-101023	OR	EXCESS	DOE-DP	STORED	>EDL	5" POLY BOTTLE X 41" (10 LITERS)	CM	3	0.03	VARIETY OF LIQUIDS FROM
DR-POR2077-E1-101024	OR	PAL	DOE-DP	STORED	TC-99	55-GAL DRUMS	CM	124	32.1	ALUMINA-MAGNESIUM
DR-POR2077-E1-101025	OR	PAL	DOE-DP	STORED	TC-99	10 LITER POLY BOTTLE 5" X 28"	CM	1		OILS FROM FILTER SYSTEM
DR-POR2077-E1-101026	OR	PAL	DOE-DP	STORED	TC-99	55-GAL DRUMS	CM	36	9.32	ALUMINA-MAGNESIUM
DR-VES1112-E1-100451	OR	PAL	DOE-DP	STORED	URANIUM DAUGHTERS	H/A	CM	2		PRINCIPLE CONSTITUENTS
TOTAL								39158	109141.4	

FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL CI	AVE CI PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
	3000	8.460E+04	2.4	2.180E+03	0.061	YES
	2200000	6.470E+02	2.5	1.664E+01	0.063	YES
IP ION EXCHANGE RESIN		1.040E+04	10400.0	1.773E+01	17.728	UNKNOW
	524	2.240E+00	0.2	5.938E-02	0.006	NO
		1.298E+01	0.9	8.631E-02	0.006	NO
		2.149E-04	0.0	5.700E-06	0.000	NO
		4.286E+03	4285.8	1.342E+02	134.158	NO
(SOPPH)		7.130E+01	7.9	2.127E+00	0.236	NO
BUTTONS PRODUCT.		2.990E-01	0.3	8.655E-03	0.009	NO
CASTINGS PRODUCT.		3.740E-02	0.0	1.082E-03	0.001	NO
PRODUCT		8.965E+00	1.8	2.600E-01	0.052	NO
PROCESS IRRADIATED-PRODUCT		1.206E+03	6.3	3.608E+01	0.190	NO
IS PRODUCT		1.510E+03	6.6	4.389E+01	0.191	NO
MUTTONS PRODUCT.		1.492E+00	0.5	4.200E-02	0.014	NO
METAL UNIRRADIATED		6.033E-01	4.6	1.765E+00	0.136	NO
MAL UNIRRADIATED		9.855E+00	3.3	2.860E-01	0.095	NO
MIRRADIATED		1.155E+02	3.9	3.346E+00	0.112	NO
FIGURES		4.856E+00	0.3	1.420E-01	0.009	NO
3 STANDARDS		1.251E+00	1.3	3.700E-02	0.037	NO
WHEELS, ELEMENTS AND PINS		4.535E+02	3.3	1.314E+01	0.095	NO
DIS COMPONENTS		5.300E+01	4.8	1.587E+00	0.144	NO
FROM DOSIMETERS.		1.630E+00	1.6	5.034E-02	0.050	NO
URANIUM FROM DOSIMETERS.		2.160E-03	0.0	6.320E-05	0.000	NO
DISK SHAPE (11.5" DIA X .5")		1.110E-03	0.0	2.660E-05	0.000	NO
8 & SOLID METAL THORIUM RODS		1.070E-02	0.0	2.572E-04	0.000	NO
OXIDE AS SLUGS, DISKS, & MISC METAL PELLETS		4.020E-04	0.0	9.600E-06	0.000	NO
	4020	1.058E+03	2.6	3.059E+01	0.076	YES
	2490	6.000E-03	0.0	1.624E-04	0.000	YES
	1150	2.690E+01	5.4	4.900E-02	0.010	YES
	2070	2.140E+00	0.2	1.000E-02	0.001	YES
	1840	1.073E+01	1.3	4.200E-02	0.005	YES
CYLINDERS URANIUM HEXAFLUORIDE	2390	2.700E+00	0.0	7.454E-02	0.001	NO
LABORATORIES	1610	9.000E-03	0.0	1.980E+00	0.058	NO
LABORATORIES	9480	8.600E-02	0.0	4.350E-01	0.002	NO
LABORATORIES	7110	4.700E-02	0.0	1.000E-03	0.000	NO
	29200	2.846E+00	0.0	7.000E-03	0.000	NO
	3470	5.265E+00	0.8	1.500E-02	0.001	NO
	431	1.392E+00	0.1	3.000E-03	0.000	NO
	185	4.641E-04	0.0	1.050E-05	0.000	NO
	20800	8.630E-05	0.0	1.000E-07	0.000	NO
FLUORIDE OR NAF	17200	1.030E+01	0.2	1.800E-02	0.000	NO
LABORATORIES	5740	2.286E+02	1.8	6.751E+00	0.053	NO
LABORATORIES	11900	7.500E-02	0.0	1.000E-03	0.000	NO
GLASS, OILS FROM VACUUM PUMPS	1470	1.300E-02	0.0	1.890E+00	0.061	NO
LABORATORIES	1800	1.200E-02	0.0	1.473E-04	0.000	NO
FLUORIDE OR SODIUM FLUORIDE	5480	2.153E+00	0.0	5.000E-03	0.000	NO
LABORATORIES	1000	4.363E+00	0.1	8.000E-03	0.000	NO
LABORATORIES	141	3.478E-04	0.0	1.800E+00	0.600	YES
FLUORIDE OR SODIUM FLUORIDE	32400	4.544E+00	0.0	1.000E-02	0.000	NO
VACUUM PUMPS	78.1	5.189E-05	0.0	0.000E+00	0.000	NO
FLUORIDE OR SODIUM FLUORIDE	9510	1.030E+01	0.3	1.800E-02	0.001	NO
URANIUM & IRON	6860000	2.420E+03	1210.0	6.857E+01	34.283	YES
TOTAL	2.0E+08	2.939E+07	750.6			



Table 21B OAK RIDGE FIELD OFFICE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION												IMPLEMENTATION OF								
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)										ESTIMATED RISK		1D	PE							
	ESTIMATED RISK 10		PERCEIVED RISK 5				REGULATORY REQUIREMENTS 9	STORAGE		ESTIMATED COST 7	PRIORITY RATING	ENVIRONMENTAL	HEALTH	INST							
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC		AVAILABILITY 8	FEASIBILITY 8														
DR-DOE2214-E1-101382	LOW	1	MED	5	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	148	LOW	1	LOW	1
DR-DOE2214-E1-101383	LOW	1	MED	5	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	148	LOW	1	LOW	1
DR-DOE2214-E1-101384	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-JEF1116-E1-100456	LOW	1	LOW	1	LOW	1	LOW	1	7	5	YES	1	OK	1	LOW	1	83	LOW	1	LOW	1
DR-MHE1117-E1-100457	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE1117-E1-100458	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2211-E1-101361	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2211-E1-101362	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101363	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101364	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101365	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101366	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101367	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101368	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101369	LOW	1	MED	5	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	67	LOW	1	MED	5
DR-MHE2211-E1-101370	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101371	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101372	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101373	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101374	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101375	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2211-E1-101376	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
DR-MHE2212-E1-101377	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2212-E1-101378	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2212-E1-101379	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2212-E1-101380	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-MHE2213-E1-101381	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-ORH1115-E1-100455	CALL JEFF BALDWIN (FTS 626-5225). WIPP-MAC PROBLEM 77?																				
DR-PAD1013-E1-100051	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	LOW	1
DR-PAD1013-E1-100052	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	LOW	1
DR-PAD1013-E1-100053	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	LOW	1
DR-PAD1013-E1-100054	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	LOW	1
DR-POR2077-E1-100450	LOW	1	MED	5	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	67	LOW	1	LOW	1
DR-POR2077-E1-101006	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101007	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101008	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101009	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101010	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101011	LOW	1	LOW	1	MED	5	MED	5	PROBLEM	10	NO	10	OK	1	MED	5	268	LOW	1	LOW	1
DR-POR2077-E1-101012	LOW	1	LOW	1	MED	5	MED	5	7	5	YES	1	OK	1	LOW	1	103	LOW	1	LOW	1
DR-POR2077-E1-101013	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101014	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101015	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101016	LOW	1	MED	5	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	67	LOW	1	LOW	1
DR-POR2077-E1-101017	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101018	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101019	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101020	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101021	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101022	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101023	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101024	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101025	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-POR2077-E1-101026	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	LOW	1
DR-VE51112-E1-100451	HIGH	10	HIGH	10	HIGH	10	HIGH	10	PROBLEM	10	NO	10	OK	1	HIGH	10	398	MED	5	MED	5



