

MAR 23 1998  
Sta. 37

ENGINEERING DATA TRANSMITTAL

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization)		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: Spare Parts List		6. Design Authority/ Design Agent/Cog. Engr.: W. H. Hays		7. Purchase Order No.: N/A	
8. Originator Remarks: Spare parts list for 241-C-106 waste retrieval				9. Equip./Component No.: N/A	
				10. System/Bldg./Facility: 241-C-106	
11. Receiver Remarks: 11A. Design Baseline Document? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				12. Major Assm. Dwg. No.: N/A	
				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: N/A	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	HNF-2404	N/A	0		N/A			

16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION  
(See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
1	1	Design Authority	J. W. Bailey								
		Design Agent	N/A								
1	1	Cog. Eng.	R. R. Bevans	3/16/98							
1	1	Cog. Mgr.	see W.H. Hays	See Blk. 20.							
		QA	N/A								
		Safety	N/A								
		Env.	N/A								

18. W. H. Hays Signature of EDT Originator Date 3/16/98	19. J. W. Lentsch Authorized Representative Date 3/16/98	20. D. J. Smith Design Authority/ Cognizant Manager Date 3/16/98	21. DOE APPROVAL (if required) N/A Ctrl. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments
---	--	---	--

# PROJECT W-320 241-C-106 WASTE RETRIEVAL SPARE PARTS LIST

W. H. Hays  
Fluor Daniel Northwest, Inc., Richland, WA 99352  
U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 603743 UC: 512  
Org Code: SFC21000 Charge Code: A941101  
B&R Code: EW3130010 Total Pages: 59

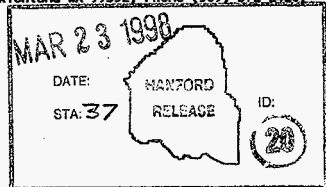
Key Words: W-320; waste retrieval; spare parts; 241-C-106; AY Farm;  
C Farm

**Abstract:** Spare parts for equipment installed in the tank dome space or pump or valve pits should not be inventoried onsite due to the extensive, time-consuming work package planning, personnel/equipment mobilization, and funding requirements that are prerequisites to any repair or replacement. These issues provide adequate time to procure parts from offsite sources.

All parts listed in this inventory can either be stocked in the DynCorp Tri-Cities Services, Inc., 2101-M Warehouse, or are available from the vendor/manufacturer.

**TRADEMARK DISCLAIMER.** Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: WHC/BCS Document Control Services, P.O. Box 1970, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

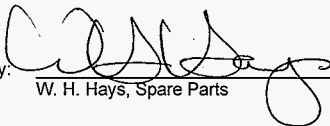


*Janis Aardal* 3-23-98  
Release Approval Date

**Approved for Public Release**

HNF-2404  
Revision 0

March 1998

Prepared By:  Date: 3/13/98  
W. H. Hays, Spare Parts

Reviewed and  
Approved By:  Date: 03/13/98  
M. A. Lane, Project Manager

Prepared by  
Fluor Daniel Northwest, Inc.  
Richland, Washington  
for  
Lockheed Martin Hanford Corporation  
Richland, Washington

C-106 W-320 WASTE REMOVAL PROJECT  
W-320 SPARE PARTS

Spare part listings have been developed using the following;

- Interim Safety Equipment list for 241-C-106 Waste Removal Project
- Vendor's recommended spare parts lists
- Fluor Daniel Northwest (FDNW) Design Engineer's recommended spare part lists
- Lockheed Martin Hanford Corporation (LMHC) Design Authority's recommendation(s)
- Market surveys of readily available spare parts
- Historical usage of similar parts/equipment
- LMHC Maintenance Concepts recommendations
- Construction field personnel knowledge and experience
- Assumptions of project scope and expected life.

#### ASSUMPTION

Spare parts for equipment installed in the tank dome space or pump or valve pits should not be inventoried onsite due to the extensive, time-consuming work package planning, personnel/equipment mobilization, and funding requirements that are prerequisites to any repair or replacement. These issues provide adequate time to procure parts from offsite sources.

#### Exceptions:

- If the part is a specialty item and not available from any vendor's inventory.
- If the item is already available as a construction spare or previous purchase.
- If the delivery time from an offsite source is counterproductive to the project schedule.

Spare parts located in other than intrusive locations should not be maintained onsite if they are available from a vendor's inventory and delivery can be accomplished in a reasonable amount of time (i.e., 5 to 10 working days).

Onsite inventories of spare parts have not been recommended for the following systems:

- C Farm Ventilation
- In-Tank Imaging System
- AYC Farm Sluicing Pump/Winch, Variable Speed Drive(s)
- C Farm Air Inlet Cooling

For these systems, we have recommended various methods for ensuring system reliability at minimal costs to the project. These methods consist of vendor agreements wherein the vendor will maintain spares at their facility; service agreements will ensure that spares and service technicians are available to support project schedules; vendors certification(s) that spares are readily available for the duration of the project and costs incurred only when delivered to the site; engineering solutions to power/ventilation loss during the pumping phase of the project.

These options are further defined within the spares listing under the specific system affected by this approach.

Numerous fuses, indicator lights and bulbs should be maintained onsite to support C-106 sluicing operations, but not necessarily in an official spare parts inventory. We recommend that adequate quantities be maintained at the work location and controlled as shop consumables. These items have been identified in this listing.

All parts listed in this inventory can either be stocked in the DynCorp Tri-Cities Services, Inc., 2101-M Warehouse or are available from the vendor/manufacturer.

W-320-C-106 WASTE RETRIEVAL PROJECT  
 SPARE PARTS

Spare parts are categorized by major system, equipment piece, and component.

SYSTEM
Cathodic Protection
AY Farm Electrical Distribution
AY Farm Equipment and Instrumentation
AY Farm Sluicing Pump/Winch
AY Farm 02-E Pit Cooling
AY 102 Ventilation
Annulus
Primary
C Farm Electrical Distribution
C Farm Equipment and Instrumentation
C Farm Process Air
C Farm Slurry Pump/Winch
C Farm Sluicer
C Farm In-Tank Image System
C Farm Air Inlet Cooling
Portable Exhauster

## SPARE PARTS FOR W-320 PROJECT

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
Cathodic Protection										
			Spare (onsite)							
N/A		S-3440	Norton Corrosion Ltd. Diodes		X			X	6	2
N/A		L-155015	Norton Corrosion Ltd. Fuses		X			X	6	2
AY Farm Electrical Distribution										
Seismic Shutdown System										
			Spare (onsite)							
SSS-1361		501090-PL	Seismic switch Kinometrics Model TS-33MOD ANSI LEVEL B STORAGE REQUIRED		X	X			1	0
SSS-1361		NP18-12B	YUASA 12v battery ANSI LEVEL B STORAGE REQUIRED		X	X			4	2
N/A		HPX-30 NM046	Xenotronix/Nutherm 12v charger ANSI LEVEL B STORAGE REQUIRED Nutherm International Inc. 501 South 11th Street Mt. Vernon IL 62864 (618) 244-6000		X	X			1	0
N/A	FU-1	FNQ ½	Bussman ½ amp, dual element time delay, IF-S-8		X	X			10	4
IF-1	FU-1	FNQ 1½	Bussman 1½ amp, dual element time delay, IF-9-12		X	X			10	4
IF-1	FU-3	FNQ 5	Bussman 5 amp time delay, IF-1-4		X	X			10	4
IF-1	FU-3	FNQ-R7½	Bussman 7½ amp, dual element time delay, FU-1&2		X	X			10	4
IF-1	FU-3	FNQ 10	Bussman 10 amp time delay, FU-3		X	X			10	4
IF-12	FU-3	235001	Littlefuse 1 amp 5x20mm 250v time delay		X		X		10	4
IF-12	FU-3	800T-N65	Allen-Bradley 6v incandescent lamp ANSI 755		X		X		10	4

Tag Number	System	Part Number	Part Description	Critical Spare	Yes	No	SC	SS	GS	IAR High	IAR Low
------------	--------	-------------	------------------	----------------	-----	----	----	----	----	----------	---------

AY Farm Equipment and Instrumentation											
Control Panels											

N/A		Spare (onsite)									
N/A		312001	Littlefuse Normal Blow 1 amp 250v	X						X	10
N/A		312005	Littlefuse Normal Blow 5 amp 250v	X						X	10
N/A		800T-N169	Allen-Bradley 120v incandescent lamp ANSI 949	X						X	4
N/A		6VCS2	Grainger wedge base type T-1.75 lamp	X						X	20
N/A		KP12V20	Square D class 8501 general-purpose plug-in relay	X						X	4
N/A		JCK23V320	Square D class 9050 variable time delay plug-in timer	X						X	2
AY Farm Sizing Pump/Winch											
Pump Speed Control											
CMC-0621			Variable speed drive Reliance Electric (206) 746-2840						X		

**NOTE**

Vendor spare parts list attached. Engineer and field personnel do not feel that troubleshooting or repairs can be accomplished in the field without the factory representative onsite.

Recommend that a service agreement with Reliance Electric be put in place.

Technician service agreements are available for blocks of time. Agreements are valid for 1 year from purchase date. [Jan Ross, Service Coordinator (714) 816-8820]

Spare parts can be inventoried by the vendor and they are willing to negotiate with us for this service.  
[Dave Bain, Spare Parts Manager, (503) 228-4951]

Additionally, Reliance Electric has a troubleshooting service via the telephone for a nominal fee. [Jim Hackiewicz (206) 649-1512]

Pump Control											
N/A			Spare (onsite)							X	
N/A		FNC-R½	Bussman ½ amp time delay fuse							X	2
Pump Control (continued)											

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
N/A		FNQ-R2	Bussman 2 amp time delay fuse		X			X	2	1
N/A		28-2202	Lamp, 6.3v H&N Electric, Inc. Pasco WA 99301 547-1691		X			X	10	2
AY Farm 02-E Pit Cooling										
			Spare (onsite)							
PSV		10-408-05	ConBraCo 30 psi pressure relief valve		X			X	1	0
N/A		LB1LB03P10	Telemecanique thermal module overload		X			X	1	0
N/A		LB1LB03P08	Telemecanique thermal module starter		X			X	1	0
N/A		LB1LB03P06	Telemecanique low-speed thermal module overload (see above)		X			X	2	1
N/A		LB1LB03P07	Telemecanique high-speed thermal module overload		X			X	1	0
N/A		FNQ 4½	Bussman fuse		X			X	2	1
N/A		FNQ 3½	Bussman fuse		X			X	2	1
N/A		FRN-10	Bussman fuse		X			X	2	1
N/A		FRM-12	Bussman fuse		X			X	2	1
N/A		BM6032B	Bussman crankcase heater fuse		X			X	1	0
N/A		FNQ-1	Bussman fuse		X			X	1	0
C Farm Electrical Distribution										
Seismic System Shutdown										
SSS-1362		501090-PL	Seismic trigger Model TS-33 ANSI LEVEL B STORAGE REQUIRED		X	X			1	0
Seismic System Shutdown (continued)										



Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
N/A		NP18-12B	YUASA 12v battery ANSI LEVEL B STORAGE REQUIRED		X	X			4	2
N/A		HPX-30 NM046	Xenotronix/Nutherm 12v charger ANSI LEVEL B STORAGE REQUIRED Nutherm International Inc. 501 South 11th Street Mt. Vernon IL 62864 (618) 244-6000		X			X	1	
N/A		FNQ ½	Bussman ½ amp, dual element time delay		X	X			10	4
N/A		FNQ 1½	Bussman 1½ amp, dual element time delay		X	X			10	4
N/A		FNQ 5	Bussman 5 amp time delay		X	X			10	4
N/A		FNQ-R7½	Bussman 7½ amp, dual element time delay		X	X			10	4
N/A		FNQ 10	Bussman 10 amp time delay		X	X			10	4
N/A		235001	Littlefuse 1 amp 5x20mm 250v time delay		X	X			10	4
N/A		800T-N65	Allen-Bradley 6v incandescent lamp ANSI 755		X	X			10	4
<b>C Farm Equipment and Instrumentation</b>										
Exhaust Skid										
	Exhaust stack		Spare (onsite)							
N/A		COHD 73	Eberline fuse drawer (for power entry drawer)		X			X	1	0
N/A		COPR 13	Fuse holder assembly		X			X	1	0
N/A		FIFP10	Filter paper		X			X	100	20
N/A		FUSB 12	1 amp 250v Slo Blo fuse 3AG		X			X	5	1
N/A		MEVE 118	2.4 amp 12v power supply		X			X	1	0
RE-1363		SP24E	AMS-4 front panel board		X			X	1	0

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
Exhaust Skid (continued)										
	Exhaust Stack (continued)									
RE-1363		SP29-A	AMS-4 standard analog board		X			X	1	0
	AMS-4 radial entry sampling head							X		
N/A		LPAS4	Lamp socket		X			X	2	1
N/A		LPBU6	14v bulb		X			X	6	2
N/A		SP28C	Alpha/beta modular detector board		X			X	1	0
N/A		SP28D	Gamma modular detector board		X			X	1	0
	AMS-4 in-line sampling head									
FC-1365/6		LPAS31	Lamp socket and lens		X			X	2	1
N/A		LPBU6	14v bulb		X			X	6	2
N/A		SP28E	Beta/alpha modular detector board		X			X	1	0
N/A		SP28F	Gamma background modular detector board		X			X	1	0
Air/Water Service Building										
			Spare (onsite)							
WST-LIT-1306	C-106 tank level indicating transmitter	2655.170	Enraf 315 ma T slow blow for 110/130 VAC		X			X	12	3
N/A		2655.173	Fuse, Enraf 630 ma T slow blow for 220/240 VAC		X			X	13	3
N/A		2655.175	Fuse, Enraf 1 A T for 65 VAC		X			X	14	4
	Control Panel (s) CP-01, IE-1361/1362		Spare (onsite)		X					

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
N/A		312001	Littlefuse 1A 250v normal blow		X			X	4	1
N/A		313.250	Littlefuse 1/4A 250v time delay		X			X	4	1
N/A		312005	Littlefuse 5A 250v normal blow		X			X		
N/A		800T-N169	Allen-Bradley 120v incandescent ANSI 949		X			X	4	1
N/A		6VC52	Grainger Type T-1.75 wedge base		X			X	20	5
N/A		KP12V20	Square D Class 8501 general-purpose plug-in relay		X			X	4	1
N/A		JCK23V20	Square D Class 9050 plug-in variable time delay timer		X			X	2	0
Compressed Air Dryer										
			Spare (onsite)							
N/A		N/A	Actuated alumina dessicant		X			X	25 lb	0
N/A		26-5872	Control power fuse (VI-22668, Supp 150)		X			X	5	1
N/A		26-1201	Control air filter Van Space Air Systems, Inc 2950 Mechanic Street Lake City PA (814) 774-2631		X			X	2	2
Electrical Equipment Skid										
	Annunciator 1363/4 A&B		Spare (onsite)							
N/A		Littlefuse 313.0625 or Panalarm 110797	Time delay fuse 1/16A 250v		X			X	5	2
N/A		110738	Panalarm 1/4A 24VDC fuse		X			X	2	0