TABLE 22A RICHLAND SPECIAL CASE WASTE (SCW) INFORMATION

RICHLAND DETAILED SCW INFORMATION							
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD
RL-BAT1108-E1-100427	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100428	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100429	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100430	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100431	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100432	RL	NC DP TRU	DOE-DP	STORED	WAC	DOT 17C 55-GAL GALVANIZED STEEL DRUM	CH
RL-BAT1108-E1-100433	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100434	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100435	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100436	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100437	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100438	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100439	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-BAT1108-E1-100440	RL	NC DP TRU	DOE-DP	STORED	SIZE	TRANSURANIC METAL BOX (TMB-5)	CH
RL-GEN1104-E1-100420	RL	OTHER WASTE	DOE-DP	STORED	SPNT FUEL		RH
RL-PAC1110-E1-100442	RL	SPAR	DOE-DP	STORED	CS-137	CANISTERS	CH
RL-PAC1110-E1-100443	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	SPENT FUEL SAMPLES	CH
RL-PAC1110-E1-100444	RL	SPAR	DOE-NE	STORED	CS-137, SR-90	CANISTER	CH
RL-PAC1110-E1-100445	RL	SPAR	DOE-NE	STORED	CS-137	CANISTER	CH
RL-PAC1110-E1-100446	RL	SPAR	DOE-DP	STORED	CS-137	CANISTERS	CH
RL-PAC1110-E1-100447	RL	NC DP TRU	DOE-DP	STORED	WAC	N/A	RH
RL-PAC1110-E1-100448	RL	OTHER MATL	DOE-NE	STORED	SPNT FUEL	CANISTER	CH
RL-PAC1110-E1-100449	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	PWR SPENT FUEL	CH
RL-PHL1105-E1-100421	RL	NC DP TRU	DOE-DP	STORED	SIZE	TMB5	CH
RL-PHL1105-E1-100422	RL	NC DP TRU	DOE-DP	STORED	TRANSP	TRANSURANIC METAL BOX I	CH
RL-PHL1107-E1-100425	RL	SPAR	DOE-NE	FUTURE	NB-94, TC-99, NI-63		RH
RL-PHL1107-E1-100426	RL	SPAR	DOE-NE	IN-USE	NB-94, TC-99, NI-63		RH
RL-PHL2215-E1-101385	RL	NC DP TRU	DOE-DP	STORED	WAC	1 GAL PAINT CANS COMPACTED IN 55 GAL DRUM	CH
RL-TH01106-E1-100423	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	WASTE: UNPACKAGED FUEL FRAGMENTS/HARDWARE	RH
RL-TH01106-E1-100424	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	4 IRRADIATED FUEL ASSEMB & MISC CUT SPENT FUEL RODS	RH
RL-WES1017-E1-100093	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	22 SHIELDED CASKS	RH
RL-WES1017-E1-100095	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	8 FRP BOXES	CH
RL-WES1017-E1-100096	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	6 SHIELDED CASKS	RH
RL-WES1018-E1-100097	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	5 SHIELDED CASKS	CH
RL-WES1019-E1-100101	RL	SPAR	DOE-DP	DISPOSED	CS-137, SR-90	1 STEEL BOX	CH
RL-WES1020-E1-100103	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	195 55-GALLON DRUM	CH
RL-WES1021-E1-100104	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	374 (55 GALLON DRUMS)	CH
RL-WES1021-E1-100105	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	27 BOXES	CH
RL-WES1022-E1-100106	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	2 TANKS & BOXES	CH
RL-WES1022-E1-100107	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	304 55-GALLON DRUMS	CH
RL-WES1023-E1-100108	RL	SPAR	DOE-DP	STORED	SR-90	STEEL OVERPACK	CH
RL-WES1024-E1-100109	RL	SPAR	DOE-NE	DISPOSED	HFP, TRU	14 SDS LINERS IN CONCRETE OVERPACKS	CH
RL-WES1025-E1-100110	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	1221 (55-GALLON DRUMS)	CH
RL-WES1026-E1-100111	RL	SPAR	DOE-NE	STORED	SR-90	TITANIUM OVERPACK (TRACS-25A)	CH
RL-WES1028-E1-100113	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	8 SHIELDED CASKS	CH
RL-WES1029-E1-100114	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	1 SHIELDED CASKS	CH
RL-WES1030-E1-100115	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	13 55-GAL DRUM	CH
RL-WES1043-E1-100132	RL	OTHER WASTE	DOE-NE	STORED	SPNT FUEL	4 SHIELDED CASKS	CH
RL-WES1087-E1-100439	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	1 55-GAL DRUM	CH
RL-WES1088-E1-100440	RL	PAL	DOE-DP	DISPOSED	CS-137	16-DNE GALLON CANS	CH
RL-WES1089-E1-100441	RL	NON DP GEN TRU	DOE-NE	STORED	NON-DP	203 55-GALLON DRUMS	CH
RL-WES1093-E1-100401	RL	NC DP TRU	DOE-DP	STORED	TRANSP	1 STEEL BOX	CH
RL-WES1093-E1-100402	RL	NC DP TRU	DOE-DP	STORED	TRANSP	3 STEEL BOXES	CH
RL-WES1096-E1-100411	RL	NC DP TRU	DOE-DP	STORED	WAC	149 SINGLE SHELL & 28 DOUBLE SHELL TANKS	RH
RL-WES1096-E1-100412	RL	SPAR	DOE-DP	STORED	I-129	CANYON WASTE	CH
RL-WES1096-E1-100413	RL	SPAR	DOE-DP	STORED	SR-90	640 STRONTIUM-90 CAPSULES	CH
RL-WES1096-E1-100414	RL	SPAR	DOE-DP	STORED	CS-137	1,576 CESIUM-137 CAPSULES	CH
RL-WES1096-E1-100415	RL	NC DP TRU	DOE-DP	STORED	WAC	CRIB TYPE STRUCTURES	RH
RL-WES1096-E1-100416	RL	OTHER WASTE	DOE-DP	STORED	UNCH	NUCLEAR REACTORS	RH
RL-WES3023-E1-100098	RL	SPAR	DOE-DP	DISPOSED	CS-137, SR-90	1 CONCRETE BOX	CH
RL-WES3024-E1-100099	RL	NC DP TRU	DOE-DP	STORED	WAC	45 55-GALLON DRUMS	CH

IG	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL CI	AVE CI PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
	1	0.26		84.8	1.800E-01	0.2	9.250E-01	0.925	NO
	1	0.26		45.4	2.627E+00	2.6	7.000E-03	0.007	NO
	1	0.26		54.4	4.550E-01	0.5	5.000E-03	0.005	NO
	1	0.26			1.418E+01	14.2	3.200E-02	0.032	NO
	1	0.26			2.920E-01	0.3	1.000E-03	0.001	NO
	1	0.26			3.481E+00	3.5	2.000E-02	0.020	NO
	1	9.74		1680	1.525E+01	15.2	3.500E-02	0.035	NO
	1	9.74		1930	4.434E+00	4.4	1.000E-02	0.010	NO
	1	9.74		2450	4.435E+01	44.4	1.010E-01	0.101	NO
	1	9.74		2110	4.434E+00	4.4	1.000E-02	0.010	NO
	1	9.74		1810	7.391E+00	7.4	1.700E-02	0.017	NO
	1	9.74		2490	4.134E+01	41.3	9.500E-02	0.095	NO
	1	9.74		2090	1.480E+00	1.5	3.000E-03	0.003	NO
	1	9.74		1810	2.952E+00	3.0	7.000E-03	0.007	NO
UNKNOWN	2	0.379	IRRADIATED BWR FUEL ROOS BOROSILICATE GLASS	1270	1.107E+02	ERR	1.360E-01	ERR	NO
UNKNOWN	4	0.366	BOROSILICATE GLASS	1810	1.920E+04	9600.0	1.265E+02	63.267	NO
UNKNOWN	1	0.0915	BOROSILICATE GLASS	227	ERR	ERR	ERR	ERR	NO
UNKNOWN	2	0.159	BOROSILICATE GLASS	408	8.070E+04	20175.0	5.492E+02	137.295	NO
UNKNOWN	1	0.142	BOROSILICATE GLASS LEFT IN MELTERS	338	1.500E+03	1500.0	1.041E+01	10.408	NO
UNKNOWN	2	0.184	BOROSILICATE GLASS	263	3.819E+03	1909.5	2.613E+01	13.066	NO
UNKNOWN	3	1.54	D & D SCRAP, OLD VESSELS, SOME LIQUID	1580	4.490E+05	449000.0	2.502E+03	2502.171	NO
UNKNOWN	1	9.6	HEPA FILTERS	6470	2.427E+05	121350.0	1.325E+03	662.418	NO
UNKNOWN	1	2:32	METAL PIECES	234	3.450E+05	115000.0	ERR	ERR	NO
UNKNOWN	1	0.001	METAL PIECES	1	7.729E+01	77.3	2.430E-01	0.243	NO
UNKNOWN	300	1.14	PLASTIC, ABRASIVE WHEELS, METALS, GLASS WASTE IS IN SOLID FORM		1.622E+00	1.6	6.000E-03	0.006	NO
UNKNOWN	22	117	R & D MATERIAL IS IN SOLID FORM		1.288E+02	ERR	1.100E-02	ERR	NO
UNKNOWN	8	87.5			4.293E+01	42.9	1.040E-01	0.104	NO
UNKNOWN	6	4.16			6.244E+03	ERR	7.066E+00	ERR	UNKNOWN
UNKNOWN	5	3.47			4.071E+04	ERR	4.536E+01	ERR	UNKNOWN
UNKNOWN	1	7.79			2.507E+05	11395.5	0.000	0.000	YES
UNKNOWN	195	50.5			5.010E-02	0.0	1.549E-03	0.000	NO
UNKNOWN	374	96.9		13600	6.004E+04	10006.2	1.148E+00	0.191	YES
UNKNOWN	27	174		11300	1.241E+04	2482.0	1.888E+01	3.776	YES
UNKNOWN	2	11.9		20000	4.900E+04	49000.0	2.508E+02	250.787	NO
UNKNOWN	304	78.7			3.480E+01	0.2	1.078E-00	0.006	NO
UNKNOWN	1	0.396			3.300E+01	0.1	1.022E+00	0.003	NO
UNKNOWN	14	5.55			5.010E-01	0.0	1.735E-02	0.001	NO
UNKNOWN	1221	316		37900	1.940E+00	1.0	6.188E-02	0.031	NO
UNKNOWN	1	0.906			1.470E+01	0.0	4.547E-01	0.001	NO
UNKNOWN	8	5.55		2190	1.580E+04	15800.0	5.090E+01	50.901	NO
UNKNOWN	13	3.37		7620	1.200E+05	8571.4	6.096E+02	43.544	NO
UNKNOWN	4	2.87		277000	6.793E+04	55.6	1.056E+02	0.087	YES
UNKNOWN	1	0.259		680	7.020E+04	70200.0	2.261E+02	226.071	NO
UNKNOWN	16	0.0725		18100	ERR	0.0	ERR	ERR	YES
UNKNOWN	203	52.6		2720	3.900E+01	39.0	3.369E-01	0.337	YES
UNKNOWN	1	9.61		1060	3.980E+02	30.6	ERR	ERR	YES
UNKNOWN	3	21		9070	4.825E+03	1206.3	6.971E+00	1.743	YES
UNKNOWN	177	852000			3.750E-01	0.4	1.160E-02	0.012	NO
UNKNOWN	1	34000		109	2.200E+02	13.8	1.527E+00	0.095	NO
UNKNOWN	640	1.14			4.879E+04	240.3	1.075E+02	0.529	NO
UNKNOWN	1576	2.91		4080	1.344E+01	13.4	8.700E-02	0.087	YES
UNKNOWN	24	32000		6440	1.639E+02	54.6	9.740E-01	0.325	YES
UNKNOWN	8	11480			2.006E+08	1133432.8	1.018E+06	5750.390	YES
UNKNOWN	48	12.4			1.400E+07	14000000.0	6.831E+03	6831.223	YES
TOTAL	5238	930681.3		58000000	3.320E+07	51875.0	1.070E+05	167.119	NO
				90000000	7.550E+07	47906.1	5.239E+05	332.410	NO
				36300	1.359E+04	566.3	9.789E+01	4.079	YES
					2.000E+05	25000.0	1.388E+03	173.469	YES
					7.100E+05	710000.0	3.626E+03	3625.509	NO
					6.800E+00	0.1	ERR	ERR	YES
TOTAL			TOTAL	1.5E+08	3.261E+08	62262.5			