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
<b>C Farm Process Air</b>										
Process Building										
	Duct Heater		Spare (offsite)							
		161-510046-001	Chromalox duct heater		X			X	N/A	N/A
	High Efficiency Mist Eliminator		Spare (onsite)							
N/A		SS-30A05-PM	CECO filter CECO Filters, Inc. (800) 220-8021		X			X	N/A	N/A
N/A		S/STL	¼" Mace hollow cone 90° 0.28 gpm filter spray nozzles Beta Fog Nozzle, Inc.					X	N/A	N/A
BP1361/2			Backflow preventer (see In-Tank Imaging)		X		X		N/A	N/A
N/A			Spare (offsite)							
N/A			Air cooler KETEMA Heat Transfer Division 2300 West Marshall Drive Grand Prairie TX 75051		X			X	N/A	N/A
<b>Exhaust Skid</b>										
	Vacuum Pumps		Spare (onsite)							
		Gast K-479	Vacuum pump rebuild kit		X		X		1	0
296-C-006	Isokinetic Air Sampler		Spare (onsite)							
N/A		BBM 2000	Neptronic modulating actuator		X			X	1	0
N/A		205-430-00	IDEC 24VDC 3A relay		X			X	2	0

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
	Isokinetic Air Sampler (continued)									
N/A		207-504-00	AMC 120VAC indicating light bulb		X			X	3	1
N/A		207-202-00	AMC 24VAC indicating light bulb		X			X	3	1
<b>NOTE:</b> This system utilizes various fuses (Buss AGC) that are common items and do not require special inventories or agreements										
			Vendor: Air Monitor Corp. 1050 Hopper Avenue Santa Rosa CA 95403 (707) 526-9970							
Slurry Pump/Winch										
CMC-0621	Pump Speed Control		Spare (vendor agreement)		X					
			Variable speed drive		X			X	N/A	N/A
			(See AY Farm Variable Speed Drive)							
	Winch Control		Spare (onsite)		X					
			Winch control panel construction spare, 2101M/200E, presently in convenient storage		X			X	1	0
C Farm Sluicer										
	Sluicer Assembly		Spare (onsite)							
			Sluicer assembly and control cabinet, 2101M/200E, presently in convenient storage #43280		X			X	1	0
		313001	Littlefuse 1A 250v 3AG time delay fuse		X			X	5	1

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
In-Tank Imaging System										
			Spare (offsite)							
CCTV-1361		RCS-521NBP	Camera		X			X	N/A	N/A
CCTV-1361		PTE-300S	SST pan and tilt		X			X	N/A	N/A
CCTV-1361		MN401X	Camera module		X			X	N/A	N/A
CCTV-1361		R12364	25' Mast to local interface unit camera cable		X			X	N/A	N/A
CCTV-1361		R8504	25' Mast to local interface unit camera cable		X			X	N/A	N/A
CCTV-1361		09810	25' Mast to local interface unit cable light		X			X	N/A	N/A
CCTV-1361		RCS-521NBP	Camera O-ring kit		X			X	N/A	N/A
CCTV-1361		N/A	Lamps, waterproof connectors							
			Spare (onsite)							
BP1361/2		Series 909	Backflow preventer, Series 909 Repair kit Watts Regulator Co. Lawrence MA 01842		X			X	1	0
			Vendor: R. J. Electronics Salem OR (503) 362-4733							
<b>NOTE:</b> The majority of parts for the In-Tank Imaging System are dome/pit intrusive and repair/replacement cannot be accomplished without extensive preparations. All parts are standard stock items and readily available in a timely manner from the original vendor. Maximum delivery of all identified spares is 6-8 weeks.										
C Farm Air Inlet Cooling										
	Chiller Skid		Spare (offsite)							
Chiller			Compressor		X			X		
Chiller			Motor		X			X		

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
	Chiller Skid (continued)									
Chiller			Duplex strainer		X			X		
Chiller			Air separator		X			X		
Chiller			Vessel, expansion, make up		X			X		
Chiller			Pump, chilled water ITT Fluid Technology Corp. (513) 482-2500		X			X		
Chiller			Pressure switch/gauge Dwyer Instruments, Inc PO Box 373 Michigan City IN 46360 (219) 879-8000		X			X		
Chiller			Flowmeter, Wafermag Electromagnetic, 4" Brooks Instruments Statesboro, GA		X			X		
			Vendor McGowen Construction Services Richland WA 99336							
<b>NOTE:</b>	Chiller unit has two compressors for added capacity. Existing conditions only require one compressor operational at any one time. The system also has two, redundant chiller water pumps. Both can serve as spare parts. No other spares should be required as all items are standard shelf items available from local distributors, except as discussed above.									
<b>AY 102 Ventilation</b>										
Primary system										
	702-A Fans, K1-1-1 and K1-1-2									
			Motor, 100hp 3600 rpm 460v 60hz TEFC, 405 TS frame size (est cost \$5,000)		X			X	1	0

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
	702-A Fans, K1-1-1 and K1-1-2 (continued)									
N/A		SAOL 2	Fafnir 11/16" bearings (est cost \$300)		X			X	2	2
N/A			Kop-Flex size 2½ , fast full flex 2½ shrouded coupling (est cost \$400)		X			X	1	1
N/A		0-003-F-03-03-NU-13-23-GGF-U5 or 0-003-F-00-NU-13-23-GGF-U5	Flanders HEPA filters		X			X		
<b>NOTE:</b> The primary ventilation system is a redundant system with standby equipment that can adequately handle the anticipated load. These fans are being replaced by the W-030 project and spare parts for the replacement equipment have been established under that project. (See attached listing)										
AY-102 Annulus Exhaust (296-A-19)										
			Spare (onsite)							
N/A		052204	Dodge SCM 1 11/16" bearings Exceptions: Nickel-plated housings, corrosion-resistant fingers, air handling quality, prelubricated 100% with EP #2 grease Hanford S/N 6167-0479-6755		X			X	2	2
N/A			Electric motor, 15hp, 1800rpm, 3-phase, 230/460v, 60hz Hanford S/N 6117-4055-4400		X			X	1	1
N/A		560110	Browning poly-V drive belt stocked by East Area millwrights		X			X	1	1



Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
AY-102 Annulus Exhaust (continued)										
N/A		T-007-F-03-05-NU-51-23-GGF-U5	Flanders liquid seal HEPA element filter Hanford general stock		X			X	8	4
N/A			Offsite							
N/A		332-502-008	American Air Filter inlet prefilters 24"x24"x4" 65% efficient		X			X		
N/A		15Z20J1T12E 2	American Air Filter inlet filter 24"x24"x4"		X			X		
N/A		1DP1-5/8	Browning idler assembly bearing belt Bearings Incorporated Pasco WA		X			X		

In the event of electrical power loss to tank farms, temporary power to operate annulus exhaust systems will be supplied by portable generator(s). These portable generator units are inventoried and maintained as HO-coded equipment and, as such, are maintained by the DynCorp heavy equipment organization. Sufficient spare parts are either maintained in onsite inventories or available through local distributors to ensure equipment availability to support the C-106 sluicing operations. No additional spare parts will be maintained by the project in support of this equipment. In the event of annulus exhaust failure, portable exhausters are available to be used to maintain ventilation. Spare parts for these portable exhausters are listed in Appendix F.

Miscellaneous Spares										
SHIMS										
			Spares (onsite)							

Spares for SHIMS have previously been established within the Hanford Site Inventory System. Spares are inventoried and maintained in the 2101-M warehouse, 200 East Area. Spares are inventoried under stock number(s): 6118-2830-XXXX; 6118-1182-XXXX; 6118-2830-XXX; and 6111-5610-XXXX. Additionally, miscellaneous SHIMS replacement parts are stored in the Hanford Convenient Storage System, 2101-M warehouse, under Author D. D. Tate and Buyer K. S. Hoeft (list attached).

ENRAF										
			Spare(s) (onsite)							

Spares for ENRAF have previously been established within the Hanford Site Inventory System. Spares are inventoried and maintained in the 2101-M warehouse, 200 East Area. Spares are inventoried under stock number(s): 6118-3448-XXX; 6167-3250-XXXX; 6167-4818-XXXX; 7900-3900-XXXX; 9900-4131-XXXX; and 9900-4150-XXXX. Spares specific to the W-320 project are as follows. Currently, ERAF spares are the responsibility of Mr. John H. Huber, LMHC (list attached).

Tag Number	System	Part Number	Part Description	Critical Spare		Safety Class			IAR High	IAR Low
				Yes	No	SC	SS	GS		
			Densitometer Currently in J. H. Huber's possession, MO-028/B108/200W		X			X	1	
Leak Detectors										
			Spare(s) (onsite)							
Currently, TWRS Leak Detector spares have not been established onsite. Replacement parts (see H-2-34965, parts 38 through 43) are onsite and under the custody of R. B. Dunn, 272-AW/200E, 373-4719 (list attached)										

W-320-C-106 WASTE RETRIEVAL PROJECT  
SPARE PARTS

Spare parts are categorized by major system, equipment piece, and component.

SYSTEM	ESTIMATED COST
Cathodic Protection	\$90.00
AY Farm Electrical Distribution	\$11,677.00
AY Farm Equipment and Instrumentation	\$306.00
AY Farm Sluicing Pump/Winch	\$12,347.00
AY Farm 02-E Pit Cooling	\$106.00
AY 102 Ventilation	
Annulus	\$7,720.00
Primary	\$4,251.00
C Farm Electrical Distribution	See AY Farm Electrical Distribution
C Farm Equipment and Instrumentation	\$3,402.50
C Farm Process Air	\$4,061.00
C Farm Slurry Pump/Winch	See AY Farm Sluicing
C Farm Sluicer	\$15.00
C Farm In-Tank Image System	No Charge
C Farm Air Inlet Cooling	No Charge
Subtotal	\$43,975.50
Contingency @ 20%	\$8,795.00
TOTAL	\$52,770.00

MEMORANDUM OF UNDERSTANDING  
 W-320 C-106 WASTE RETRIEVABLE PROJECT  
 SPARE PARTS, VARIABLE SPEED DRIVES

This Memorandum of Understanding (MOU) between Lockheed Martin Hanford Corporation (LMHC), Richland, Washington, and Reliance Electric, Cypress, California, is for the purpose of providing:

1. Spare parts for variable speed drives (Add model numbers and hp datings)
2. Repair technician services at the Hanford Site (Add number of hours required, i.e., 10 Mhs. etc.)
3. 24 hr. telephone troubleshooting hotline.

These services will be provided for a period of one (1) year, from the date of this agreement, and may be extended for one (1) additional year at the same terms and pricing as the original agreement (Add escalation percentage).

Reliance Electric will ensure that spare parts (provide a listing) will be maintained at the vendor's facility and will be stored in accordance with ANSI N45.2.2, level "B" storage, for all designated (provide a list) electronic parts and level "C" for all others. LMHC will not be required to purchase a predetermined quantity of spares from this listing. If, at termination of this agreement, LMHC has not purchased any services or parts from this agreement, then a restocking charge of \$     .00, will be assessed. Purchases under this agreement in excess of \$     .00 will fulfill the obligations of this agreement and LMHC will not incur any additional charges. Spare parts will be available from Reliance Electric and will be delivered to the Hanford Site within two (2) weeks of such a request.

Technician services will be provided to the site within forty-eight (48) hours of the request. Technicians will provide all tools, instruments, equipment, parts and expertise to adequately troubleshoot and repair normal operational and maintenance failures, having known to exist. Additional technical expertise will be available to the onsite technician via telephone or other electronic means.

A twenty-four (24) hour troubleshooting hotline will be available to LMHC service personnel for assistance in diagnosing onsite problems in a timely manner.

These services will be provided to LMHC at a price of:

Spare Parts	\$
Technician Services	\$
Troubleshooting Hotline	\$
Subtotal	
Additional year Escalation \$	
Total	\$ _____

MEMORANDUM OF UNDERSTANDING  
W-320 C-106 WASTE RETRIEVABLE PROJECT  
SPARE PARTS REQUIREMENTS

This Memorandum of Understanding between Lockheed Martin Hanford Corporation (LMHC) Richland, Washington, and R. J. Electronics, Salem, Oregon, is for the purpose of ensuring spare parts for the in-tank imaging system provided to the project are available and can be provided to the buyer for the expected life of the project.

The seller, R. J. Electronics, will ensure that spare parts (see Attachment 1) are available to the project for a period of three (3) years from the date of this agreement. The seller will ensure that these spares will be provided, F.O.B. Richland, Washington, on or before eight (8) weeks from receipt of request from the buyer.

Spare parts will be provided as described above and within the terms, conditions and price(s) reached through agreement of the parties at the time of this agreement.

Seller shall provide to Buyer a list of recommended spare parts considering the expected life of the project system or equipment, to be maintained. The Seller shall propose parts maintained by the Buyer at the Buyer's facility and secondly by Seller at Seller's facility. Seller shall specify whether parts are normal stock items or specific to this request. If normal stock items, seller shall specify their planned duration for maintaining these spares.

Seller shall specify the maximum delivery time of each recommended spare. Seller shall warrant all spare parts to be "As New" throughout the duration of this agreement. Spare parts maintained at Seller's facility will not be the financial responsibility of the buyer until such time as they are required by the buyer. Seller shall propose fee to Buyer for storage and maintenance of such items, if proposed parts are other than normal stock items. Seller shall warrant that spare parts for this item will be available for purchase from the manufacturer for a period of \_\_\_ years from initial purchase.

## WARRANTY OF STORED MATERIALS

Seller warrants that all equipment and materials shall conform with Contract specifications, drawings, and other descriptions and will be of merchantable quality, fit and sufficient for the purposes for which they are intended as evidenced in the Contract. Warranty shall begin upon Buyer's acceptance and extend for a period of one year beyond installation and start-up of equipment/materials. Seller shall provide to Buyer a step-by-step preventive maintenance schedule for Buyer's use during long-term storage of equipment to maintain equipment in warrantable condition. A maintenance schedule shall be contained in a weatherproof package visibly affixed to the equipment and labeled "STORAGE MAINTENANCE SCHEDULE." Buyer's failure to follow maintenance schedule shall cause manufacturer's warranty to be null and void following (Normal Warranty period) the first year of Buyer's initial acceptance of equipment.

If any nonconformity is discovered within the warranty period, Seller shall promptly repair or replace such items. Transportation of replacement items, return of nonconforming items and repeat performance of services shall be at Seller's expense. If repair, replacement or reperformance of services is not timely, Buyer may elect to return the nonconforming items, repair, replace and/or reprocurse the item or service at Seller's expense (may be costly or hard to negotiate). This warranty shall restart upon Buyer's acceptance of the repair, replacement or reperformance.

## Appendix A

cc:mail Message  
L. T. Pedersen to W. H. Hays  
2/6/98

## Spare Parts W-320 In-tank Imaging System

The camera vendor has provided a list of recommended spares in his O&M manual. I believe I sent you a copy of that list last year. Of the items on that list, I believe the most likely to be needed is the replacement lamps. I gather that you have spoken with the vendor and his input is that these lamps (and other parts on his list) could be supplied on an as-needed basis with no extended lead time.

Modifications to the camera system by HiLine Engineering included modifications to the existing "camera cooling gas" flowpath to utilize it for a purge/pressurization source, addition of a pressure switch to the pan-and-tilt housing, addition of 2 relays to the master control unit, and addition of a HiLine Engineering Hazardous Location Power Controller (HLPC) which was modified to mount this item in a NEMA 4X enclosure. Signal from the pressure switch and relays to the HLPC was accomplished by utilization of unused conductors in three of the camera vendors cables. HiLine also provided two cables, one to switch camera system power from the HLPC and one to provide signal path for the pressure switch from the Local Interface unit to the HLPC.

I spoke with Mike Gimera this morning and he indicated that they maintain an on-the-shelf inventory of all HLPC components deemed likely spare part items. These include lamps, fuses, and relays. He also indicated that they could obtain or manufacture any other components used for the C-106 camera modifications in a 1-2 week time frame. I find that satisfactory, and do not believe it necessary to maintain an inventory of spare parts for the HiLine equipment.

Tom Pedersen



## Appendix B

cc:mail Message  
 Kenneth J. Zubka to William H. Hays  
 January 5, 1998

## ENRAF Spares

John Huber said you wanted a list of all the ENRAF (level gauge related) material in 200W TWRS (SST) possession. All material located in 2715WA except where noted:

21 ea	Level Gauge, ENRAF NONIUS 854 ATG, Model UEAZ854M21F28, with DRUM (located in convenient storage)
1 ea	Level Gauge, ENRAF NONIUS 854 ATG, Model UEAZ854M21F28, without DRUM (located in convenient storage)
25 ea**	Displacer
21 ea	Snap
10 ea	Processing Unit, 4-20MA input, Hart-854 ATG, ENRAF 0854-644 HPU, board w/digital signal based on Hart protocol
12 ea	Chip, NOVRAM expansion for 854 ATG XPU board, ENRAF 0854-636
1 ea	MPU Card, ENRAF 0894.648
1 ea	Circuit board, printed, ENRAF 854.635
1 ea	Display assembly. ENRAF 854.621
1 lot	Radar level gauge, ENRAF NONIUS series 872, 3 pieces: 1 gauge, 1 stand, 1 controller (located in convenient storage)

\*\*NOTE: Displacers (2 ea) for the W-320 densitometer are on order (3/1/98) and will be inventoried when received.


## Appendix C

*ref* HNF-1759, Rev. 1  
 Spare Parts List

  
 HNF-1759  
 Rev. 1

SPARE PARTS FOR W030 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
	MICON	8508-0079	GPLI-32-PC Board	1	No	GS	1	0
		8506-0053	GPLI-32 Power Supply	1	No	GS	1	0
		OmniPro 1400, Newark P/N 92F6671	Uninterrupted Power Supply	1	No	GS	1	0
		8506-0085	U-32 Remote Controller U-32- R:A1B0C1	1	No	GS	4	2
		8506-0042	Analog Input Module RCM-32- D:A1B0C0	2	No	GS	4	2
		8506-0045	Discrete I/O Module RCM-32- D:A1B0C0	2	No	GS	4	2
		8506-0046	Discrete I/O Module-Contact RCM-32-D:A1B0C0	1	No	GS	4	5
		8506-0084	RTD Input Module RCM-32- F:A1B0C0	1	No	GS	2	1
		8506-0051	U-32 Power Supply 120 VAC/28 VDC	1	No	GS	2	1
	Micon Littlefuse	4302-0108 21806.3	6.3A Fuse; Slo Ble		Yes	GS	12	6
		2000-0136	Interface (LOI)	1	No	GS	2	1
		4000-0133	LOI Power Supply	1	No	GS	2	1
		100477-001	Fan, IIS VAC, Carvel	2	No	GS	1	0
AY101-W-F-1	Lakos TC-0300-CRS	TC300-CRS-168-OR	TC-300 Bag Filter	4	No	GS	4	2
AY101-W-F-1	Lakos TC-0300-CRS	TC300-CRS-168-OR	TC-300 Gasket	4	No	GS	4	2
AY102-EW-T-1 AZ101-EW-T-1 AZ102-EW-T-1	Baltimore F1-742-K	240076	2 each, end bearings	2	No	GS	4	2
AY102-EW-T-1 AZ101-EW-T-1 AZ102-EW-T-1	Baltimore F1-742-K	240008	1 intermediate bearing	1	No	GS	2	1
AY101-EW-T-1	Baltimore F1-342	240079	2 each, end bearings	2	No	GS	4	2
AY101-EW-T-1		B136	3 each, drive belt	3	No	GS	4	2


  
**HNF-1759**  
 Rev. 1


SPARE PARTS FOR W030 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
<p><b>NOTE:</b> For parts to the Lakos TC-package please contact the following local Lakos rep:            Company: A.D. Field (Seattle, Wa)            Phone: 206-824-2183 (talk to Archie)</p> <p>For parts to the Baltimore cooling tower contact:            Company: G.J. Campbell &amp; Assoc.            Phone: 206-722-1111 (talk to Karen)</p>								
(RE-AZK1-1) and (RE-AZ702K3-1)  Parts listed here apply to one of two units only. These parts can be bought from Eberline.	Gamma Monitor Spare Parts List	COHD73(2)	1. AC fuse drawer, for power entry module. 2. AC power entry/fuse holder assembly. 3. 47mm filter paper 4. Power supply, 12V, 4.2 A 5. Display module 6. AMS-4 front panel board 7. AMS-4 analog board, standard 8. Key pad 9. AMS-4 Bar graph board	1	No	SC	2	1
		COPR13(8)		1	No	SC	2	1
		FFP10(9)		100	No	SC	100	50
		FUSB12(1)		1	No	SC	2	1
		MEVE118(9)		1	No	SC	2	1
		OPD52(6)		1	No	SC	2	1
		SP29A(0)		1	No	SC	2	1
		SP29A(4)		1	No	SC	2	1
		SWM43(9)		1	No	SC	2	1
YP11553000(3)	1	No	SC	2	1			
AZ702K3-11-1 AZ702K3-11-2	AMS-4	Gast 0523-101Q-GS03DX Gast(616) 926-8171	Vacuum Pump	1 ea	No	SC	1	0
AZK1-11-1 AZK1-11-2	AMS-4	Gast 1023-101Q Gast (616) 926-8171	Vacuum Pump	1 ea	No	SC	1	0
(RE-AZ702K3-1)  Parts listed here apply to one of two units only.  These parts can be bought from Eberline.	"In-line sampling head spare parts list"	SP28E(6)	1. Modular detector board, beta/alpha detector	1	No	SC	2	1
		SP28F(4)	2. Modular detector board, gamma background detector	1	No	SC	2	1
		SWM122(3)	3. Switch (Filter door closed)	1	No	SC	2	1
		TUPR2(7)	4. 1" dia sealed gas-proportional detector flow sensor board	2	No	SC	2	1
		YP11551000(7)		1	No	SC	2	1
		SWM122(3)		1				
TUPR2(7)		2						
YP11551000(7)		1						

ref. HNF-1759  
Rev. 1

## SPARE PARTS FOR W030 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
(RE-AZK1-1) and (RE-AZ702K3-1)  Miscellaneous spare parts more likely to be needed.  These parts can be bought from Eberline.	AMS-4 Beta Gamma Monitor	ORBN2007(8)	1. 0.145" ID x 0.070" wide, Buna N or Neoprene	12	No	GS	12	6
		ORBN2011(12)	2. 0.301" ID x 0.070" wide Buna N or Neoprene	1	No	GS	12	6
		ORBN2013(0)	3. 0.425" ID x 0.070" wide Buna N or Neoprene	1	No	GS	12	6
		ORBN2106(8)	4. 0.174" ID x 0.103" wide, Buna N or Neoprene	1	No	GS	12	6
		ORBN2123(7)	5. 1.174" ID x 0.103" wide, Buna N or Neoprene	1	No	GS	12	6
		ORBN2131(7)	6. 1.674" ID x 0.103" wide, Buna N or Neoprene	1	No	GS	12	6
		ORBN2310(0)	7. 0.475" ID x 0.210" wide, Buna N or Neoprene	1	No	GS	12	6
		ORBN2330(6)	8. 2.100" ID x 0.210" wide, Buna N or Neoprene	1	No	GS	12	6
		ORBN2030(2)	9. 1.614" ID x 0.070" wide, Silicone	1	No	GS	12	6
		ORBN2113(3)	10. 0.549" ID x 0.103" wide, Teflon	12	No	GS	12	6
----	----	ZP10567805	Gasket, communications connector	12	No	GS	1	0
----	----	ZP11410086	Gasket, sonalert thorn	1	No	GS	1	0
----	----	ZP11479092	Gasket, bulkhead connector	1	No	GS	1	0
----	----	ZP22562095	Gasket, detector block halves seal	1	No	GS	1	0
----	----	ZP11479096	Gasket, door hinge seal	1	No	GS	1	0
----	----	ZP11562103	Gasket, grommet plate	1	No	GS	1	0
----	----	MMRU44	Grommet, 1-1/4" i.d., rubber	12	No	GS	1	0
----	----	TUPR4	1" dia. sealed gas-proportional detectors	2	No	SC	2	1
AZ-K1-Q-1	High Efficiency Mist Eliminator	2000149	High Efficiency Mist Eliminator Fibered (Polyester Filter) Replace approx. 3 years CECO Filters Inc.	1	Yes	GS	2	1
AZ-RW-F-1	Plenty Duplex Strainer size 20A	Rems # 11, 12, 14	O-Ring Seals Liberty Equip & Supply 586-1166	1 1 1	No	GS	1	0

ref  HNF-1759  
Rev. 1

## SPARE PARTS FOR W30 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
AZ-RW-BP-1 AZ-RW-BP-2	Waste Backflow Preventer	*No 009-1" RP2 175 PSI *No 009 M1QT 175 PSI	Repair Kit Repair Kit	1 1	No	GS	2	1
PCV-AZRW-1	Pressure Regulator	Watts Model M2/M3 Range 25/75 #223	Pressure Regulator	1	No	GS	1	0
EV-AY101EWT-1A2 EV-AY102EWT-1A2 EV-AZ101EWT-1A2 EV-AZ102EWT-1A2	Tower AY101-EW-T-1 Tower AY102-EW-T-1 Tower AZ101-EW-T-1 Tower AZ102-EW-T-1	Woracaster, Series 30, Electric Actuator 2", w/ MK 539	Water Dump Motorized Valve	1	Yes	GS	2	1
FE,FT,-AY101EWR-1 FE,FT,-AY102EWR-1 FE,FT,-AZ101EWR-1 FE,FT,-AZ102EWR-1	EWR Header Flow Element, Xmtr. & Indicator	Fisher & Porter (215) 674-6000 Warminster, PA *Model 10LV3201AEBB1BB V3 Vortex Primary 3" *30 ft Interconnecting cable PM 173J102U13 *Model 50LV3212B1JB VE Vortex Secondary	One spare set for all four. Model 10L is flowmeter, Model 50L is signal conditioner.	1  1	No  No	GS  GS	2  2	1  1
FT-AZPC-1	Condensate Xfr to AZ-151 Flow Smit	Micromotion Elite	RFT 9739	1	No	GS	1	0
MK-AY101K1-1 MK-AY102K1-1 MK-AZ101K1-1 MK-AZ102K1-1 ZT-AY101K1-1 ZT-AY102K1-1 ZT-AZ101K1-1 ZT-AZ102K1-1	Air Inlet Station Pressure Control	Centura CE  ESP2 Controller w/optional 4-20mA Transmitter DeZURICK BGS Valve	*CENTURA Electric Actuator *CENTURA ESP2 controller w/optional 4-20mA Transmitter DeZURICK BGS Valve  AUTOMAX INC (513) 469-7800	1 ea  1 ea  1 ea	No  No  No	SC  SC  SC	2  2  2	1  1  1

*WLF*  
  
 HNF-1759  
 Rev. 1

SPARE PARTS FOR MDD3 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Collet Size	SC	HR	HR	
					Verble		High	Low	
AZ702C1-1A Outlet Damper, Actuator & MFC-AZ702C1-1		*Nort Valve -O-Ring Seal1000 Seat, dia: or Dia: C- Ring	*INDLAC Controls Inc. Order by Model # & Seal # (old unit)	1 ea	No	QS	2	1	
MFC-AZ702C04-1 MFC-AZ702C04-1 ZF-AZ702C04-2 ZF-AZ702C04-2	AZ702C1-1A Filter Bank Outlet	-O-Ring Shark Seals -SHMT -*MFC 100101 Controler	INDLAC Controls (200) 586-9443	1 ea	No	QS	4	2	
		*110mmxal B-300 Valve		4 ea	Yes	QS	2	1	
AZ61-51A AZ61-58	Primary Vent Cap Air Inlet American Fan	KC95 (1 1/16")	Bearings	1 ea	No	QS	2	1	
Part#18 11, 31, 41	Cathodic Protection System	QA 78055	Galvanic Material Good - AM Expirite line 90 89534 1-970-484-2080	50 ft.	No	QS	1	0	
	*Test Equipment	CA17 WFA005	*Juni Generator, 60 AMP/3 M. Circuit Breaker 341 Mtagee King Ave. Ripwood, NJ 07458 (201) 728-2800	3	No	QS	2	1	
	*Test Equipment	Type No: 1A-2 81211	*Transformer 480/120V ACME Electric Corp., Transformer Div. 189755, 11 FAX 810-738-0024	3	No	QS	1	0	
* Required for testing and acceptance of facilities. * 1 ea. from Order# RT-30, 373-5547									
Treatment Database	Leak Detection System	D-ANB001B	Haer/Hoffman Nowe	1	No	QS	1	0	
		D-TRMA	Thermostat Hoffman Nowe	1	No	QS	1	0	
ATS-9	Auto-Transfer Switch		Parts Vendor Curb/Henner & Washington Products 8300 Gray Blvd, Kennewick, WA 99338 (509) 325-1122 FAX: 735-8450	No	No	QS	2	1	