Table 228 RICHLAND FIELD OFFICE SPECIAL CASE WASTE (SCU) PRIORITY EVALUATION

SCU ID CODE #	PRIORITY EVALUATION																				
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)										IMPLEMENTATION D										
	ESTIMATED RISK 10		PERCEIVED RISK 5		STORAGE			ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK 10		P									
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	REGULATORY REQUIREMENTS 9	AVAILABILITY 8	FEASIBILITY 8			ENVIRONMENTAL	HEALTH		P								
RL-BAT1108-E1-100427	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100428	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100429	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100430	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100431	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100432	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100433	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100434	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100435	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100436	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100437	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100438	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100439	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-BAT1108-E1-100440	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-CEW1104-E1-100420	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100442	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100443	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100444	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100445	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100446	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100447	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100448	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PAC1110-E1-100449	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PHL1105-E1-100421	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PHL1105-E1-100422	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PHL1107-E1-100425	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PHL1107-E1-100426	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-PHL2215-E1-101385	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-TH01106-E1-100423	LOW	1	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
RL-TH01106-E1-100424	LOW	1	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	LOW	1	MED	5
RL-VES1017-E1-100093	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1017-E1-100095	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1017-E1-100096	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1018-E1-100097	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1019-E1-100101	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1020-E1-100103	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1021-E1-100104	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1021-E1-100105	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1022-E1-100106	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1022-E1-100107	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1023-E1-100108	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1024-E1-100109	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1025-E1-100110	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1026-E1-100111	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1026-E1-100113	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1029-E1-100114	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1030-E1-100115	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1043-E1-103132	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1057-E1-100439	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1088-E1-100440	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1089-E1-100441	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1093-E1-100401	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1093-E1-100402	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5
RL-VES1094-E1-100411	MED	5	MED	5	HIGH	10	HIGH	10	PROBLEM	10	YES	1	OK	1	LOW	1	213	MED	5	MED	5
RL-VES1094-E1-100412	MED	5	MED	5	MED	5	MED	5	PROBLEM	10	YES	1	OK	1	LOW	1	168	MED	5	MED	5
RL-VES1094-E1-100413	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1094-E1-100414	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES1094-E1-100415	MED	5	MED	5	MED	5	MED	5	PROBLEM	10	YES	1	OK	1	LOW	1	188	MED	5	MED	5
RL-VES1094-E1-100416	LOW	1	LOW	1	LOW	1	LOW	1	?	5	YES	1	OK	1	LOW	1	83	MED	5	MED	5
RL-VES3023-E1-100098	LOW	1	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	LOW	1	MED	5
RL-VES3024-E1-100099	LOW	1	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	128	LOW	1	MED	5



Table 23A ROCKY FLATS SPECIAL CASE WASTE (SCW) INFORMATION

ROCKY FLATS DETAILED SCW INFORMATION										
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	
RF-ROC1095-E1-100406	RF	NC DP TRU	DP	STORED	SIZE	BOX(4X4X7)	CH	23	73	META
RF-ROC1095-E1-100407	RF	NC DP TRU	DP	STORED	TRANSPORT	55GAL DRM	CH	474	123	
RF-ROC1095-E1-100408	RF	NC DP TRU	DP	STORED	TRANSPORT	55GAL DRM	CH	473	123	
RF-ROC1095-E1-100409	RF	NC DP TRU	DP	FUTURE	TRANSPORT	55GAL DRM	CH	400/YR	104/YR	
RF-ROC1095-E1-100410	RF	NC DP TRU	DP	STORED	CLASSIFIED	55GAL DRM	CH	168	43.5	
TOTAL								1138	362.5	

Table 23B ROCKY FLATS SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION													
	CONTINUOUS CURRENT STORAGE ACTIVITIES (CCSA)										IMPLEMENTATION			
	ESTIMATED RISK 10		PERCEIVED RISK 5				STORAGE				ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK 10	
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	REGULATORY REQUIREMENTS 9	AVAILABILITY 8	FEASIBILITY 8	COST 7	PRIORITY RATING	ENVIRONMENTAL	HEALTH	INS		
RF-ROC1095-E1-100406	LOW 1	LOW 1	MED 5	HIGH 10	PROBLEM 10	YES 1	SPACE 10	LOW 1	232.5	LOW 1	MED 5	5		
RF-ROC1095-E1-100407	LOW 1	LOW 1	MED 5	HIGH 10	PROBLEM 10	YES 1	SPACE 10	LOW 1	232.5	LOW 1	MED 5	5		
RF-ROC1095-E1-100408	LOW 1	LOW 1	MED 5	HIGH 10	PROBLEM 10	YES 1	SPACE 10	LOW 1	232.5	LOW 1	MED 5	5		
RF-ROC1095-E1-100409	LOW 1	LOW 1	MED 5	HIGH 10	PROBLEM 10	YES 1	SPACE 10	LOW 1	232.5	LOW 1	MED 5	5		
RF-ROC1095-E1-100410	LOW 1	LOW 1	MED 5	HIGH 10	OK 1	YES 1	SPACE 10	LOW 1	151.5	LOW 1	MED 5	5		

FORM DESCRIPTION	TOTAL WGT. (kg)	TOTAL Ci	AVE Ci PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
AL, FILTERS ETC.	24700	7.550E+02	32.8	4.100E+00	0.178	Y
CC 801 & 802	117000	6.690E+02	1.4	3.600E+00	0.008	Y
DO 801 OR 802	85000	1.968E+03	4.2	1.070E+01	0.023	Y
?	81600/YR	1535.1/YR	3.8	8.37/YR	0.021	Y
GRAPHITE	15200	7.200E+00	0.0	4.000E-02	0.000	N
TOTAL	241900	3.399E+03	3.0			

OF THE BEST AVAILABLE TREATMENT TECHNOLOGY (BATF)										POTENTIAL RESOLUTION				
PERCEIVED RISK		REGULATORY REQUIREMENTS			TREATMENT		ESTIMATED COST	PRIORITY RATING	PRIORITY EVALUATION					
ENVIRONMENTAL	PUBLIC	OK	PROBLEM	AVAILABILITY	FEASIBILITY									
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	67	-65.5	REPACKAGE IN SVS WHEN WIPP OPENS.
LOW	1	LOW	1	PROBLEM	10	NO	10	CAPABILITY	10	MED	5	320	-87.5	TREAT AND REPACKAGE TO MEET TRUPACT-II PCP
LOW	1	LOW	1	OK	1	YES	1	OK	1	MED	5	95	-137.5	REPACKAGE TO MEET TRUPACT-II WATTAGE REQUIREMENTS
LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	67	-65.5	PLANNING REQUIRED TO PACKAGE WASTE TO MEET CRITERIA
LOW	1	LOW	1	OK	1	NO	10	CAPABILITY	10	MED	5	239	-37.5	DESTROY CLASSIFIED SHAPES