  
 HNF-1759  
 Rev. 1

## SPARE PARTS FOR W030 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
		CAT No. ATHSFDA30100XJU	Cutler-Hammer Auto-Matic Transfer Switch Beaver, PA	1	No	GS	2	1
		7820C98001	Time Delay Card	1	No	GS	2	1
		7820C99001	Voltage/Frequency Sensing Card	1	No	GS	2	1
		1228C77002	Driver Card	1	No	GS	2	1
VFC-#1 and VFC-#2	Adjustable Freq. Control Data Master AF5000 +FastrAC Model # AF-502007-480 Software code: 81-104002-001 HP = 20 Constant Torque	AF-502007-480	Output Transistor	1	No	SC	2	1
			Base Driver board	1	No	SC	2	1
			Power Supply Board	1	No	SC	2	1
			Logic Board	1	No	SC	2	1
			Mov Assembly	1	No	SC	2	1
			Bridge Rectifier Unit	1	No	SC		
*NOTE: Parts do not have separate part numbers, supplier uses, model #, software code and description for identification.								
VSD-1 and VSD-2	Variable Speed Driver Controller	15-00330-0558	Mov Assembly/015-005020-0101	1	No	SC	1	0
		15-000675-0119	AF5000+ Logic Assembly REV.M/J/015-5020-0101	1	No	SC	1	0
		15-000884-0010	AF5000+ Load Interface/015-5020-0101	1	No	SC	1	0
		15-000867-0011	AF5000+ 25HP VT Base Driver/015-005020-0101	1	No	SC	1	0
		15-000871-0006	AF5000+ 25/50HP Power Supply/015-005020-0101	1	No	SC	1	0
		23-000188-0242	Replaced by 8015-289A/015-005020-0101	2	No	SC	1	0
		53-000501-0001	Contact, Size "D", 3 Pole, 18A/015-005020-0101	1	No	SC	1	0
		53-000516-0001	Auxiliary Interlock Contact, 1 N.O., 1 N.C./015-005020-0101	1	No	SC	1	0
		53-000448-2102	XFMR Dual Power DRLNGT, 1KV 50A/015-005020-0101	1	No	SC	1	0

ref. HNF-1759  
Rev. 1

## SPARE PARTS FOR W30 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
		53-00646-0162	3 Phase Full Wave Bridge, 125A 1600 Volt/015-005920-0101	1	No	SC	1	0
PIT-AY101K1-1 PIT-AY102K1-1 PIT-AZ101K1-1 PIT-AZ102K1-1	Fischer Porter	50DP4100A3E22B2 MI	Differential Pressure Transmitter	2	No	GS	2	1
PIT-AY101K1-2 PIT-AY102K1-2 PIT-AZ101K1-2 PIT-AZ102K1-2	Fischer Porter	50DP4100A4E22B2 MI	Differential Pressure Transmitter	2	No	GS	2	1
AY-101-K4-S-1 AY-102-K4-S-1 AZ-101-K4-S-1 AZ-102-K4-S-1	Recirculation Vent Cooling	Assembly includes fan, motor, stand, etc.	Vent fan assembly, as per Kaiser Engineering P.O. KQA-2X4-6788 Fan Engineering P.O. #94-2500 Fan Engineering Drawing #94-2500-0 REV 0 Fan Engineering Co. Inc. 3430 W. Carriage Dr. Santa Ana, CA 92704 (714) 957-5900	1	No	GS	2	1
AZ-K1-S-1A (M) AZ-K1-S-1B (M)	Exhaust System Fan Motor		20 HP Motor Westinghouse Direct. *OPTM* SE LR 96872 CAT# S02004 TE	2	No	SC	2	1
		6309 ZZ	Drive brg.	2	Yes	SC	2	1
		6307 ZZ	Opp end brg.	2	Yes	SC	2	1
		7800092	Gasket, 30" OD X 1/2" THK	1	Yes	GS	2	1
		7800093	Gasket, 35" OD X 1/2" THK	1	Yes	GS	2	1
PDE-AZ702K2-1		Foxboro 823DP-D	DP Transmitter CJVR-6050A-2, -5 to - IN RANGE	1	No	GS	4	2
PDE-AZ702K2-1		Foxboro 823DP-D	Carrier Demodulator CJCD-6054-1	1	No	SC	4	2
MV-AZK1-2 MV-AZK1-1	MV-702AZK3-1 MV-702AZK3-2	Neotronic, BV703 SS/BSM2010 (PCV-2,3)	Sample Flow Control Valves with Actuator (1/2" 3-Way)	1	No	SC	2	1
MK-AZK1-3		Gast, AA 840A (VRV-1,2)	Vacuum Relief Valve 5 - 27" Hg	1	No	SC	2	1
RIAS-AZK1-1 RIAS-AZ702K3-1		IDEC, RH4BU-120VAC (K-1,2)	Alarm Relays	1	No	SC	2	1



ref. HNF-1759  
Rev. 1

## SPARE PARTS FOR W30 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
		SP23B(4)	Eberline AMS-4 analog board	2 ea	Yes	SC	1	0
		TURR4	Eberline AMS-4 Beta Gamma monitor	2 ea	Yes	SC	1	0
		5VX040	Drive belt, American Fan	4 ea	Yes	SC	4	2
		KC55	Bearing, American Fan, (1 1/8" ID)	4 ea	Yes	SC	4	2
		FHC0	ITT Barton DP transmitters	2 ea	No	SS	4	2
		6305-ZZ	Drive Bearing	2 ea	Yes	GS	4	2
		6307-ZZ	Opposite end bearing	2 ea	Yes	GS	4	2
		9309V06CSVAG	Relief Valve, Anderson Greenwood, 6" Inlet X 8" outlet, set at 6" water vacuum, pt. #9309V06CSVAG	1 ea	Yes	SC	2	1
		#9245464	6" Butterfly valve, wafer style, GS DeZurick BGS	1 ea	Yes	SC	1	0
		0-007-C-03-03-NU-11-23-0G-FUS	Filters, HEPA 24"x24"x11.5" Flanders	4 ea	Yes	GS	4	2
		0-007-C-03-03-NU-12-23-0G-FUS	Filters, HEPA 24"x24"x11.5" Flanders (Bag vent system)	2 ea	Yes	GS	2	1
		0-007-C-03-03-NU-11-23-0G-FUS	Filters, HEPA 12"x24"x11.5" Flanders (inlet station HEPA's)	4 ea	Yes	GS	4	2
		0-007-C-03-05-NU-51-23-0G-FUS	Filters, HEPA 24"x24"x11.5" Flanders (AZ702-K2-4-1,2)	2 ea	Yes	GS	4	2
			Pre-filters 12"x24"x2", UL Class 1, fiberglass media, Nonflammable frame, Avg. Eff 25-30% ASHRAE 52-68, & Filter surface area of a least 8.5 sq ft. (inlet station pre filters)	4 ea	Yes	GS	4	2
			Pre-filters 24"x24"x2", UL Class 1, fiberglass media, Nonflammable frame, Avg. Eff 25-30% ASHRAE 52-68, pleated (Building vent pre filter)	2 ea	Yes	GS	4	2

ref. HNF-1759  
Rev. 1

10

## SPARE PARTS FOR W330 PROJECT

Tag #	Component Description	Part #	Part Description	QTY	Critical Spare Yes/No	SC	IAR High	IAR Low
		C177ATA	Motor Actuator, Autotrax Inc., Centrus CE, model C177ATA, 700 in-lb torque, 115 volts, 60 hz, 0.6 amps, duty cycle 75, no load 17 sec/90deg	1 ea	No	GS	2	1
		CSC-16-62-NS	Filter, HEGA, 24"x24"x16" Fluoride	1 ea	Yes	GS	2	1
		CM1-15955X139	Cover seal, Linitorque piece # 0032		Yes	SC	2	1
		17300-1600	Mod 100 assembly, Linitorque, piece no. 0120		Yes	SC	8	4
		17300-1050	Operating motor, Linitorque		Yes	SC	1	0

## Appendix D

Hanford Spare Parts Catalog  
Stock Class/Caption 6111

SP-001		HANFORD INVENTORY PROGRAM SPARE PARTS CATALOG				DATE 12/27/97 PAGE 237			
STOCK CLASS/CAPTION 6111									
YCK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION			IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPF/CVI NO		
INFORMATION ONLY. (GAST P/N 0822-V103)									
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5604-3500	4	KIT; SERVICE;		EA	46.72	50	25	2048	NUM
	4	THIS KIT IS FOR A GAST VACUUM PUMP MODELS 0822-V103, 1022-V103. (GAST P/N K223)							
6111-5605		PUMP; VACUUM, FOR E/W SAMPLE GALLERY EXHAUST, MFG: GAST, VENDOR: AIR- OIL PRODUCTS, CORP., EP; 202-A.		90522	ZINSLI, LLOYD C		2005		
6111-5610		PUMP; PUMP, VACUUM, GAST MFG. COMPANY. E.O. PC. 242-S.		071880	KISON, PAUL F		2412		
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5610-5650	4	PUMP; SAMPLE; (FOR STANDARD HYDROGEN MONITORING EAST & WEST) MFG: PARKER-HANNIFIN P/N: MB-302-XP		EA	500.00	1	0	2412	NUM
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5610-5655	4	PUMP; VACUUM; 3/4 HP, 1725 RPM CONTINUOUS DUTY, (GAST MODEL 1022-V103-6278, TYPICAL S/N 72-411815)		EA	602.32	1	0	2412	NUM
6111-5612		PUMP; VACUUM, OILESS, ROTARY VANE; 3/4 HP; 460 V, 3 PHASE, 10 SCFM; GAST; 1023-1010-6278 DIRECT DRIVE, INTERNAL FILTER, FOR PUREX PR STACK MONITORING SYSTEM.			ZINSLI, LLOYD C		2005		
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5612-1700	3	FILTER; SUCTION/INTAKE; FOR GAST VACUUM PUMPA 0823-V2 AND 1023-V2 SERIES (LUBRICATED). (GAST P/N AB599) IL-30; QA CLAUSES CO2, E14, E22, E34.		EA	29.10	2	1	2005	NUM
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5612-1705	3	FILTER; SUCTION PORT (INLET); FOR GAST VACUUM PUMP MODEL 1023-1010 AND 823-1010. (GAST P/N AK524) IL-30, QA CLAUSE CO2, E22, E14, E34		EA	79	10	4	2005	NUM
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS
6111-5612-5650	Q	PUMP; VACUUM, OILESS, ROTARY VANE; 3/4 HP DIRECT DRIVE, INTERNAL FILTER. Q3, QA CLAUSES CO2, E14, E22, E34		EA	489.06	1	0	2005	NUM
6111-5615		PUMP; OILESS VACUUM; 3/4 HP; 1022-V-103-6272X; (TYPICAL S/N: 72-411815); 115 VAC, 60HZ, SINGLE PH, 10CFM; GAST;		77142	WARLQUIST, ROGER A		2415		

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 493

STOCK CLASS/CAPTION 6117

STOCK CLASS/CAPTION	STOCK NUMBER	IL/SC	PLANT EQUIPMENT DESCRIPTION	IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPF/CVI NO	SYS NUM	
	6117-4010-4405	4	MFG: BOSTON GEAR MOTOR; RAT 10; BOSTON GEAR F315-50-H1 ASSEMBLY TYPE B POSITION N3, 120V 1/2 HP BOSTON FRAME J56C PART B 124514-20 L 1 PHASE TYPE CS 1/2 HP FORM KSD AMP 7.2.3.7.6 VOLT 115/230 CODE 1 RPM 1725 SERIAL F 12 SFEC-53563 (MFG: CENTRUY P/M 8-135-799-20)	UOI EA	UNIT PRICE 294.90	MAXIMUM 1	MINIMUM 0	BLDG CODE 2232	SYS NUM
	6117-4020		MOTOR; 16 INCH VAC EVAP. COOLER, MOTOR, RECIRCULATING PUMP, L/3 HP, 460 V, EP: 234-5, BPF: CV120619, MFG; CENTURY, S/N: U2, ADD. INFO: MFG. PART NO. 8-135-799-20, FRAME 856J, HERTZ 60/SC TIME CONT., RAM 3450/2850, NEMA CODE P	91340	DICK, JOHNNY D		2330		
	6117-4020-4411	4	MOTOR; RECIRCULATING PUMP; L/3 HP, 460 V, EP: 234-5, BPF: CV120619, KFG: CENTRUY S/N: U2, ADD. INFO: MFG. PART. NO. 8-135-799-20, FRAME 856J, HERTZ 60/SC TIME CONT., RAM 3450/2850, NEMA CODE P	UOI EA	UNIT PRICE 88.90	MAXIMUM 1	MINIMUM 0	BLDG CODE 2330	SYS NUM E20
	6117-4052		MOTOR; MOTOR; SIZE: 1/2 HP; VOLT: 208/230/460; EP: N-AHU-1, M-AH7-2; MFG: CENTURY; TYPE: SC; MODEL: H275; DWG: H-2- 95511.	86998	THOMAS, RICHARD J		2330		
	6117-4052-4403	2	MOTOR; MOTOR; 1/2 HP, 1725 RPM, 208-230/460VAC, 3 PHASE 60 CYCLE, TOTATION: CCW LOOKING AT OUTPUT SHAFT FRAME SIZE BA56, TYPE SC, CODE L, DP ENCLOSURE CENTURY NO. 8-151197-01, CAT. NO. H275 OR EQUAL.	UOI EA	UNIT PRICE 131.08	MAXIMUM 1	MINIMUM 0	BLDG CODE 2330	SYS NUM E95
	6117-4055		MOTOR; SC ELECTRIC; 15 HP; CENTURY; CATALOG NO. R416 CODE G, 60 HZ, 3 PH, 1750 RPM, 40/20A, 254-T FRAME OPEN DRIP PROOF, 40 DEG C AMB TEMP, 1.15 SERVICE FACTOR, CLASS B INSULATION, NEMA DESIGN B, 230/460V, TYPE SC (CENTURY CATALOG NO. Q416)	91115	DODD, RYAN A		2018		
	6117-4055-4400	3	MOTOR; ELECTRICAL; 15 HP, 1800 RPM, 254T FRAME 3 PHASE, 230/460 VAC, 60 HZ, 1-5/8 IN. SHAFT, SEALED BEARINGS, TEFC (TOTALLY ENCLOSED FAN COOLED), WITH OPTIONAL ASSEMBLY POSITION F-2, U.S. ELECTRICAL	UOI EA	UNIT PRICE 499.91	MAXIMUM 1	MINIMUM 0	BLDG CODE 2048	SYS NUM K1

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOG

DATE 12/27/97  
PAGE 494

STOCK CLASS/CAPTION 6117

STOCK NUMBER BASIC

PLANT EQUIPMENT DESCRIPTION

IAR NO

EQUIPMENT COG ENGINEER

BLDG CODE

BPF/CVI  
NO

MOTORS E-407, MOTOR IS EXACT REPLACEMENT FOR C-105&106, 244CR VAULT 1&2, 241AN K2-S-2, 241AY K1-3-2 AND K2-3-2 EXHAUSTER FAN MOTORS, NO SUBSTITUTE. SSC/AD: N/A CLAUSE: N/A

6117-4056

MOTOR; EP. NO.: 244-AR; CVI: 21846; MFG: CENTURY; MODEL: 9-390022-60; ADD INFO: SPARE PARTS FOR 244-AR VAULT, PROJECTS B-550, CLOSED LOOP COOLING SYSTEM, AND B-551, HVAC UPGRADE.

102702

STOCK NUMBER  
6117-4056-0460

IL/SC  
3

PART DESCRIPTION  
BELT;  
BELT, MATCHED SET, P/N A-66-OPTBELT-VB S-C PLUS

UOI  
SET

UNIT PRICE  
15.00

MAXIMUM  
2

MINIMUM  
2

BLDG CODE  
2232

SYS

NUM

STOCK NUMBER  
6117-4056-4415

IL/SC  
4

PART DESCRIPTION  
MOTOR; ELECTRIC; 20 HP, 60 HZ, 1745 RPM FRAME 2551 TYPE SC, CODE 6, 3PH, 230/460V, AMP 49.21/24.6, CONTINUOUS DUTY MAX TEMP 40DC SF 1.15, INSULATION CLASS F, NEMA DESIGN B (FORM LMA), SERIAL CODE B0 BEARINGS 309 DRIVE END 207 OPPOSITE END, CATALOG NO. E448, NEMA NOMINAL EFFICIENCY 89.5, POWER FACTOR 88.5 CLOSURE EF. FOR 244AR VAULT, PROJECTS B-550, CLOSED LOOP COOLING SYSTEM.

UOI  
EA

UNIT PRICE  
726.58

MAXIMUM  
1

MINIMUM  
0

BLDG CODE  
2232

SYS

NUM

6117-4058

MOTOR;  
MOTOR, ELECTRIC; MFG: MALLORY SUPPLY CO. ADD. INFO: FOR EXHAUSTER AT 241AM & 241AN.

90194

NICHOLSON, ROBERT S

2047

STOCK NUMBER  
6117-4058-4408

IL/SC  
4

PART DESCRIPTION  
MOTOR; ELECTRIC; 10 HP, 1740 RPM H2-60 FRAME 215T, (230/460 V, 3 PHASE DAYTON MODEL 3N341)

UOI  
EA

UNIT PRICE  
385.00

MAXIMUM  
1

MINIMUM  
0

BLDG CODE  
2047

SYS

NUM

6117-4100

CONTROLLER; VARIABLE SPEED; MACHINE DRIVE CO.;  
CONTROLLER; VARIABLE SPEED DRIVE; MACHINE DRIVE CO.

HARTY, WILLIAM M

2051

VSD-1

STOCK NUMBER  
6117-4100-0900

IL/SC  
2

PART DESCRIPTION  
CONTACTOR; 3 POLE;  
CONTACTOR; 3 POLE;

UOI  
EA

UNIT PRICE

MAXIMUM  
1

MINIMUM  
0

BLDG CODE  
2051

SYS

NUM

STOCK NUMBER  
6117-4100-0901

IL/SC  
2

PART DESCRIPTION  
INTERLOCK; AUXILIARY;  
INTERLOCK; AUXILIARY; CONTACT;  
MACHINE DRIVE CO NUMBER 53-000516-0001

UOI  
EA

UNIT PRICE

MAXIMUM  
2

MINIMUM  
1

BLDG CODE  
2051

SYS

NUM

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 529

STOCK CLASS/CAPTION 6117

JCK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION	IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPF/CVI NO		
6117-7800	CONTROL; TRANSFORMER; 100 VA, 60 HZ, 480 PRI-VOLTS, 120 SEC. VOLTS; H-2-27968; SQUARE D COMPANY; CLASS 9070, TYPE E02 (RATING: 100 VA, 60 HZ, PRI-VOLTS 480, SEC. VOLTS 120; MFG: SQUARE D COMPANY) (EPH: EF-1-1, EF-1-2; CVI: 20419; DWG: H-2-27968)	87687	DICK, JOHNNY D	2338	20419		
STOCK NUMBER 6117-7800-7650	IL/SC 4 PART DESCRIPTION TRANSFORMER; CONTROL; TRANSFORMER CONTROL, CLASS 9070, TYPE E02, 100 VA, 60 HZ, PRI-VOLTS 480, SEC. VOLTS 120. MFG: SQUARE D CO. EP. NO 2736-AZ CVI.20419, H2-27968	UOI EA	UNIT PRICE 25.57	MAXIMUM 2	MINIMUM 0	BLDG CODE 2338	SYS NUM B25
6117-7810	TRANSFORMER, DRY TYPE, POTENTIAL INSIDE, 2400-TO-120 VOLT, 60 CY., COMPENSATED FOR 40 VA., ACCURACY RATING 150 VA, THERMAL RATING 500 VA, USE. 284E MFG-WESTINGHOUSE ELECTRIC CORP.	018814					
STOCK NUMBER 6117-7810-2505	IL/SC 4 PART DESCRIPTION HOLDER FUSE W C; HOLDER, FUSE, W/COVER, 2500 VOLT, SOLD IN PAIR, 1 EA. NO. 1317268 AND 1 EA. NO. 1317269.	UOI PR	UNIT PRICE 10.48	MAXIMUM 1	MINIMUM 0	BLDG CODE 2395	SYS NUM
6117-7820	SWITCH; POSITION; H-2-98999; ACCORD; SL1-1 15A SPDT. (ACCORD P/N SL1-1)	123892	WAHLOUIST, ROGER A	2415	22069/79, 78		
STOCK NUMBER 6117-7820-7300	IL/SC 3 PART DESCRIPTION SWITCH; POSITION; 15 AMP SPDT. (ACCORD P/N XL11000) CLAUSE C02, E14, & E22	UOI EA	UNIT PRICE 210.70	MAXIMUM 1	MINIMUM 0	BLDG CODE 2415	SYS NUM
6117-7828	SWITCH; POSITION; 15A; ACCORD XL13000; H-2-98992; ACCORD; XL13000 DPDT. USED ON FV-EA1-1. (DWG. H-2-98992, SPEC. NO. B534-CEM06/Y-106, BPF NO. 22069/70, EPH. FV-EA1-1, 242-A, ACCORD P/N XL13000)		WAHLOUIST, ROGER A	2415	22069/70		
STOCK NUMBER 6117-7828-7300	IL/SC 3 PART DESCRIPTION SWITCH; ASSEMBLY; 15A USED ON FV-EA1-1. (MODEL NO. XL13000, SPEC. NO. B534-CEM06/Y-106, DWG. H-2-98992, ACCORD P/N SXL53) QA CLAUSES: C02	UOI EA	UNIT PRICE 45.00	MAXIMUM 1	MINIMUM 0	BLDG CODE 2415	SYS NUM
6117-7830	SWITCH; SWITCH, TEMPERATURE; EP: 241-A; MFG: IONEX RESEARCH CORP.; ADD. INFO.: 4000 CFM EXHAUSTER, HE-84-267.	90118	DODD, RYAN A		2018		

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOG

DATE 12/27/97  
PAGE 592

STOCK CLASS/CAPTION 6118

STOCK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION	IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPFY/CI NO			
CORP. MODEL FV2-1-S-00) QA CLAUSES: CD2								
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-1179-1520	3	ENCODER; MAGNETO-RESISTIVE; DYNAPAR CORP. QUBE ROTOPULSER. USED FOR ST-PB2-1. (DWG. H-2-98989, SPEC. NO. B-534/P11, DYNAPAR CORP. MODEL 32-0360-124) QA CLAUSES: C02	EA	750.00	1	0	2415	
6118-1180		INSTRUMENT PARTS USE E.P. NO. 241-SY B.P.F. 20292, MFR-- AIR MONITOR CORP.	77192					
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-1180-1625	4	FAN-EVALUATOR; DIAMETER 8 INCHES 280 MIN. CFM, 1400 MAXIMUM CFM, MODEL C, STAINLESS STEEL.(MFG: AIR MONITOR CORP.)	EA	1505.00	1	0	2187	
6118-1182		DETECTOR; DIFFERENTIAL PRESSURE DETECTOR; H-2-83103; AIR MONITOR CORPORATION; REFER TO WORK ORDER; MODEL NO. 5000AZ, SERIAL NO. 3636; H-2-83103; SPECI. NO. C-028-C1; 13440 PG 8; DRAWING NO. H-2-83103 REFERS TO C-028-C1 Y-102					2216	
								OSTERLOH, JAMES D
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-1182-1180	4	DETECTOR; DIFFERENTIAL PRESSURE; STAINLSTEEL MEMBRANE; MODEL NO. VELTRON MODEL 5000 AZ; SPECI. NO. C-028-C1 SECTION 13440; RATING: 0-0.35 INCHES WATER GAUGE; 1 PSIG OVERRANGE S/O; INSTALLED COMPANENT SN 3636 (H-2-83103) REFER TO WORK ORDER #16228; EXACT COPY REQUIRED CLAUSES: 924 AD N/A	EA	1540.00	1	0	2216	
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-1182-1970	4	FUSE; CIRCUIT BOARD; RATING: 1.6 AMP; REFER TO WORK ORDER # 16228 FOR VELTRON MODEL 5000 AZ D/P CELL TERMINAL BOARD FUSE F1 (MFG. NO. AIR MONITOR CORPORATION P/N 206056) CLAUSES: 924 AD N/A	EA	1.00	5	1	2216	
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-1182-1972	4	FUSE; PICO; DOPED SILICON; REFER TO WORK ORDER # 16228 FOR VELTRON MODEL 5000AZ D/P CELL 15VDC POWER SUPPLY FUSE F1 ( AIR MONITOR CORPORATION P/N 205843) CLAUSES; 924 (1.0 AMP) AD N/A	EA	4.00	5	1	2216	

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 593

STOCK CLASS/CAPTION 6118

STOCK NUMBER		IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	BPF/CVI NO	SYS NUM
6118-1182-1974		4	FUSE; PICO; DOPED SILICON; REFER TO WORK ORDER #16228 FOR VELTRON MODEL 5000 AZ D/P CELL +/- 15 VDC POWER SUPPLY FUSE F1 (AIR MONITOR CORPORATION P/N 205036) CLAUSES; 924 ( 2.0 AMP) AD N/A	EA	7.00	5	1	2216		
6118-1182-1976		4	FUSE; PICO; DOPED SILICON; REFER TO WORK ORDER # 16228 FOR VELTRON MODEL 5000AZ D/P CC 1L +/- 15 VDC POWER SUPPLY FUSE F2 (AIR MONITOR CORPORATION; TOM CLAUSES: 924 ( 1/8 AMP) AD N/A	EA	4.00	5	1	2216		
6118-1182-7250		4	SUPPLY; POWER; REFER TO WORK ORDER # 16228 FOR VELTRON MODEL 5000 AZ ( AIR MONITOR CORPORATION; TOM P/N 208217) CLAUSES: 924 AD N/A (15VDC)	EA	179.00	1	1	2216		
6118-1183			INSTRUMENT; PARTS; VARIOUS; FOR: STACK AIR MONITOR SYSTEM (MFG: VARIOUS, VENDOR: AIR MONITOR CORPORATION) --(REF. WATER COLUMN: 6418-2331-0912)-- --(EPN: 27362B)--	87353	DICK, JOHNNY D			2331		
6118-1183-0905		3	CONDITIONER; SIGNAL; WITH SCALING MULTIPLIER MODEL NO: SERIES 1500 DUAL OUTPUT. BOTH OUTPUT ARE 4-20 MILLIAMPS. (MFG: AIR MONITOR CORPORATION P/N 208-012- (WITH 4 MORE DIGITS SIGNIFYING THE S/N) -- QA CLAUSES: C02, E22 --	EA	782.00	2	1	2331		E10
6118-1183-1590		3	EXTRACTOR; SQUARE ROOT; (MODEL: SERIES 1000, MFG: AIR MONITOR CORPORATION, VENDOR: SAME, OUTPUT OF 4-2V AND INPUT OF 4-20 MA) -- QA CLAUSES: C02, E22 --	EA	1656.00	1	0	2331		E10
6118-1183-1780		4	METER, FLOW; FLOWMETER(FLOWRATE), LAB CREST WITH TANTALUM FLOAT, P/N 10A1460AB528.	EA	436.00	1	0	2331		E10



SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOG

DATE 12/27/97  
PAGE 619

STOCK CLASS/CAPTION 6118

STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-2790-6905	4	MAGNETIC UNIT 1; SUSPENSION UNIT FOR, ANALYZER, OXYGEN--HC-24B +C--MODEL G2, SERIAL NO. 265. RANGE 0-1, 0-25	EA	1450.00	1	0	2330	E80
6118-2790-7775	4	TUBE PHOTO 7513; TUBE, PHOTO, MATCHED PAIR NO. 75134. FOR-OXYGEN ANALYZER,--HC-24 B+C-- MODEL G2, SER. NO. 265.	SET	5.00	1	0	2330	E80
6118-2790-7796	4	TUBE NO 75133 6; TUBE, NO.6AK6, PRETESTED AND AGED, PART NO. 75133. FOR-OXYGEN ANALYZER, 115V,60CY., RANGE0-25(, MODEL NO. F3M3-1A3A, SER. NO. 1404, 1405, 1406, 1407, 1408 AND 1409.	EA	31.50	1	0	2330	E80
6118-2815-5600	4	PROBE; PH; CLADDED IN STAINLESS STEEL; 10 IN. PROBE WITH GX-3 GLASS PROBE TIP AND BNC CON- NECTOR. (PROBE LENGTH 10 IN. CLADDED IN STAINLESS STEEL, BEVCO MODEL NO. 1) ---CATALOG RETENTION---	EA	1150.00	0	0	2233	NUM
6118-2830		INSTRUMENT; PARTS; BROOKS INSTRUMENT COMPANY; (MFG: BROOKS INSTRUMENT COMPANY) --(REF. CAPITAL EQUIPMENT: 6418-2415- 1AR NO. 66773)-- --(EPN: 242-A)-- --(REF. CAPITAL: 6418-2225-1790, 1AR NO. 78385)-- --(EPN: 241-TX SALT WELLS)--	066773	WAHLQUIST, ROGER A			2415	
6118-2830-0570	4	BOARD; PRINTED CIRCUIT; PT. C-907-2-160-AA-A FOR TRANSMITTER MODEL 5522D.(MFG: BROOKS)	EA	135.25	1	0	2412	NUM
6118-2830-0700	4	CABLE; SIGNAL; 20 FT. LONG COMPATIBLE FOR USE BETWEEN BROOKS MODEL 7183FB9BAAA MAGNETIC FLOWMETER AND SIGNAL CONVERTER MODEL 7300D2B2C1AA --(REF. FLOWMETER: 6418-2225-1790)--	EA	51.00	1	0	2225	NUM