TABLE 24A SAN FRANCISCO SPECIAL CASE WASTE (SCW) INFORMATION

SAN FRANCISCO DETAILED SCW INFORMATION											FO
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m <sup>3</sup> )	DESCR	
SA-LAW1016-E1-100055	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	5.87	GLOVEBOXES, EQU	
SA-LAW1016-E1-100066	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	7.07	GLOVEBOXES, EQU	
SA-LAW1016-E1-100067	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	8.43	GLOVEBOXES, EQU	
SA-LAW1016-E1-100068	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	7.07	GLOVEBOXES, EQU	
SA-LAW1016-E1-100069	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	6.5	GLOVEBOXES, EQU	
SA-LAW1016-E1-100070	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	7.63	GLOVEBOXES, EQU	
SA-LAW1016-E1-100071	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	7.89	GLOVEBOXES, EQU	
SA-LAW1016-E1-100072	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	8.68	GLOVEBOXES, EQU	
SA-LAW1016-E1-100073	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.24	GLOVEBOXES, EQU	
SA-LAW1016-E1-100074	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	5.57	GLOVEBOXES, EQU	
SA-LAW1016-E1-100075	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100076	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100077	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	DOT 7A TI	
SA-LAW1016-E1-100078	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100079	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100443	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100444	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100445	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100446	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100447	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100448	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100449	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100450	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100451	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100452	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100453	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100454	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100455	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LAW1016-E1-100460	SAN	NC DP TRU	DOE-DP	STORED	TRANSP	DOT 7A TYPE A BOX	CH	1	4.49	GLOVEBOXES, EQU	
SA-LBL1079-E1-100458	SAN	NOH DP GEN TRU	DOE-NE	STORED	NOH-DP	1 GALLON CAN	CH	1	0.00379		
SA-LBL1079-E1-100459	SAN	NOH DP GEN TRU	DOE-NE	STORED	NOH-DP		CH	1			
SA-HGC1015-E1-100463	SAN	NOH DP GEN TRU	DOE-NE	STORED	NOH-DP	55 GALLON DRUM	CH	11	2.85	SOLIDIFIED LIQUIDS, ME	
SA-ROC1015-E1-100464	SAN	NOH DP GEN TRU	DOE-NE	STORED	NOH-DP	55 GAL DRUM, RIGID LINER	CH	1	0.259	LEAD PIECES, STEEL & AL	
SA-ROC1015-E1-100465	SAN	PAL	DOE-NE	STORED	RA-226		CH	1	0.259	GAUGES, BIALS,	
SA-ROC1015-E1-100467	SAN	NOH DP GEN TRU	DOE-NE	FUTURE	NOH-DP	55 GALLON DRUM	CH	1	0.259	55 GALL	
								TOTAL	45	157.84	

Table 24B SAN FRANCISCO FIELD OFFICE SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION										IMPLEMENTATION OF					
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA) ...															
	ESTIMATED RISK		PERCEIVED RISK				REGULATORY REQUIREMENTS 9	STORAGE			ESTIMATED COST 7	PRIORITY RATING	ESTIMATED RISK			
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC	AVAILABILITY 8	FEASIBILITY 8		ENVIRONMENTAL	HEALTH	INSTI						
SA-LAW1016-E1-100065	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100066	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100067	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100068	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100069	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100070	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100071	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100072	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100073	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100074	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100075	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100076	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100077	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100078	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100079	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100443	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100444	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100445	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100446	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100447	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100448	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100449	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100450	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100451	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100452	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100453	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100454	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100455	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LAW1016-E1-100460	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LBL1079-E1-100458	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-LBL1079-E1-100459	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-ROC1015-E1-100463	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-ROC1015-E1-100464	LOW	1	LOW	1	LOW	1	OK	1	YES	1	OK	1	LOW	1	MED	5
SA-ROC1015-E1-100465	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	MED	5
SA-ROC1015-E1-100467	LOW	1	LOW	1	LOW	1	PROBLEM	10	YES	1	OK	1	LOW	1	MED	5



TABLE 25A SAVANNAH RIVER SPECIAL CASE WASTE (SCW) INFORMATION

SAVANNAH RIVER DETAILED SCW INFORMATION												
SCW ID CODE #	POSSESSOR LOCATION	SCW CATEGORY	TITLE	STATUS	PROBLEM	CONTAINER TYPE	HANDLING METHOD	NUMBER OF CONTAINERS	TOTAL VOL. (m³)	FORM DESCRIPTION	TOT. WGT. (T)	
SR-WES2005-E1-100906	SR	PAL	DOE-DP	STORED	C-14	STAINLESS STEEL VESSEL	CH	1	2.78	SS VESSELS	2	
SR-WES2005-E1-100907	SR	PAL	DOE-DP	FUTURE	C-14	STAINLESS STEEL VESSEL	CH	3	8.33		5	
SR-WES2005-E1-100908	SR	PAL	DOE-DP	STORED		CONTAINER	CH	4	5.66		15400	
SR-WES2005-E1-100909	SR	EXCESS	DOE-DP	STORED	>EDL	55-GAL DRUM	CH	64708	16800		DEPLETED U OXIDE	9
SR-WES2005-E1-100910	SR	EXCESS	DOE-DP	STORED	>EDL	55-GAL DRUM	CH	500	130			45
SR-WES2005-E1-100911	SR	PAL	DOE-DP	STORED	TRU	55 GAL DRUMS	CH	10000	2590		9	
SR-WES2005-E1-100912	SR	PAL	DOE-DP	STORED	TRU	CARBON STEEL BOXES	CH	100	2240		455	
SR-WES2005-E1-100913	SR	NC DP TRU	DOE-DP	STORED	TRANSP	55 GAL DRUMS	CH	3000	777		273	
SR-WES2005-E1-100914	SR	NC DP TRU	DOE-DP	STORED	TRANSP	BOXES	CH	35	785		159	
SR-WES2010-E1-100919	SR	EXCESS	DOE-DP	STORED	>EDL	ASSEMBLY	RH	56		NORMAL URANIUM NORMAL U		
SR-WES2010-E1-100920	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100921	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100922	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100923	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100924	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100925	SR	EXCESS	DOE-DP	STORED	>EDL		CH	1				
SR-WES2010-E1-100926	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2010-E1-100927	SR	EXCESS	DOE-DP	STORED	>EDL		CH	1				
SR-WES2010-E1-100928	SR	EXCESS	DOE-DP	STORED	<EDL		CH	1				
SR-WES2011-E1-100929	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100930	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100931	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100932	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100933	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100934	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100935	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2011-E1-100936	SR	EXCESS	DOE-DP	STORED	>EDL		RH	1				
SR-WES2012-E1-100937	SR	OTHER MATL	DOE-DP	STORED	SPHT FUEL	CANS	RH	3	0.0516		FUEL RODS 0.46% ENRICHMENT	
SR-WES2012-E1-100938	SR	OTHER MATL	DOE-DP	STORED	SPHT FUEL	CANS	CH	3	0.00182		FUEL RODS 0.46% ENRICHMENT	
SR-WES2012-E1-100939	SR	OTHER MATL	DOE-DP	STORED	SPHT FUEL	ASSEMBLY	CH	2	0.0106			
SR-WES2012-E1-100940	SR	OTHER MATL	DOE-DP	STORED	SPHT FUEL	CAN	RH	3	0.00742	UO2 2r CLAD		
SR-WES2012-E1-100941	SR	OTHER MATL	DOE-DP	STORED	SPHT FUEL	CAN	RH	14	0.472			
								TOTAL	78449	23337.3	TOTAL	2.036

Table 25B SAVANNAH RIVER SPECIAL CASE WASTE (SCW) PRIORITY EVALUATION

SCW ID CODE #	PRIORITY EVALUATION										
	CONTINUE CURRENT STORAGE ACTIVITIES (CCSA)							IMPLEMENTATION			
	ESTIMATED RISK 10		PERCEIVED RISK 5		REGULATORY REQUIREMENTS - 9	STORAGE -		ESTIMATED COST - 7	PRIORITY RATING	ESTIMATED RISK 10	
	ENVIRONMENTAL	HEALTH	INSTITUTIONAL	PUBLIC		AVAILABILITY 8	FEASIBILITY 8			ENVIRONMENTAL	HEALTH
SR-WES2005-E1-100906	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2005-E1-100907	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2005-E1-100908	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2005-E1-100909	MED 5	MED 5	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	87	LOW 1	MED 5
SR-WES2005-E1-100910	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	MED 5
SR-WES2005-E1-100911	LOW 1	MED 5	LOW 1	LOW 1	OK 7	5	7	5	163	LOW 1	LOW 1
SR-WES2005-E1-100912	LOW 1	MED 5	LOW 1	LOW 1	OK 7	5	7	5	163	LOW 1	LOW 1
SR-WES2005-E1-100913	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2005-E1-100914	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100919	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100920	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100921	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100922	MED 5	MED 5	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	87	MED 5	MED 5
SR-WES2010-E1-100923	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100924	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2010-E1-100925	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2010-E1-100926	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2010-E1-100927	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2010-E1-100928	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	LOW 1	LOW 1
SR-WES2011-E1-100929	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100930	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100931	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100932	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100933	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100934	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100935	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2011-E1-100936	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2012-E1-100937	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2012-E1-100938	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2012-E1-100939	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2012-E1-100940	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5
SR-WES2012-E1-100941	LOW 1	LOW 1	LOW 1	LOW 1	OK 1	YES 1	YES 1	LOW 1	47	MED 5	MED 5