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOG

DATE 12/27/97  
PAGE 620

STOCK CLASS/CAPTION 6118

STOCK NUMBER	IL/SC	PLANT EQUIPMENT DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	BPF/CVI NO	SYS NUM
6118-2830-0764	4	CELL; CHAMBER AND HYDROGEN DETECTOR; DWG NO: H-2-817853 (USED IN EAST & WEST TANK FARMS STANDARD HYDROGEN MONITORING) MFG: WHITTAKER ELECTRONICS RESOURCES P/N: 114D038-10	EA	300.00	2	0	2412		
6118-2830-0935	4	COMPONENT; ELECTRONIC; U1A WITH MIL SPEC. --(FOR FLOWMETER MODEL: 7183FB98AAA)-- --(REF. FLOWMETER: 6418-225-1719)--	EA	10.50	4	1	2225		
6118-2830-0936	4	COMPONENT; ELECTRONIC; U1B WITH MIL SPEC. --(FOR FLOWMETER MODEL: 7183FB98AAA)-- --(REF. FLOWMETER: 6418-225-1790)--	EA	10.50	4	1	2225		
6118-2830-0937	4	COMPONENT; ELECTRONIC; U2A WITH MIL SPEC. --(FOR FLOWMETER MODEL: 7183FB98AAA)-- --(REF. FLOWMETER: 6418-225-1790)--	EA	10.50	4	1	2225		
6118-2830-0938	4	COMPONENT; ELECTRONIC; U2B WITH MIL SPEC. --(FOR FLOWMETER MODEL: 7183FB98AAA)-- --(REF. FLOWMETER: 6418-225-1790)--	EA	10.50	4	1	2225		
6118-2830-0939	4	CONTROLLER; TEMPERATURE; DWG NO: H-2-817853 (USED IN EAST & WEST TANK FARMS STAND HYDROGEN MONITORING) MFG: OMEGA P/N: CN9121A	EA	292.00	1	0	2412		
6118-2830-0940	4	COUNTER; NON-RESET PANEL MOUNT; 6 DIGIT DISPLAY (MFG: BROOKS - MODEL: 6-Y1-RMF-PM6, VENDOR: SEA-PORT CONTROLS, INCORPORATED) --(EPN: 242-A)--	EA	70.00	1	0	2415		
6118-2830-1740	4	FILTER; HIGH PURITY; DWG NO: H-2-817853 (USED FOR EAST & WEST STANDARD HYDROGEN MONITORING). MFG: MATHESON P/N: 6134-T8FF	EA	366.00	2	0	2412		

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 621

STOCK CLASS/CAPTION 6118

STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-2830-1790	4	FLOWMETER; AIR; 12 SCFM, METER SIZE 8. END FITTINGS-BRASS.METERING TUBE-BORO-SILICATE GLASS. O-RINGS-BUNA-N, FLOAT-ALUMINUM. BROOKS INSTRUMENT CO. MODEL 1305.	EA	81.17	1	0	2040	93
6118-2830-2970	4	INDICATOR; TEMPERATURE; DWG NO: H-2-817853 (FOR EAST & WEST STANDARD HYDROGEN MONITORING) MFG: OMEGA P/N: CN9111A	EA	292.00	1	0	2412	93
6118-2830-4420	4	MONITOR; HYDROGEN; DWG NO: H-2-817853 (FOR EAST & WEST TANK FARMS STANDARD HYDROGEN MONITORING) MFG: NEWPORT ELECTRONICS P/N: INFU-0-0-1-0-DC1	EA	755.00	1	0	2412	93
6118-2830-5580	4	SUPPLY; POWER; MFG: BROOKS; P/N: S-6412-022-AAA; VENDOR: BROOKS INSTRUMENT DIVISION) RATING: STANDARD 42V (FOR: MODEL 5522D TRANSMITTER, S/N 721137217- SALT WELL PUMPING) CLAUSE: N/A IL 4	EA	275.50	1	0	2412	93
6118-2830-6205	4	METER; 6-65E 0-120 SCFH AIR AT S.T.P., SIZE 6-65E, FISCHER-PORTER MODEL 10A3135-N, CAT. NO. A313510, EQ. USE 271-B.	EA	72.90	1	0	2040	93
6118-2830-6210	4	ROTMETER; (INDICATING. EP-225-B. BROOKS INSTRUMENT CO. MODEL 1305 WITH INTEGRAL NEEDLE VALVE, 1.0 TO 10 CFM) IL 4	EA	106.00	1	0	2046	99
6118-2830-7700	4	TUBE; TRU-TAPER; R-BH-75-1 FOR BROOKS SHO-RATE RATEMETER, AIR 12 SCFM, METER SIZE 8, METERING TUBE BOROSCILLICATE GLASS, O RINGS, BUNA-N FLOAT, ALUMINUM. BROOKS TYPE 1305 TYPICAL SER. NO. 6307-5221616.	EA	40.75	1	0	2040	93
6118-2850		INSTRUMENT PARTS			018355			

SP-001		HANFORD INVENTORY PROGRAM				DATE 12/27/97			
STOCK CLASS/CAPTION 6118		SPARE PARTS CATALOG				PAGE 655			
CK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION			IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPF/CVI NO		
6118-3448	GAUGE; LEVEL DETECTOR; H-2-817634; ENRAF INCORPORATED; SERIES 854 ATG LEVEL DETECTOR) (MFG: ENRAF INCORPORATED) (CVI: 31560 001 - 004; DWG: H-2-817634)				HUBER, JOHN H	2420	31560		
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-0456	3	BEARING; DRUM; MFG: ENRAF NONIUS P/N: 0854.953 CLAUSES: C02, E14, E22		EA	43.00	5	0	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-1180	3	DISPLACER; MFG: ENRAF NONIUS P/N: 0815.900 CLAUSES: C02, E14, E22		EA	389.00	5	0	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-1270	3	DRUM; (FOR: ENRAF EQUIPMENT, (PLATINUM-20% IRIIDIUM), MFG: ENRAF NONIUS P/N: 9954.962 CLAUSES: C02, E14, E22		EA	1504.00	5	0	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-1590	3	EYELET; WIRE MEASURING; MFG: ENRAF NONIUS P/N: 0105.347 CLAUSES: C02, E14, E22		EA	8.50	5	0	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-2068	3	GASKET; CIRCULAR; FIBRE; FOR A 4" FIG. 215-CS (FOR A FIG. 215-CS SIGHT FLOW INDICATOR) (MFG: ERNST GAUGE COMPAN; P/N 0105.347) CLAUSE: C03 CLAUSE: 917 / 5 YEARS SHELF LIFE		EA	3.00	10	0	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-2070	3	GAUGE; LEVEL DETECTOR; SERIES 854 ATG; WITH DISPLACER P/N 0815.900; MFG: ENRAF; MODEL: UEN854M21F28/LC.2-US (DWG: H-2-817634) CLAUSES: C02, E14, E22 AD: Q		EA		4	2	2420	
STOCK NUMBER	IL/SC	PART DESCRIPTION		UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6118-3448-2230	3	GLASS; TEMPERED; FOR 4" FIG. 215-CS (FOR A 4" 215-CS SIGHT FLOW INDICATOR) MFG: ERNST GAUGE CO CLAUSE: C03		EA	68.40	10	0	2420	
6118-3450		LEVEL; CONTROL; INSTRUMENT PARTS, MFG. LEEDS AND NORTHROP. LIQUID LEVEL INDICATING INST. EP 234-52. 261N. VACUUM SYSTEM CVI 20612.		87324	THOMAS, RICHARD J			2330	

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 1395

STOCK CLASS/CAPTION 6167

STOCK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION	IAR NO	EQUIPMENT COG ENGINEER	BLDG CODE	BPF/CVI NO			
6167-3250	FAN; CENTRIFUGAL; ALADDIN; 241AY-K1-3-2, 241AY-K2-3-2 EXHAUSTER K1-3-2 AND K2-3-2 FOR 101 AND 102 AY ANNULUS EXHAUSTER FANS. 241-AY FARM - TANK FARMS EAST. P.O. NO. JAJ-D-77742 ITEM 2. (ALADDIN P/N 241AY-K1-3-2, 241AY-K2-3-2)		DODD, RYAN A	2020	17105			
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6167-3250-0450	3	BEARING; PILLOW BLOCK; 1-77/16 IN. FOR EXHAUSTER K1-3-2 AND K2-3-2, 101 AND 102 AY ANNULUS EXHAUSTER FANS, TANK FARMS EAST. (FAFNIR P/N RSA0 1-77/16 IN.) QA CLAUSES: C02	EA	67.79	4	2	2020	
6167-3300		FAN; EXHAUSTER; FAN, EXHAUSTER; 3/4 HP, 1140 RPM. USE EP 234-S 10430-23, BPF 4365. ALLADDIN HEATING CORPORATION TYPE BB, SIZE 13 1/2, SINGLE INLET SINGLE WIDTH, CLOCKWISE ROTATION, ARRANGEMENT NO. 2, CLASS 1, REF DVG 485-AC-1. SERIAL 4365. (EVI: 1387)	004981	DICK, JOHNNY D		2330		1387
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6167-3300-0535	3	BELTS, SET OF 2; BELT, 50.300 IN. OC, 48.000 IN. IC, .500 TW, .344 T, FACTORY MATCHED SETS OF 2 BELTS. 1DB1 GROUP 71487.	SET	10.74	1	0	2330	A25
6167-3305		FAN; CENTRIFUGAL EXHAUST; FAN ENGINEERING; (MFG: FAN ENGINEERING) (SERIAL EF1, EF2 AND EF3)		RUELAS, BYRON H		2175		
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6167-3305-0451	3	BEARING; PILLOW BLOCK ASSEMBLY; 3 15/16 IN. SHAFT DIAMETER COMPLETE ASSEMBLY CONSISTING OF HOUSING, SPHERICAL ROLLER BEARING, TAPERLOCK ADAPTOR, RING SEALS AND STABILIZING RING. (SKF MODEL SAF 22522(A) OR EQUAL, VENDOR: BEARINGS, INCORPORATED) --(THIS UNIT IS USED AS THE OUTBOARD OR FIXED BEARING FOR 222-S PRIMARY EXHAUST FANS.)--	EA	585.09	5	2	2175	
STOCK NUMBER	IL/SC	PART DESCRIPTION	UOI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS NUM
6167-3305-0452	3	BEARING; INSERT; 3 7/16" SKF EQUAL IS FSAF - 22520 THIS IS A COMPLETE UNIT.(TO BE USED ON THE ELECTRIC EXHAUST FANS AT 222-S) CLAUSE 924, 1L 3Q	EA	154.24	2	1	2175	

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOG

DATE 12/27/97  
PAGE 1476

STOCK CLASS/CAPTION 6167

STOCK NUMBER	IL/SC	PART DESCRIPTION	UDI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS	
6167-4813-0415	3	BAG; HEPA FILTER CHANGE OUT; PVC; 60C X 54 FLANDERS P/N PVC-Y-TSP-B. TO FIT HOUSING NUMBER HP G-1 1R-CC-D (304)F.	EA	60.00	5	1	2062	NUM VAS	
		SSC/AD: 3/Q CLAUSE: B34							
STOCK NUMBER	IL/SC	PART DESCRIPTION	UDI	UNIT PRICE	MAXIMUM	MINIMUM	BLDG CODE	SYS	
6167-4813-1725	3	FILTER; NUCLEAR GRADE HEPA; FIRE-, MOISTURE-, AND CHEMICAL-RESISTANT (FMCR), PER HS-V-P-4042 AMENDMENT 1. NOMINAL AIRFLOW RATING: 125 CFM MAXIMUM, RESISTANCE AT THE NOMINAL AIRFLOW RATING: AT 1.3 IN. WG.	EA	159.39	4	1	2062	NUM	
		FLANDER MODEL / P/N: 0-007-D-03-05-NU-51-23-CCD-US							
		D = FRAME HARDWARE: N/A 007 = FILTER MEDIUM: 99.97% W/R GLASS STANDARD PRODUCT D = PACK STYLE: 4 IN. PUREFORM ELEMENT 03 = FRAME CONSTRUCTION MATERIAL TYPE: 14-GAUGE TYPE 304 SS 05 = FRAME STYLE (FLANGES): 3/4" DEEP CHANNEL (OR GROOVE) FILLED WITH SEALANT NU = NUCLEAR GRADE FILTERS: F.R. URETHANE 51 = FILTER/MOUNTING FRAME: BLUE-GEL FILTER/MOUNTING FRAME GASKET LOCATION: UPSTREAM 23 = FACEGUARD SPECIFICATION: SS (4 X 4 MESH) 304/304L SS WIRE CLOTH FACEGUARD LOCATION: UPSTREAM AND DOWNSTREAM CCD = FILTER CODE SIZE: 12 X 12 X 5 7/8 INCHES US = UL TESTED WITH 586 LABELS							
		- FILTERS SHALL BE IN ACCORDANCE WITH SPECIFICATION HS-V-P-4042 AMENDMENT 1. - TO BE TESTED AT WHC HEPA FILTER TEST FACILITY. - (ON-SITE REFERENCE - HPS-159-M) CLAUSES: C02, E01,, E02, E14, E17 AD: Q							
6167-4814		HOUSING; COMMERCIAL FILTERS BSSB10-3/4SD; 316 SS; 10 IN; BSSB10-3/4SD; H-2-29661, H-2-29662; COMMERCIAL FILTERS: BSSB10-3/4SD MANUFACTURED BY COMMERCIAL FILTERS FOR 10 IN CARTRIDGE FILTER. (TO BE USED IN PRF (236-2) CHEM PREP ON TANKS A101,	75231	DICK, JOHNNY D			2282		

SP-001

HANFORD INVENTORY PROGRAM  
SPARE PARTS CATALOGDATE 12/27/97  
PAGE 1477

STOCK CLASS/CAPTION 6167

ICK NUMBER BASIC	PLANT EQUIPMENT DESCRIPTION	IAR NO	EQUIPMENT COG	ENGINEER	BLDG CODE	BPF/CVI NO	
	A102, A103, A104, A105, A108, A109, A112, A113, A114, A115, AND A116)						
STOCK NUMBER 6167-4814-1500	IL/SC 4 ELEMENT; ELEMENT, FILTER, HONEYCOMB, FUL FLO, STOCK NO. 17R10-SV, FOR ABOVE FILTER, HIGH USAGE.	UOI EA	UNIT PRICE 4.52	MAXIMUM 1	MINIMUM 0	BLDG CODE 2282	SYS NUM E20
STOCK NUMBER 6167-4814-1720	IL/SC 3 HOUSING; FILTER; 316 SS; 10 IN CARTRIDGE FILTER. (COMMERCIAL FILTER P/N BSSB10-3/4SD) IL3Q	UOI EA	UNIT PRICE 267.10	MAXIMUM 3	MINIMUM 1	BLDG CODE 2282	SYS NUM E60
STOCK NUMBER 6167-4814-2000	IL/SC 3 GASKET; O-RING; VITON; (MFG: COMMERCIAL FILTERS; P/N: 4150-5179; VENDOR: MONTGOMERY BROTHERS COMPANY) (FOR: COMMERCIAL FILTER HOUSING BSSB10-3/4SD AND BSS10-3/4SD) SHELF LIFE CLAUSE: 917 / 20 YEARS IL 4 SHELF LIFE CLAUSE 917	UOI EA	UNIT PRICE 25.43	MAXIMUM 15	MINIMUM 10	BLDG CODE 2282	SYS NUM E60
6167-4815	FILTER, ROLL PAK AMERICAN AIR FILTER	064937					
STOCK NUMBER 6167-4815-3000	IL/SC 4 FILTER MEDIA; FILTER, FIBER GLASS MEDIA, ROLL TYPE 33 INCH WIDE X 65 FEET LONG, AMERICAN AIR FILTER CATALOG NO. 811-935-002.	UOI ROL	UNIT PRICE 69.21	MAXIMUM 2	MINIMUM 0	BLDG CODE 2232	SYS NUM
STOCK NUMBER 6167-4815-4350	IL/SC 4 FILTER; ROLL TYPE; FIBER GLASS MEDIA; 46 IN. WIDE X 65 FT. LONG (MFG: AMERICAN AIR FILTER; NO: 800-947-2) CLAUSE: N/A IL 4	UOI ROL	UNIT PRICE 94.50	MAXIMUM 1	MINIMUM 0	BLDG CODE 2232	SYS NUM
6167-4816	SYSTEM; FILTER; FILTER SYSTEM, FOR WSCF NORTH LABORATORY HVAC			CURPHAN, LARRY L	2062		
STOCK NUMBER 6167-4816-0414	IL/SC BAG; HEPA FILTER CHANGE OUT; BAG, HEPA FILTER CHANGE OUT, POLYVINYLCHLORIDE, 90C X 108", PVC-Y-TSP-B-90C X 108, FOR HEPA FILTER REMOVAL/REPLACEMENT ON CHARCOAL SERVICE CORP. F-SERIES BAG-IN/BAG-OUT FILTER HOUSINGS. SSC/AD: GS/Q CLAUSE: B34	UOI EA	UNIT PRICE 55.00	MAXIMUM 42	MINIMUM 22	BLDG CODE 2062	SYS NUM