AL (kg)	TOTAL CI	AVE CI PER CONTAINER	TOTAL WATTS	AVE WATTS PER CONTAINER	MIXED WASTE
907	1.030E+02	103.0	9.481E-02	0.095	NO
720	3.090E+02	103.0	2.844E-01	0.095	NO
180	3.220E-01	0.1	3.590E-04	0.000	YES
000	6.541E+03	0.1	1.650E+02	0.003	NO
500	1.570E-01	0.0	4.000E-03	0.000	YES
9.9	9.090E+01	0.0	1.734E+00	0.000	YES
000	4.550E+01	0.5	8.670E-01	0.009	YES
000	1.030E+05	34.3	3.405E+03	1.135	YES
000	3.190E+01	0.9	1.051E+00	0.030	YES
	3.819E+05	6820.2	1.330E+04	237.556	UNKNOWN
	1.665E+03	1665.0	1.076E+01	10.758	UNKNOWN
	2.007E+03	2006.8	6.941E+01	69.408	UNKNOWN
	2.742E+05	274157.8	9.510E+03	9510.008	UNKNOWN
	1.398E+04	13975.5	4.421E+02	442.136	UNKNOWN
	7.763E+02	776.3	2.745E+01	27.455	UNKNOWN
	1.168E+00	1.2	2.900E-02	0.029	UNKNOWN
	3.371E+01	33.7	8.540E-01	0.854	UNKNOWN
	7.000E-03	0.0	1.822E-04	0.000	UNKNOWN
	5.000E-03	0.0	1.344E-04	0.000	UNKNOWN
	1.830E+03	1830.0	6.051E+01	60.515	UNKNOWN
	1.440E-03	0.0	4.210E-05	0.000	UNKNOWN
	1.720E+04	17200.0	5.324E+02	532.352	UNKNOWN
	1.470E+03	1470.0	5.402E+01	54.022	UNKNOWN
	3.990E-01	0.4	1.281E-02	0.013	UNKNOWN
	3.960E+00	4.0	1.030E-01	0.103	UNKNOWN
	7.481E+00	7.5	1.890E-01	0.189	UNKNOWN
	9.700E-01	1.0	2.336E-02	0.023	UNKNOWN
	1.700E-02	0.0	1.860E-01	0.062	NO
	1.000E-03	0.0	1.500E-05	0.000	NO
	2.400E-02	0.0	1.000E-03	0.001	NO
	5.000E-03	0.0	1.371E-04	0.000	NO
	5.900E-02	0.0	2.000E-03	0.000	NO
007	8.052E+05	10.3			

PERCEIVED RISK		5	REGULATORY REQUIREMENTS		9	TREATMENT		8	8	7	7	PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION
INSTITUTIONAL	PUBLIC		OK	PROBLEM	YES	NO	OK	CAPABILITY	OK	OK	OK			
LOW	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	0	OBTAIN APPROVED PA FOR DISPOSAL (C-14)
LOW	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	0	OBTAIN APPROVED PA FOR DISPOSAL (C-14)
LOW	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	0	0	OBTAIN APPROVED PA FOR DISPOSAL (I-129 Ag) BERYL SADDLES)
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	LOW	1	211	124	245	EVALUATE VALUE OF DEPLETED U (U OXIDE)
LOW	LOW	1	PROBLEM	10	NO	10	CAPABILITY	10	LOW	1	292	245	245	RECOVER OR USE ENRICHED U (95% ENR U NAVAL FUEL)
LOW	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	-116	-116	OBTAIN APPROVED PA FOR DISPOSAL (Pu-238 & Pu-52 WC)
LOW	LOW	1	OK	1	YES	1	OK	1	LOW	1	47	-116	-116	OBTAIN APPROVED PA FOR DISPOSAL (Pu-238 & Pu-52 WC)
LOW	LOW	1	OK	1	YES	1	OK	1	MED	5	115	68	68	REPACKAGE AT THF FACILITY (Pu-238 WATTAGE PROBLEMS)
LOW	LOW	1	OK	1	YES	1	OK	1	MED	5	115	68	68	REPACKAGE AT THF FACILITY (Pu-238 WATTAGE PROBLEMS)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	MED	5	295	248	248	TREAT IN MPPF (LARGE QUANTITIES OF TRU)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	MED	5	295	248	248	TREAT IN MPPF (LARGE QUANTITIES OF TRU)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	MED	5	295	248	248	TREAT IN MPPF (LARGE QUANTITIES OF TRU)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	MED	5	295	248	248	TREAT IN MPPF (LARGE QUANTITIES OF TRU)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	MED	5	295	248	248	TREAT IN MPPF (LARGE QUANTITIES OF TRU)
LOW	LOW	1	?	5	NO	10	OK	1	MED	5	183	136	136	CCSA UNTIL FNPC OPENS FOR RECOVERY OF U (DEPLETED)
LOW	LOW	1	?	5	NO	10	OK	1	MED	5	183	136	136	CCSA UNTIL FNPC OPENS FOR RECOVERY OF U (DEPLETED)
LOW	LOW	1	?	5	NO	10	OK	1	MED	5	183	136	136	CCSA UNTIL FNPC OPENS FOR RECOVERY OF U (NORMAL)
LOW	LOW	1	?	5	NO	10	OK	1	MED	5	183	136	136	CCSA UNTIL FNPC OPENS FOR RECOVERY OF U (NORMAL)
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Pu-238) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Pu-237) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Pu-240) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Am-244) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Am-243) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (ENR U) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (DEP U) IRRADIATED
LOW	LOW	1	?	5	NO	10	CAPABILITY	10	HIGH	10	330	283	283	NO PLANNED PROCESS (Th-232) IRRADIATED
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	HIGH	10	294	247	247	NO PLANNED PROCESS (DEP U) IRRADIATED
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	HIGH	10	294	247	247	NO PLANNED PROCESS (DEP U) IRRADIATED
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	HIGH	10	294	247	247	NO PLANNED PROCESS (LEU) IRRADIATED
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	HIGH	10	294	247	247	NO PLANNED PROCESS (LEU) IRRADIATED
LOW	LOW	1	OK	1	NO	10	CAPABILITY	10	HIGH	10	294	247	247	NO PLANNED PROCESS (LEU) IRRADIATED

Nevada Test Site - Some TRU waste containing classified items must be recovered from shallow land burial and shipped to a facility to destroy the classified nature of the waste. Some performance assessments must be done to determine an acceptable disposal method and location for waste items containing radium.

Oak Ridge - There is some U-233 waiting for recovery, but the current need for it is uncertain. Some technetium contaminated uranium is also waiting recovery, but a recovery method must be developed. Performance assessments must be done to determine a disposal method and location for some of the waste.

Richland - Some of their waste is waiting for completion of the planned waste receiving and packaging facility so it may be treated and sent to WIPP. Performance assessments are needed to determine a disposal method and location for some waste items. A disposal facility must be designated for some nondefense TRU waste items. Methods for retrieval, treatment and disposal of some of their large, difficult to manage items (e.g., underground tanks, crib structures, nuclear reactors, and canyon waste) must be developed, funded, and approved.

Rocky Flats - A treatment facility is needed to destroy the classified nature of some items before they are discarded. Because Rocky Flats has a waste storage capacity problem, they are packaging waste to minimize storage volume. However, this packaging may not meet the TRUPACT-II Payload Compliance Plan; therefore, some treatment and repackaging of waste will be required when the waste can be moved.

San Francisco - Lawrence Livermore National Laboratory needs a facility to size reduce some defense TRU waste so the waste can be sent to WIPP. A disposal facility for some nondefense TRU waste, at Lawrence Berkeley Laboratory and Rockwell International, Canoga Park, must be determined.

Savannah River - The priority evaluations for several wastes indicate CCSA even though the material is greater than the economic discard limit. This is

because there are no treatment or recovery facilities for this material, and recovery facilities will be very costly. Some of this material is waiting for the Multi-Purpose Processing Facility to open. Some defense TRU waste is waiting for the Transuranic Waste Facility to open for repackaging. Some excess material containing depleted and normal uranium was waiting for the Feed Materials Production Center to resume operation, but it now appears to have no recovery process available. A few waste items need a performance assessment to determine disposal method and location.

## OVERALL PRIORITY EVALUATION RANKING

Performing the priority evaluations for the special case waste items and examining the potential resolutions reveals that 22 resolutions are common throughout the DOE complex. The 22 resolutions identified in the priority evaluations were assigned a letter designation and are listed in Table 26. These letter designations were used in the spreadsheet where the special case waste items were sorted by priority evaluation ranking. The highest and lowest ranked items are shown in Tables 27 and 28. Since these are only partial results all of the potential resolutions do not appear in the Tables. Table 27 lists the highest ranked special case waste items for all field offices for continuing storage. Table 28 lists the highest ranked special case waste items for all field offices for implementing treatment.

Table 26. SCW potential resolution key

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A	Certify at Stored Waste Examination Pilot Plant and send to WIPP
B	Characterize to determine if waste is a problem
C	Decision required for recovery
D	Designate a disposal facility or send to HLW repository
E	Destroy classified nature, send to WIPP
F	Develop recovery method and process
G	Develop retrieval, treatment, and disposal methods
H	Evaluate recovery value of uranium
I	High level decision required for recovery
J	Identify a disposal facility (Non DP TRU)
K	Immobilize, package, and dispose (LLW) (RH)
L	Immobilize, package, and send to WIPP
M	Immobilize and determine disposal location (LLW or TRU)
N	Package and ship to recovery facility
O	Perform PA to determine disposal method and location (PAL)
P	Recover, ship, treat to destroy classified nature
R	Repackage and send to WIPP
S	Ship, treat to destroy classified nature
T	Size reduce, repackage and send to WIPP
U	Specific PA required to determine disposal method and location
V	Treat, package, and send to WIPP
W	Recover isotopes

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TABLE 27. HIGHEST RANKED SCW ITEMS FOR CONTINUED STORAGE (ALL FIELD OFFICES)

SCW ID CODE #	SCW CATEGORY	PROBLEM	CONTAINER TYPE	
SR-WES2011-E1-100929	EXCESS	>EDL		
SR-WES2011-E1-100930	EXCESS	>EDL		
SR-WES2011-E1-100931	EXCESS	>EDL		
SR-WES2011-E1-100932	EXCESS	>EDL		
SR-WES2011-E1-100933	EXCESS	>EDL		
SR-WES2011-E1-100934	EXCESS	>EDL		
SR-WES2011-E1-100935	EXCESS	>EDL		
SR-WES2011-E1-100936	EXCESS	>EDL		
CH-BAT1014-E1-100055	NON DP GEN	NON-DP	HEPA FILTERS	NOT COMPACTED
CH-BAT1014-E1-100056	NON DP GEN	NON-DP		
CH-BAT1014-E1-100057	NON DP GEN	NON-DP		
CH-BAT1014-E1-100461	NON DP GEN	NON-DP	DEWATERED ION-EXCHANGE RESIN	
CH-BAT1092-E1-100392	NON DP GEN	NON-DP	DEWATERED ION EXCHANGE RESIN...FUTURE GENERATION FOR 10	
CH-BAT1092-E1-100393	NON DP GEN	NON-DP	240 INDIVIDUALLY NUMBERED TIN WASTE CANS	COMPACTED PAPER &
CH-BAT1092-E1-100394	NON DP GEN	NON-DP	UNPACKAGED WASTE	SHAPED CHARGE CAT
CH-BAT1092-E1-100395	NON DP GEN	NON-DP	SEVEN 55-GAL DRUMS	LABOR
SR-WES2010-E1-100919	EXCESS	>EDL	ARGONNE MIII STEEL BIN	LABORA
SR-WES2010-E1-100920	EXCESS	>EDL	ASSEMBLY	
SR-WES2010-E1-100921	EXCESS	>EDL		
SR-WES2010-E1-100923	EXCESS	>EDL		
SR-WES2010-E1-100924	EXCESS	>EDL		
SR-WES2012-E1-100937	OTHER MATL	SPNT FUEL	CANS	
SR-WES2012-E1-100938	OTHER MATL	SPNT FUEL	CANS	
SR-WES2012-E1-100939	OTHER MATL	SPNT FUEL	ASSEMBLY	
SR-WES2012-E1-100940	OTHER MATL	SPNT FUEL	CAN	
SR-WES2012-E1-100941	OTHER MATL	SPNT FUEL	CAN	
SR-WES2005-E1-100910	EXCESS	>EDL	55-GAL DRUM	
SR-WES2010-E1-100922	EXCESS	>EDL		
AL-LAN1040-E1-100128	OTHER MATL	SPNT FUEL	5-9/16" DIA, 304L, WELDED STAINLESS STEEL TUBE WITH 1-1/2"	MIXED U/PU
AL-LAN1038-E1-100126	NC DP TRU	SIZE	METAL PIPE "CASK" ENCASED IN CONCRETE	COMBUSTIBLE OR NO
ID-WIN3015-E1-100014	FUTURE GEN	SPNT FUEL	MAY BE PLACED IN BUCKETS	
OR-POR2077-E1-101008	EXCESS	>EDL	5"DX41" (10 L)	VARIETY OF LIQUID
RL-WES1096-E1-100412	SPAR	I-129	CANYON WASTE	
RL-WES1096-E1-100416	OTHER WASRE	UNCH	NUCLEAR REACTORS...	

FORM DESCRIPTION	MIXED WASTE	CCSA PRIORITY RATING	IBAT PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION KEY
	UNKNOWN	47	330	283	F (Pu-238)(IRR)
	UNKNOWN	47	330	283	F (Np-237)(IRR)
	UNKNOWN	47	330	283	F (Pu-240)(IRR)
	UNKNOWN	47	330	283	F (Cm-244)(IRR)
	UNKNOWN	47	330	283	F (Am-243)(IRR)
	UNKNOWN	47	330	283	F (EU)(IRR)
	UNKNOWN	47	330	283	F (DU)(IRR)
	UNKNOWN	47	330	283	F (Th-232)(IRR)
METAL FRAMES & AIR FILTERING MATERIAL	NO	47	327.5	280.5	J (RH)
	UNKNOWN	47	327.5	280.5	J (RH)
	NO	47	327.5	280.5	J (RH)
	NO	47	327.5	280.5	J (RH)
PLASTIC, SOLIDIFIED LIQUID WASTE	NO	47	327.5	280.5	J (RH)
DRUM, IRRADIATED FUEL CONTAINMENT VESSEL	NO	47	327.5	280.5	J (CH)
LABORATORY WASTE, METAL, PAPER, PLASTIC	NO	47	327.5	280.5	J (CH)
LABORATORY WASTE, METAL, PAPER, PLASTIC	NO	47	327.5	280.5	J (CH)
	UNKNOWN	47	295	248	W (MPPF)(RH)
	UNKNOWN	47	295	248	W (MPPF)(RH)
	UNKNOWN	47	295	248	W (MPPF)(RH)
	UNKNOWN	47	295	248	W (MPPF)(RH)
	UNKNOWN	47	295	248	W (MPPF)(RH)
FUEL RODS 0.46% ENRICHMENT	NO	47	294	247	F (DU)(IRR)
FUEL RODS 0.46% ENRICHMENT	NO	47	294	247	F (DU)(IRR)
	NO	47	294	247	F (LEU)(IRR)
	NO	47	294	247	F (LEU)(IRR)
	NO	47	294	247	F (LEU)(IRR)
UO2 Zr CLAD	YES	47	292	245	H (EU)(ie-OR)
	UNKNOWN	87	295	208	W (MPPF)(RH)
OXIDE, NITRIDE & CARBIDE FUEL PELLETS	NO	47	246.5	199.5	D (SPENT FUEL)
COMBUSTIBLE HOT CELL WASTES IN METAL CANS	UNKNOWN	83	270	187	T (NEW FACILITY)
CORRODED AL FUEL TUBECULES	UNKNOWN	47	218	171	D (SPENT FUEL)
ISOTOPES FROM LABORATORIES	NO	47	218	171	F (Tc)
	YES	188	355	167	G (CANYON WASTE)
	YES	83	259	167	G (NUCLEAR REACTORS)

TABLE 28. HIGHEST RANKED SCW ITEMS FOR IMPLEMENTING TREATMENT (ALL FIELD OFFICES)