CS-001

HANFORD INVENTORY PROGRAM  
CONVENIENCE STORAGE CATALOGDATE 12/27/97  
PAGE 24

QCK NUMBER	DESCRIPTION	IL/ SC	UNIT PRICE	STORAGE LOC	BAL ON HAND	UOI	STORAGE REQUESTOR
7900-3843-0005	BEARING; #3KF159-X;	4 4	207.00	EBP-E01-B00	0	EA	KELLY, DIANE C
7900-3885-6401	STATION; COMPRESSED AIR; COMPRESSED AIR STATION PER ATTACHED SPECIFICATION WMC-S-0239, REVISION 1, DATED JAN. 26, 1994 WITH UPGRADED AIR FILTRATION	4 4	1,536.67	EY4-R04-G00	1	LOT	WALLGREN, CARL B
7900-3900-6201	GAUGE; GAUGE LEVEL, SERVO TYPE, ENRAF-NONIUS MOOEL #854 ATG MEETING OR EXCEEDING THE ATTACHED REQUIREMENTS DATED 12/20/93. GAUGE TO INCLUDE THE FOLLOWING OPTION: 1/4 INCH NPT TAP AND PLUG IN DRUM HOUSING FOR PURGE CONNECTION.	3 3	6,058.00	ECP-G08-E00	2	EA	BARNES, GEOFFREY A
7900-3964-8301	RECEPTACLE; GFCl HUBBELL; GF53621;	3 3	18.36	EBP-DD1-B00	6	1	PERALES, GERALD D
7900-3964-8302	SWITCH;	3 3	1,995.00	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8303	KIT; NEUTRAL; DT400NK	3 3	68.06	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8304	KIT; GROUND; DS468GK	3 3	58.67	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8305	FUSE; GOULD; TR5R	3 3	3.12	EBP-DD1-B00	3	1	PERALES, GERALD D
7900-3964-8306	SWITCH; SAFETY; SQUARE-D H3630S	3 3	1,157.00	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8307	KIT; NEUTRAL; SQUARE D H100SN	3 3	23.15	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8308	KIT; GROUND, SQUARE D PK0GTA-2;	3 3	11.62	EBP-DD1-B00	1	EA	PERALES, GERALD D
7900-3964-8309	SWITCH; SAFTY SQUARE-D H361DS;	3 3	530.00	EBP-DD1-B00	1	EA	PERALES, GERALD D
7900-3964-8310	KIT; GROUND SQUARE D PK3GTA-1;	3 3	2.42	EBP-DD1-B00	1	1	PERALES, GERALD D
7900-3964-8311	ZONE; MINI-POWER, SQUARE-D MP210S40F;	3 3	771.00	EBP-G15-B00	3	1	PERALES, GERALD D



CS-001

HANFORD INVENTORY PROGRAM  
CONVENIENCE STORAGE CATALOGDATE 12/27/97  
PAGE 181

STOCK NUMBER	DESCRIPTION	IL/ SC	UNIT PRICE	STORAGE LOC	BAL ON HAND	UOI	STORAGE REQUESTOR
9900-4131-0005	ASSEMBLY; GRAPPLER; (H-2-79378) AIR LANCE REMOVAL EQUIPMENT (LOT A 1 OF 2)	4		1.00 EDX-H03-000	1 EA.	RUST, GLENN J	
9900-4131-0006	RETRACTOR; ASSEMBLY; (H-2-79412) AIR LANCE REMOVAL EQUIPMENT	4		1.00 EDX-H03-000	1 EA.	RUST, GLENN J	
9900-4131-0007	ASSEMBLY; PULLER ASSEMBLY #1; (MIT ONLY) (H-2-79376) USE M.I.T. REMOVAL EQUIPMENT WITH 1 EA. 20' LENGTH HYDRAULIC HOSE AIR LANCE REMOVAL EQUIPMENT	3		1.00 EDX-H03-000	1 EA.	RUST, GLENN J	
9900-4131-1001	COMPRESSOR; RECIPROCATING; NON-LUBRICATED INSTRUMENT AIR, 15HP, INGERSOLL RAND MODEL 10T3NLV, 50 CFM, SERIAL NO. 30T74259S	4 4		.10 EBP-E04-A00	1 EA.	ZUBKA, KENNETH J	
9900-4131-2001	GAUGE; RADAR LEVEL; ENRAF NORIUS (EN) SERIES NO.872 3 PIECES 1 GAUGE 1 STAND 1 CONTROLLER			.00 EBP-E05-A00	1 LOT	ZUBKA, KENNETH J	
9900-4132-1001	FILTER; CYLINDRICAL;; DONALDSON CO. P/N P19-4412. (6167-5160-1700)	4 4		156.00 EBP-B04-C00	10 EA.	ZUBKA, KENNETH J	
9900-4132-1002	FILTER; HEPA; CYLINDRICAL, DONALDSON CO. P/N P19-4414 (6167-5160-1710)	4 4		120.00 EBP-B04-C00	10 EA.	ZUBKA, KENNETH J	
9900-4132-2001	COMPACTOR; COMPACTOR, COMANCHE CUBIC YARD (COMBINED AND AIR), PART NO. CCYC-MJ/A, MANUFACTURED BY STRAMRITE.	4 4		6,000.00 EAX-A17-000	1 EA.	SUTTON, SCOTT C	
9900-4132-2002	PLATE; REPLACEMENT PLATE, ROUND (FOR USE WITH 55 GALLON DRM.) PART NO. RP-55	4 4		110.00 EAX-A17-000	1 EA.	SUTTON, SCOTT C	
9900-4132-2003	COVER; PROTECTIVE PLATE (FOR USE WITH REPLACEMENT PLATE). PART NO. PP-C-21	4 4		10.00 EAX-A17-000	2 EA.	SUTTON, SCOTT C	
9900-4132-3001	MOTOR; ELECTRIC, G.E. MODEL 5KS254BD5A; 15 HP 37.4/18.7 AMPS FRAME 254T TEFC CONTINUOUS DUTY	4 4		1,000.00 EBP-B06-A00	1 EA.	SPEARS, CATHY S	
9900-4132-3002	TUBING; DEKORON D SPEC. 1201-44004;	4 4		1.00 EBP-B06-A00	3 BX.	SPEARS, CATHY S	

CS-001

HANFORD INVENTORY PROGRAM  
CONVENIENCE STORAGE CATALOGDATE 12/27/97  
PAGE 193

WOCK NUMBER	DESCRIPTION	IL/ SC	UNIT PRICE	STORAGE LOC	BAL ON HAND	UOI	STORAGE REQUESTOR
9900-4150-6019	AIR CONDITIONER; WALL MOUNT, 18,000 BTU'S, 220V, PART #WAS186W2A	4 4	1.00	EBP-A09-A00	1 EA	STARK, KAREN L	
9900-4150-6020	ADAPTER; PLATE CAMERA RISER ADAPTER, BOLTS AND GASKETS, JOB REFERENCE 2W-96-0009, SY103	4 4	1.00	EBP-A08-A00	1 EA	STARK, KAREN L	
9900-4150-6021	PAD; COOL; MEDIA, 20'X36", STOCK #7150 JOB REFERENCE 213W	4 4	1.00	EBP-A09-A00	2 ROL	STARK, KAREN L	
9900-4150-6022	ELEMENT; MICRON FILTER, SCHROEDER K10, JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	2 BOX	STARK, KAREN L	
9900-4150-6024	KIT; END SEAL KIT, CHROMALOX PART #RT-YES JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	10 EA	STARK, KAREN L	
9900-4150-6027	BELT; V-BELT, A38, JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	3 EA	STARK, KAREN L	
9900-4150-6028	BELT; V-BELT, B50, JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	6 EA	STARK, KAREN L	
9900-4150-6029	BELT; V-BELT. 4L380, JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	5 EA	STARK, KAREN L	
9900-4150-6030	BELT; V-BELT, 4L600, JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	6 EA	STARK, KAREN L	
9900-4150-6031	BELT; V-BELT, A38 JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	6 EA	STARK, KAREN L	
9900-4150-6032	BELT; V-BELT, 2600. GATES. JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	1 EA	STARK, KAREN L	
9900-4150-6033	MODULE; TC, UNCALIBRATED TC MODULE, PN #001673-650-502-20, EQUIPMETER JOB REFERENCE 213W	4 4	1.00	EBP-A12-B00	4 EA	STARK, KAREN L	
9900-4150-7001	GAUGE; LEVEL; LEVEL GAUGE, ENRAF NONIUS 854 ATG MODEL #UEAZ854M21F28/LCUS.	0 0	.00	EBP-F06-D00 EBP-F07-D00 EBP-F11-C00	16 EA	ZUBKA, KENNETH J	
9900-4150-7002	GAUGE; LEVEL; LEVEL GAUGE, ENRAF NONIUS 854ATG, MODEL #UEAZ854M21F28/LC.2	0 0	.00	EBP-F08-C00	9 EA	ZUBKA, KENNETH J	

PID42U

## REQUISITION STATUS/UPDATE

REQ NO W478656 PO NO M478656 REQ DATE 05/17/1996 REQ RECVD DT  
 BUYER CODE KH NAME K S HOEFT PHONE 3765577 ASSIGNED DATE 12/20/1996  
 DESCRIPTION \*Z\* H2 MONITORING EST REQ/PO VA 1350144 EST FRT  
 STCTR/CODE W75240 TOC ACCT/SHOP 200 CHRG/WORK N2239

PRODUCT CODE SPEC INTEREST SENSITIVE HAZARDOUS CD  
 PROGRAM CODE EMERGENCY COMBINED PO / CANCEL  
 REQUIRED DATE SEE BELOW: QUOTE DUE 06/21/96 TECH REVIEW

AUTHOR D TATE BLDG/ROOM I6-37 AREA 300  
 DELIVER TO KAISER LAY-DOWN AREA BLDG/ROOM AREA 200E

PURCHASE ORDER NO MKH-SDX-478656 ISSUE DT 06/26/1996 PO COMPLETE DT  
 PROMISED DATE 09/30/97 REVISED PROMISED DATE  
 DATE SENT TO INSPECTION LAST RECEIVED DATE 09/26/1997

REMARKS:

ACTION = (F = FETCH M = MODIFY)  
 I03-SUCCESSFUL FETCH

M = MENU

SHMS EQUIPMENT  
 IN ZI01M WAREHOUSE.

PID38U RMO-125 PURCHASE ORDER RECEIPT STATUS 12/30/1997 09:07:21

PO-NO M478656 BUYER K S HOEFT H7-08 VENDOR 61754 COMPLETE DT  
 PO-DT 06/26/1996 PROMISED DT 09/30/97 MID COLUMBIA ENGINEERING INC  
 SHIP-AUTH 10 PO-VAL 1350144.13 VARIANCE 10 RR LOC 12  
 ELVR TO KAISER LAY-DOWN AREA 200E LST RR 06/16/1997  
 ITEM DESCRIPTION UOM/UOI QTY-ORD QTY-RCVD QTY-DUE UNIT-PRICE  
 DOC-NO DATE QTY-RCVD INV-QTY-RCVD CHKR REASON CSTD-DT

001 S HYDROGEN MONITORING SYSTEM EA			34380.00	34380.00		.00	34380.00
IN 092596	092796	34380.00				101496	961014183116
002 S E+ HYDROGEN MONITORING SYST EA			535619.00	535619.00		.00	76517.00
IN 082896	083096	288534.20				090996	960909183044
IN 112196	112196	30000.00				122396	961223183127
IN 1089-1	012897	66467.12				013097	970130183111
IN 112196A	112196	10000.00				022097	970220183046
IN 112196	112196	-30000.00				022097	970220183046
IN 1096-4	021197	170617.68				022097	970220183046
003 S E+ HYDROGEN MONITORING SYST EA			306068.00	306016.00		52.00	76517.00
IN 102396	102896	151503.66				112696	961126163111

MORE RECORDS TO DISPLAY

F7 = PAGE-UP F8 = PAGE-DOWN

M=MENU \_

PID38U RMO-125 PURCHASE ORDER RECEIPT STATUS 12/30/1997 09:07:21

PO-NO M478656 BUYER K S HOEFT H7-08 VENDOR 61754 COMPLETE DT  
 PO-DT 06/26/1996 PROMISED DT 09/30/97 MID COLUMBIA ENGINEERING INC  
 SHIP-AUTH 10 PO-VAL 1350144.13 VARIANCE 10 RR LOC 12  
 ELVR TO KAISER LAY-DOWN AREA 200E LST RR 06/16/1997  
 ITEM DESCRIPTION UOM/VOI QTY-ORD QTY-RCVD QTY-DUE UNIT-PRICE  
 DOC-NO DATE QTY-RCVD INV-QTY-RCVD CHKR REASON CSTD-DT

IN 052297	052397	128018.70			060697	970606185524
IN 062697	062697	21345.64			071597	970715183037
IN 091697	091797	5148			092697	970926184633

004 S E HYDROGEN MONITORING SYSTE EA		53000.00	53000.00		.00	53000.00
IN 121896	122096	50150.00			011497	970114183138
IN 1096-4	021197	2850.00			022097	970220183046

005 S E HYDROGEN MONITORING SYSTE EA		265000.00	265000.00		.00	53000.00
IN 102396	102896	120496.34			112696	961126183111
IN 1835	031497	115716.36			032697	970326183123
IN 040897	040997	28787.30			042397	970423183108