SCW ID CODE #	SCW CATEGORY	PROBLEM	CONTAINER TYPE	
RF-ROC1095-E1-100406	NC DP TRU	SIZE	BOX(4X4X7)	METAL, FILTERS E
RF-ROC1095-E1-100409	NC DP TRU	TRANSPORT	55GAL DRM	
OR-WES1112-E1-100451	PAL	URANIUM DAUGHTERS	N/A	PRINCIPLE CONST
RF-ROC1095-E1-100408	NC DP TRU	TRANSPORT	55GAL DRM	
SR-WES2005-E1-100911	PAL	TRU	55 GAL DRUMS	
SR-WES2005-E1-100912	PAL	TRU	CARBON STEEL BOXES	
NV-REE1010-E1-100044	PAL	URANIUM	55-GAL DRUM	MOIST SOLID, PRI
NV-REE1010-E1-100045	PAL	URANIUM	WOODEN BOX	MOIST SOLID, PRI
NV-REE1010-E1-100046	PAL	URANIUM DAUGHTERS	WOODEN BOX	MOIST SOLID, PRI
ID-EG&3025-E1-100017	PAL	PU	30-, 55-, AND 83 GALLON STEEL DRUMS	
ID-EG&3025-E1-100020	PAL	PU	FRP, METAL, & MIII BINS (EST. TOTAL 200 BOXES/YR OVER 23	
OR-POR2077-E1-101011	EXCESS	>EDL		AL, HG, OR NA F
AL-EG&1086-E1-100434	PAL	H-3	30 GALLON DRUM OVERPACKED IN 55 GAL DRUM	OCTANE ABSORBED (
AL-LAN1036-E1-100124	NON DP GEN	NON-DP	METAL PIPE CASK, ENCASED IN CONCRETE	
CH-ARG1097-E1-100417	SPAR	U235,238,MAP,MFP,TRU	HFEF-5 WASTE CAN (NEW-STYLE)	TYPICAL
CH-ARG1097-E1-100418	SPAR		HFEF-5 WASTE CAN (OLD STYLE)	TYPICAL
CH-ARG1097-E1-100419	PAL	SR-90 & CS-137	HFEF-5 WASTE CAN	TYPICAL
ID-EG&3018-E1-100022	NON DP GEN	COMM GEN	METAL DRUMS	
ID-EG&3018-E1-100023	NON DP GEN	COMM GEN	5 (83 GAL EA.) METAL DRUMS	
ID-EG&3018-E1-100024	NON DP GEN	COMM GEN	4 METAL BOXES (NO DIMENSIONS GIVEN)	
ID-EG&3018-E1-100025	NON DP GEN	COMM GEN	6 ("OTHER") CONTAINERS..SOME ARE WOODEN	
NR-WES2081-E1-101030	OTHER WASTE	UNCH	316 STAINLESS STEEL TANKS	
OR-DOE2214-E1-101382	EXCESS		STEEL, CYLINDERS TO CONTAIN 2.5, 10&14 TONS	SOLIDIFIED UF6
OR-DOE2214-E1-101383	EXCESS		STEEL, CYLINDERS TO CONTAIN 2.5, 10&14 TONS	SOLIDIFIED UF6
OR-POR2077-E1-101016	EXCESS	>EDL	127 MONEL CYLINDERS	U FUEL IN MONEL
CH-BAT1092-E1-100396	EXCESS	>EDL	METAL CANS	
ID-ROC1109-E1-100441	PAL	URANIUM	AS REQUIRED BY DRAFT DOE-IE ORDER 5820.2A	
NR-DOE2079-E1-101028	SPAR	MAP		CLASSIFIED HARDW
NR-GEN2080-E1-101029	NC DP TRU	TRANSP	55 GAL DRUMS & SS BOXES	
NR-U.S2078-E1-101027	SPAR	MAP		CLASSIFIED HARDW
NR-WES2082-E1-101033	NC DP TRU	WAC	UNPACKAGED	SOLIDIFY FINES IN
NR-WES2082-E1-101034	SPAR		55 TON SCRAP CASK INSERTS	IRRADIATED METAL
NR-WES2082-E1-101035	SPAR		55 TON SCRAP CASK INSERTS	IRRADIATED METAL
OR-DOE2214-E1-101384	PAL		TBD.	TBD
OR-MHE2211-E1-101361	EXCESS	>EDL		
OR-MHE2212-E1-101377	EXCESS		OAK RIDGE NUCLEAR MATERIAL PROD. INVENTORY	26
OR-MHE2212-E1-101378	EXCESS		OAK RIDGE NUCLEAR MATERIALS PROD. INVENTORY"	26 FOI
OR-MHE2212-E1-101379	PAL	TH-232	UNK	10,000 GRAHS
OR-MHE2212-E1-101380	PAL	TH-232	UNK	110 kg OF T
OR-MHE2213-E1-101381	PAL			4,140 GRAHS OF T
OR-PAD1013-E1-100054	NC DP TRU	TRANSP	55-GALLON METAL DRUMS IN OVERPACKS	
RL-WES1088-E1-100440	PAL	CS-137	16-ONE GALLON CANS	
SR-WES2005-E1-100906	PAL	C-14	STAINLESS STEEL VESSEL	
SR-WES2005-E1-100907	PAL	C-14	STAINLESS STEEL VESSEL	
SR-WES2005-E1-100908	PAL		CONTAINER	
OR-POR1111-E1-100450	EXCESS		112 MONEL CYLINDERS	URANIUM FUEL IN M

FORM DESCRIPTION	MIXED WASTE	CCSA PRIORITY RATING	IBAT PRIORITY RATING	PRIORITY EVALUATION	POTENTIAL RESOLUTION KEY
IC.	Y	232.5	67	-165.5	R (SIZE)
?	Y	232.5	67	-165.5	R
CONSTITUENTS ARE URANIUM & IRON NO 801 OR 802	YES	398	248	-150	O (COTTER CONC)
	Y	232.5	95	-137.5	R (WATTAGE)
	YES	163	47	-116	O (Pu-238, Pu-52 WG)
	YES	163	47	-116	O (Pu-238, Pu-52 WG)
PRINCIPAL CONSTITUENTS URANIUM & IRON	YES	200	128	-72	O (Ra-226)
PRINCIPAL CONSTITUENTS URANIUM & IRON	YES	200	128	-72	O (Ra-226)
PRINCIPAL CONSTITUENTS URANIUM & IRON	YES	200	128	-72	O (Ra-226)
SOLID WASTE	YES	248	208	-40	O (MAP, LLW-TRU)
SOLID WASTE	YES	248	208	-40	O (LLW-TRU)
	NO	248	208	-40	F (Tc)
ION VERMICULITE IN POLY BOTTLES IN 30 GAL DRUM	YES	83	47	-36	O (TRITIUM)
LAMPRE REACTOR CORE	UNKNOWN	83	47	-36	J(REACTOR CORE)
POLY STAINLESS STEEL PARTS & HARDWARE	YES	83	47	-36	O (MFP, MAP)
POLY STAINLESS STEEL PARTS & HARDWARE	YES	83	47	-36	O (MFP, MAP)
POLY STAINLESS STEEL PARTS & HARDWARE	YES	83	47	-36	O (MFP, MAP)
	UNKNOWN	83	47	-36	A (MEX Am)
	UNKNOWN	83	47	-36	A (MEX Am)
	UNKNOWN	83	47	-36	A (MEX Am)
	UNKNOWN	83	47	-36	A (MEX Am)
	UNKNOWN	83	47	-36	A (MEX Am)
	YES	148	128	-20	B (RH)
	YES	148	128	-20	C (UF6)
CYLINDERS	NO	67	47	-20	C (UF6)
PU-239 AS PU02	NO	47	47	0	N (Pu-239)(RL, LANL)
	NO	47	47	0	O (U)
WARE (METAL)	NO	47	47	0	O (MAP)
VARIOUS FORMS-NO LIQUIDS	NO	47	47	0	R (RH)
WARE (METAL)	NO	47	47	0	O (MAP)
CONCRETE	UNKNOWN	83	83	0	L (RH)
COMPONENTS	NO	47	47	0	O (MAP)
COMPONENTS	NO	47	47	0	O (MAP)
LIKELY DAMP ION EXCHANGE RESIN	UNKNOWN	47	47	0	O (Tc-99)
	NO	47	47	0	H (EU)
FOILS OF PU FROM DOSIMETERS.	NO	47	47	0	N (Np)(RL, LANL)
FOILS OF NEPTUNIUM FROM DOSIMETERS.	NO	47	47	0	N (Np)(RL, LANL)
DISKS OF THORIUM, DISK SHAPE (11.5" DIA X .5")	NO	47	47	0	O (Th)
THORIUM PELLETS & SOLID METAL THORIUM RODS	NO	47	47	0	O (Th)
THORIUM OXIDE AS SLUGS, DISKS, & MISC PIECES	NO	47	47	0	O (Th)
	YES	128	128	0	M
	NO	47	47	0	O (MFP)
	NO	47	47	0	O (C-14)
SS VESSELS	NO	47	47	0	O (C-14)
	YES	47	47	0	O (I-129)
DRUM CYLINDERS & URANIUM HEXAFLUORIDE	NO	67	69.5	2.5	I (FRENCH FUEL)

## RESULTS

The highest ranked items for continued storage, shown in Table 27, are items that require development of a suitable recovery method for excess material or treatment methods for waste. Some of these recovery or treatment methods will require new facilities that are very costly, others are waiting for planned facilities, that will also be very costly to complete. The high cost of building new treatment facilities increased the priority rating for treatment of the waste. This drives the priority evaluation toward continuing storage.

Other items that also ranked high for continued storage are some nondefense TRU waste that need a disposal facility identified. This ranking depends on whether the nondefense TRU waste can be disposed at some existing facility or whether a new disposal facility will have to be built. The priority evaluation on these items assumed that a new disposal facility would have to be built. If a decision can be made to dispose of these items at some existing disposal facility, such as WIPP, then the priority evaluation would change dramatically.

The highest ranked items for implementing treatment, shown in Table 28, are items that need to be repackaged, certified, or characterized at an existing facility, and items that need to have a PA completed to determine the disposal method and location. It is possible that the results of the certification, characterization or PA could indicate that an expensive treatment is required to dispose of the waste. A new priority evaluation done at that time would give a different ranking.

There are also some excess materials that can be recovered at existing facilities. Some of these materials may have to be packaged and sent to other facilities for recovery where the capabilities exist. Decisions for recovery of these materials should be made if the recovery capacity is not a problem.