MORE RECORDS TO DISPLAY

F7 = PAGE-UP F8 = PAGE-DOWN

M=MENU

PID38U RMO-125 PURCHASE ORDER RECEIPT STATUS 12/30/1997 09:07:21

PO-NO M478656 BUYER K S HOEFT H7-08 VENDOR 61754 COMPLETE DT  
 PO-DT 06/26/1996 PROMISED DT 09/30/97 MID COLUMBIA ENGINEERING INC  
 SHIP-AUTH 10 PO-VAL 1350144.13 VARIANCE 10 RR LOC 12  
 ELVR TO KAISER LAY-DOWN AREA 200E LST RR 06/16/1997  
 ITEM DESCRIPTION UOM/UOI QTY-ORD QTY-RCVD QTY-DUE UNIT-PRICE  
 DOC-NO DATE QTY-RCVD INV-QTY-RCVD CHKR REASON CSTD-DT

006	S CANCEL			.00	.00	.00	.00		
007	S TECHNICAL ASSISTANCE AND TR EA			.00	.00	.00	.00		
008	S INCENTIVE PAYMENT TO ACCELE LOT		20000.00	20000.00		.00	20000.00		
	IN 112196A	112196	20000.00			Q22097	970220183046		
009	S SHMS-E/E+ ANCILLARY EQUIPME LOT		83801.94	83801.94		.00	83801.94		
	IN 120696	121096	57441.00			010997	970109230310		
	IN 052297	052397	26097.33			060697	970606185524		
	IN 062697	062697	263.61			071597	970715183037		
	IN 120696	121096	-8616.50			072297	970722183056		
	IN 120696RET	071897	8616.50			072297	970722183056		
MORE RECORDS TO DISPLAY								M=MENU	_

F7 = PAGE-UP F8 = PAGE-DOWN

PID38U RMO-125 PURCHASE ORDER RECEIPT STATUS 12/30/1997 09:07:21

PO-NO M478656 BUYER K S HOEFT H7-08 VENDOR 61754 COMPLETE DT  
 PO-DT 06/26/1996 PROMISED DT 09/30/97 MID COLUMBIA ENGINEERING INC  
 SHIP-AUTH 10 PO-VAL 1350144.13 VARIANCE 10 RR LOC 12  
 ELVR TO KAISER LAY-DOWN AREA 200E LST RR 06/16/1997  
 ITEM DESCRIPTION UOM/UOI QTY-ORD QTY-RCVD QTY-DUE UNIT-PRICE  
 DOC-NO DATE QTY-RCVD INV-QTY-RCVD CHKR REASON CSTD-DT

010 S INSTALL .030	SHIM STOCK:	LOT	28088.00	28088.00	.00	28088.00
IN 052297	052397	27807.12			060697	970606185524
IN 062697	062697	280.88			071597	970715183037
011 S MODIFY SHIMS	E'S INTO E+'S:	LOT	24187.19	24187.19	.00	24187.19
IN 052297	052397	23945.32			060697	970606185524
IN 062697	062697	241.87			071597	970715183037

END OF DISPLAY

F7 = PAGE-UP F8 = PAGE-DOWN

M=MENU \_

Appendix E

SHIMS Credit Store Order

9/97 09:53 3309 376 4945 ENG LAB TWRS CHARACTERIZ @001

*CMT*

<b>IMS</b>	<b>CREDIT STORE ORDER</b>		TC-	Stores Order No.
				550

<i>Warehousing Services</i>			Area	Blgd.	Room
Cost Center	Account Class	W/O Vehicle, Support Code	W/O Program Code**		
77640	100	N2163			

IMPORTANT: One Cost Code per Credit Store Order  
 One Impact Level per Credit Store Order

QA Engineer: *N/A* Impact Level: *N/A*

Y	UOI	STOCK NUMBER	DESCRIPTION	STORAGE LOCATION
	EA	6118-2830-0764	Cell	
	EA	6118-2830-1746	Filter	
	EA	6118-2830-2970	Indicator	
	EA	6118-2830-0939	Controller	
	EA	6118-2830-4120	Monitor	
	EA	6111-5610-5650	Pump	

Post-it® Fax Note	7671	Date	12-19-97	# of pages*	1
To	BILL HAYS	From	Randy Bunch		
Co./Dept	PDNW	Co.	JESC		
Phone #	376-0047	Phone #	376-2817		
Fax #	373-0122	Fax #			

From	Payroll No	Room	NSIN	Area	Blgd	Room
R. Bunch	84859	A116	RI-51	200E	2750	
Reason for Return	<i>Approved</i>					
RM Clearance	<i>N/A</i>					
Survey No						
Date						
Issued	Authorized By	Payroll No	Phone	Rec'd By	Checked By	Date
195	<i>R.O. Tom</i>	68862	37355			

party indicator \*\*For WHC use only, when Support Code Field to the left is a Work Order. 54-9600-058 (06/89)

**BEST AVAILABLE COPY**



Appendix F

Hanford Inventory Program  
Spare Parts by Building Code

Building Code 2420

SP-005	HANFORD INVENTORY PROGRAM SPARE PARTS BY BLDG CODE		DATE	2/21/98					
BLDG CODE 2420				PAGE 1868					
COGNIZANT ENGINEER	EDDEN, NORMAN B								
MFG: KUNKLE P/N: 6010DD01 CLAUSE: 924									
STOCK NUMBER BASIC	EQUIPMENT DESCRIPTION								
6167-2855	COMPRESSOR; MODULAR AIR SYSTEM COMPLETE, PORTABLE; ASSEMBLED UNITS; 8.5'W X 23 1/2' L; NICHOLSON D44394 & D44395; NICHOLSON MAN SEATTLE, WA; MODEL NO: 2T 22; S/N: SERIES 1, A, B, C, UNITS; RATING 100CFM AT 100PSI MFG: NICHOLSON MAN. DWG NO: NICHOLSON D44394 AND D44395. SPEC. NO: WHC-S-0235								
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-2855-0460	BELT: V, DRIVE; (FOR EQUIPMENT PIECE #SA-F-6001 3000 SCFM DAYTON BLOWER) MFG: DAYCO P/N: A-68 CLAUSE: 924	4	2	1	2	EA	5.80	EBR-A01-017	
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-2855-1720	FILTER; PLEATED; 14X20X1 OUR E.P. #SA-FLT-6007 MOD AIR SUPPLY FILTER MFG: PUROLATOR P/N: HE 40 4001 CLAUSE: 924	4	6	2	5	EA	2.70	ECP-N15-800	
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-2855-1722	FILTER; MULTI POCKET TYPE; 24X24X19 OUR E.P. #SA-FLT-6002 COMPRESSOR CABINET COOLING FAN BAG FILTER MFG: PUROLATOR P/N: SP 40P6 4419 CLAUSE: 924	4	6	2	6	EA	19.70	ECP-L12-800	
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-2855-1724	FILTER; PRE; 24X24X4 OUR E.P. #SA-FLT-6001 COMPRESSOR CABINET COOLING FAN PRE-FILTER. MFG: PUROLATOR P/N: MK 40 4404 CLAUSE: 924	4	6	2	6	EA	8.76	ECP-N15-800	
STOCK NUMBER BASIC	EQUIPMENT DESCRIPTION								
6167-4776	EXHAUSTER; PORTABLE; 7000 CFM; H-2-35769 SH.1-4; VARIOUS; RATING: 7000 AT 7" W. G. (DESIGNATED 296-P; UNIT 296-P-16 IS AT 105-6-C AND UNIT 296-P-17 IS AT 105-6-A THIS DATE; H-2-35769 SHTS. 1 - 4) MFG: HANFORD FAB.								
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-4776-0292	ASSEMBLY; CENTRIFUGAL FAN; 7000 CFM MODEL: 20AF; RATING 7000 CFM AT 7" WG; TYPICAL S/N T2-19512-0 (PACE 20AF CENT.	4	0	0	0	EA	0.00		

SP-005 HANFORD INVENTORY PROGRAM DATE 2/21/98  
 BLDG CODE 2420 SPARE PARTS BY BLDG CODE PAGE 1869  
 COGNIZANT ENGINEER

EDDEN, NORMAN B  
 BLOWER USD-CI-SHSI CLASS 2 ARANT.OL 2500  
 RPM.15HP OPEN DRIP PROOF.1800 RPM  
 460/3/60. FIXED PITCH BELT DR. MANUAL  
 INLET VAIN.

\*\*CATALOG ONLY - USE 6167-4012-1600\*\* NOT FOUND IN INVENTORY

STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM
6167-4776-0901	COIL; ELECTRIC HEATING; **CATALOG ONLY - USE 6167-0730-0900** 2018	4	1	0	0	EA	0.00		
6167-4776-0914	CONTROLLER; MOTOR; NEMA SIZE 1, 3 POLE **CATALOG ONLY - USE 6117-5090-0902** 2018	4	1	0	0	EA	0.00		
6167-4776-4126	MANOMETER; **CATALOG ONLY - USE 6118-2953-4100** 2018	4	1	0	0	EA	0.00		
6167-4776-4276	METER; TEMPERATURE; 15" LONG 5" DIAL FACE **CATALOG ONLY - USE 6118-2638-2975** 2018	4	1	0	0	EA	0.00		
6167-4776-4410	MOTOR; ELECTRIC; 15 HP MODEL NO: TYPE SC; RATING: 15 HP AT 1750 RPM 230/460 3 PH 40/20A 1.15 SER. FAC. CLASS B INS. 254-T FR. OPEN DRIP PROOF MOTOR 40 DEG. C AMB. TEMP. NEMA DES. B) **CATALOG ONLY - USE 6117-4055-4400** 2018	4	0	0	0	EA	0.00		
6167-4776-6003	RELAY; LINE VOLT; 110/120V **CATALOG ONLY - USE 6117-6031-5950** 2018	4	1	0	0	EA	0.00		
6167-4776-7336	SWITCH; PILOT LIGHT, PUSH TO TEST; **CATALOG ONLY - USE 6117-7691-7301** 2018	4	1	0	0	EA	0.00		
6167-4776-7338	SWITCH; PUSH BUTTON; HEAVY DUTY 600AC MAX **CATALOG ONLY - USE 6117-7691-7300** 2018	4	1	0	0	EA	0.00		

SP-005		HANFORD INVENTORY PROGRAM SPARE PARTS BY BLDG CODE							DATE	2/21/98
BLDG CODE 2420									PAGE	1870
COGNIZANT ENGINEER EDDEN, NORMAN B										
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM	
6167-4776-7530	THERMOSTAT; AMP 125.250 VAC **CATALOG ONLY - USE 6117-8828-7525** 2018	4	1	0	0	EA	0.00			
6167-4776-7570	TIMER; MOTOR DRIVEN; 60. TIME RANGE 5.5 MIN **CATALOG ONLY - USE 6117-8605-7550** 2018	4	1	0	0	EA	0.00			
6167-4776-7700	TRANSFORMER; CURRENT; 50/5 AMP **CATALOG ONLY - USE 6117-8950-7650** 2018	4	1	0	0	EA	0.00			
6167-4776-7702	TRANSFORMER; CURRENT; 150/5 AMP **CATALOG ONLY - USE 6117-8950-7651** 2018	4	1	0	0	EA	0.00			
6167-4776-7704	TRANSFORMER; INDOOR/OUTDOOR; 1DKVA **CATALOG ONLY - USE 6117-8945-7650** 2018	4	1	0	0	EA	0.00			

SP-005		HANFORD INVENTORY PROGRAM						DATE		2/21/98	
		SPARE PARTS BY BLDG CODE						PAGE		128	
BLDG CODE 2018											
COGNIZANT ENGINEER		DODD, RYAN A									
STOCK NUMBER BASIC		EQUIPMENT DESCRIPTION									
6417-2018											
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM		
6417-2018-4428	MOTOR; ELECTRIC; 40 HP (RATING: 1.15 SERVICE FACTOR, 3550 RPM, 3 PH, 60 HZ, 460V.; 46.2 AMPS.) TYPE P, 326TS FRAME, AMB 60 DEGREES C, TYPE RN, INSUL: ENCL YEFC; DESIGN B, CODE F, (MFG: RELIANCE ELECTRIC, SPOKANE, WA; ID NO. YF833292) SJ, A-1 DRIVE END BEARING 55BC0SX30X26. --(FOR: 4000 CFM PORTABLE EXHAUSTER -- ME-14-267)-- --(EPM: 241-A --(NAS: 6417-2018-H-40)--	4	1	0	1	EA	7545.00	EBP-E10-A00			
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM		
6417-2018-4435	MOTOR; INDUCTION; 30 HP (MFG: GENERAL ELECTRIC; TYPICAL S/N: SV36253) --(NAS: 6417-2018-H30102A)--	4	1	0	1	EA	300.00	EBP-E04-B00			
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM		
6417-2018-4445	MOTOR; INDUCTION; 30 HP (MFG: GENERAL ELECTRIC; S/N: SV36253) --(NAS: 6417-2018-H30-102A)--	4	1	0	1	EA	300.00	EBP-E04-B00			
STOCK NUMBER BASIC		EQUIPMENT DESCRIPTION									
6418-2018											
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM		
6418-2018-1810	FLOWMETER; FLOAT-ACTUATED; PRECISION DUT CAM; CONCENTRIC INDICATOR 1/270 DEG. CALIBRATED SCALE; TWO-WIRE ELECTRONIC XNTR (MFG: FISCHER & PORTER; MODEL: 10F12728-1103AA65.1; VENDOR: ADS EQUIPMENT) --(FOR: 241-AW-OLD RECEIVER PIT AND 241-A-401 DIVERTER CAISSON)-- --(REF. DWG: H-2-73800)-- --(NAS: 6418-2018-FH-401)--	4	1	0	1	EA	4074.00	ECP-H09-C00			
STOCK NUMBER	PART DESCRIPTION	IL/SC	MAX QTY	MIN QTY	BAL ON HAND	UOI	UNIT PRICE	STORAGE LOCATION	SYS NUM		
6418-2018-1820	FLOWMETER; ROTARY SHUNT, STEAM; 4 IN. CAST IRON (VENDOR: KENT PROCESS; MODEL: RSM-40-1-300000) --(FOR: COOLING WATER COMPRESSOR AT	4	1	0	0	EA	0.00	ECP-H09-C00			

## DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	W. H. Hays	Date 3/12/98
Project Title/Work Order		EDT No. 603743
Project W-320 241-C-106 Waste Retrieval Spare Parts List		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
K. J. Anderson	S5-04	X			
J. E. Andrews	S5-04	X			
D. G. Baide	S5-05	X			
J. W. Bailey	S2-48	X			
R. R. Bevins	S2-48	X			
J. R. Bellomy	S2-48	X			
T. R. Benegas	S2-48	X			
D. A. Bragg	S5-05	X			
G. N. Hanson	S5-07	X			
W. H. Hays	B4-57	X			
J. M. Jones	S5-13	X			
M. A. Lane	S2-47	X			
J. R. LaPointe	R2-88	X			
J. W. Lentsch	S2-48	X			
W. J. Powell	S5-13	X			
S. W. Shaw	S2-48	X			
D. B. Smet	R1-56	X			
G. R. Tardiff	S5-05	X			
Central Files	B1-07	X			