## CONCLUSIONS

This evaluation method is a useful technique for ranking special case wastes to determine the priorities that should be used for implementing treatment methods that will enable the special case waste to be disposed. The ranking also shows which items should continue to be safely stored. The evaluation presented in this report can be improved by forming a technical evaluation group of recognized experts from the various field offices in the DOE complex to perform the evaluation. However, the evaluation presented in this report should be reviewed by cognizant DOE-HQ personnel or others selected by them to determine if improvement is warranted. For example, availability of Treatment and Storage facilities and whether they comply with regulations are always subject to change. Therefore, any evaluation made would soon have some discrepancies. The evaluation in this report is useful now and any discrepancies that are found can be easily corrected.

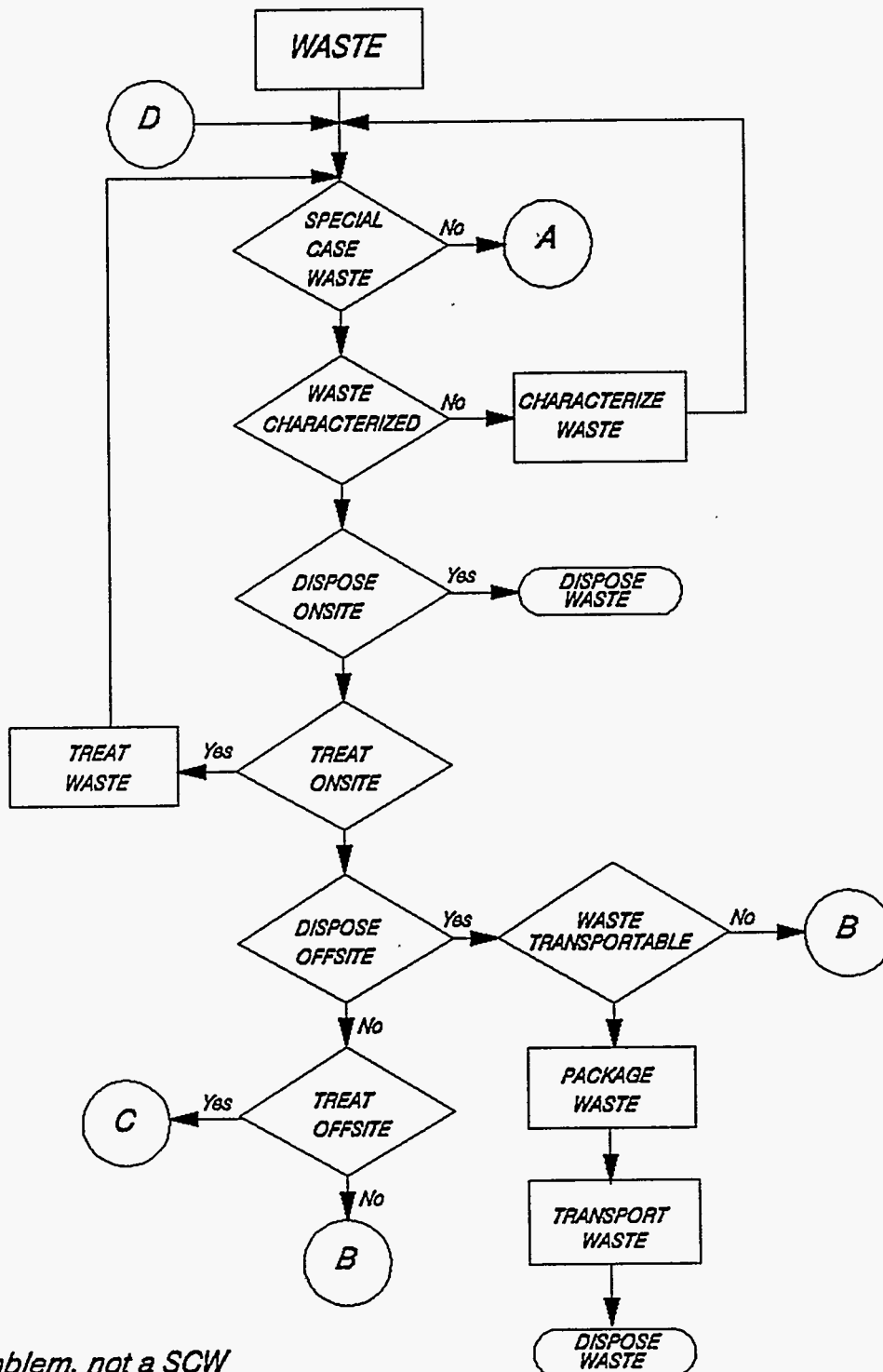
The full spreadsheet (Lotus 1-2-3) ranking of all 279 special case waste data record sheets is available on diskette, but was too large to easily include as an appendix to this report. The summary Tables (27 and 28) provide abbreviated information on the items at both ends of the priority evaluation ranking, but do not include the majority of the items in the middle of the spreadsheet. In addition all of the data in Tables 16 through 25 are also available on diskette as Lotus spreadsheets. The priority evaluation Tables (16B through 25B) include formulas that automatically calculate the priority rating and the priority evaluation when the numbers are changed. These spreadsheets can therefore be easily revised and updated to reflect any changes that may occur.

APPENDIX A

SPECIAL CASE WASTE TREATMENT AND DISPOSAL STRATEGY  
DECISION TREE

**SPECIAL CASE WASTE TREATMENT AND DISPOSAL STRATEGY**

**DECISION TREE**



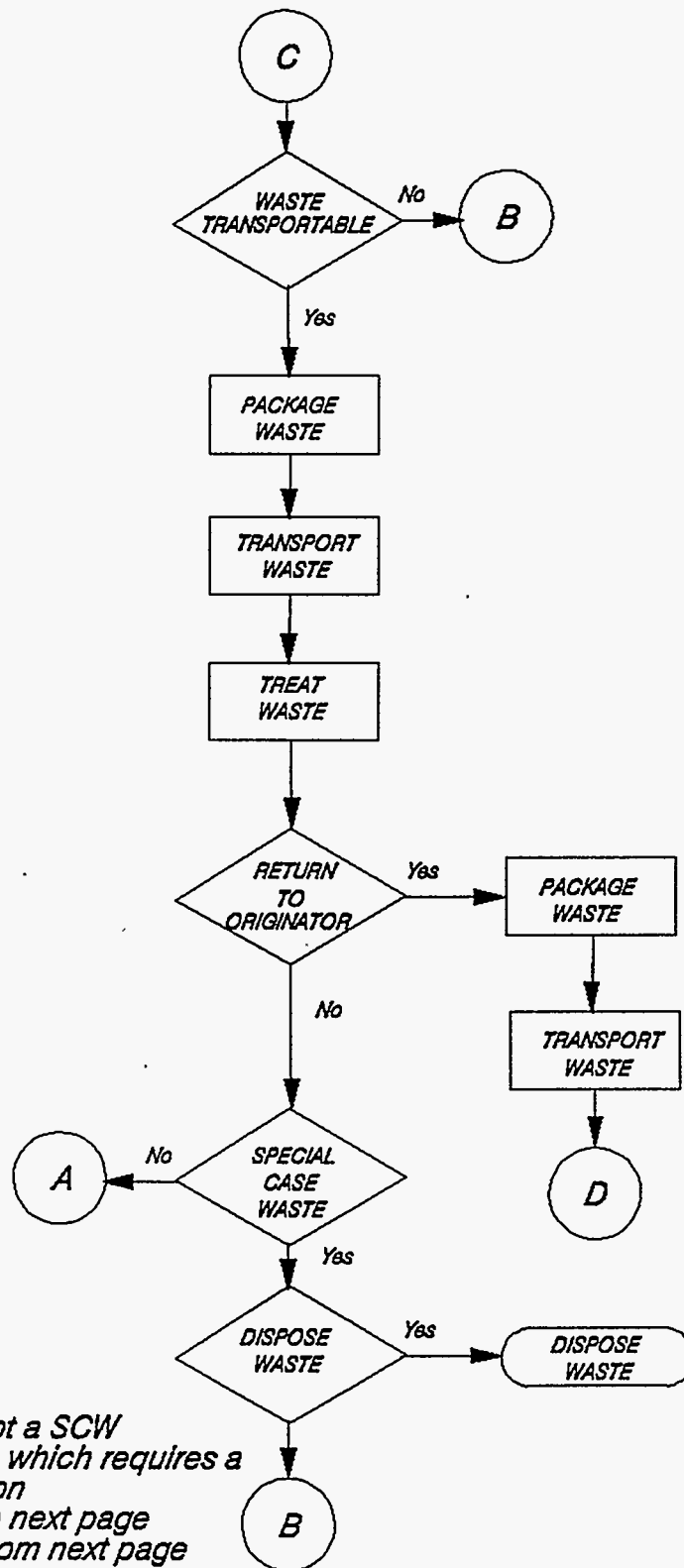
- A. No problem, not a SCW
- B. Problem waste which requires a Priority Evaluation
- C. Continuation to next page
- D. Continuation from next page

ATTACHMENT NO. 1  
SCW



# SPECIAL CASE WASTE TREATMENT, STORAGE AND DISPOSAL STRATEGY

## DECISION TREE



- A. No problem, not a SCW
- B. Problem Waste which requires a Priority Evaluation
- C. Continuation to next page
- D. Continuation from next page