DISTRIBUTION SHEET

To Distribution	From W-236A Document Management	Page 1 of 1			
		Date 11/14/94			
Project Title/Work Order Project W-236A, Multi-Function Waste Tank Facility		EDT No. 608604			
		ECN No. N/A			

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
OSTI		2			
Central Files (original)	L8-04	X			

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

NOV 14 1994 ^{Sta. #36}
CDK-167

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT 608604

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) Multi-Function Waste Tank Facility		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: W-236A		6. Cog. Engr.: VJ Cruz/EM Epperson		7. Purchase Order No.: N/A	
8. Originator Remarks:				9. Equip./Component No.: N/A	
				10. System/Bldg./Facility: N/A	
				11. Receiver Remarks:	
11. Receiver Remarks:				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.)	WHC-SD-W236A-RPT-004	—	0	The Multi-Function Waste Tank Facility (MWTF) - Surplus Equipment Report	SGD SQ	1,2		

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	

(G)	(H)	17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)						(G)	(H)		
Reason	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	Reason	Disp.
1,2	1,2	Cog. Eng. - VJ Cruz/EM Epperson	[Signature]	10-12-94	EM Epperson						
1,2	1,2	Cog. Mgr. - JM Light	[Signature]	10-12-94	JM Light						
1,2	1,2	QA - LR Hall	[Signature]	10-12-94	OSTI (2)			10-12-94			
1,2	1,2	Safety - SE Chalk	[Signature]	10-12-94							

18. ME Hughes [Signature] Signature of EDT Originator Date: 12-04-94		19. [Signature] Authorized Representative for Receiving Organization Date: 12-04-94		20. JM Light [Signature] Significant Manager Date: 10-12-94		21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments	
---	--	---	--	--	--	---	--

RELEASE AUTHORIZATION

Document Number: WHC-SD-W236A-RPT-004, Rev. 0

Document Title: The Multi-Function Waste Tank Facility (MWTF) -
Surplus Equipment Report

Release Date: 11/14/94

**This document was reviewed following the
procedures described in WHC-CM-3-4 and is:**

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Chris Willingham

C. Willingham

11/14/94

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.

This report has been reproduced from the best available copy. Available in paper copy and microfiche. Printed in the United States of America. Available to the U.S. Department of Energy and its contractors from:

U.S. Department of Energy
Office of Scientific and Technical Information (OSTI)
P.O. Box 62
Oak Ridge, TN 37831
Telephone: (615) 576-8401

Available to the public from: U.S. Department of Commerce
National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Telephone: (703) 487-4650

SUPPORTING DOCUMENT		1. Total Pages 103 / 14
2. Title The Multi-Function Waste Tank Facility (MWTF) Surplus Equipment Report	3. Number WHC-SD-W236A-RPT-004	4. Rev No. 0
5. Key Words W-236A, SURPLUS, EQUIPMENT, MWTF, TANKS	6. Author Name: VJ Cruz/EM Epperson <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;">EM Epperson</div> </div> <div style="margin-left: 625px; margin-top: -20px;">Signature</div> Organization/Charge Code 7F220/DPMTF	
7. Abstract This report documents the methods that were utilized to obtain information about the availability and location of government excess equipment. It will also list excess/underused equipment that could/will be appropriated for use under Project W-236 procurement actions.		
		8. RELEASE STAMP <div style="border: 2px solid black; padding: 10px; text-align: center;"> OFFICIAL RELEASE BY W-236A IMT DATE 11/14/94 STATION 36 CLERK 67 </div>

The Multi-Function Waste Tank Facility (MWTF)

Surplus Equipment Report

By V.J. Cruz/E.M. Epperson

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. 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. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

MASTER
DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

Table of Contents

1.0	INTRODUCTION	1
2.0	SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	1
3.0	APPENDICES	4

1.0 INTRODUCTION

The Multi-Function Waste Tank Facility (MWTF) will provide safe, environmentally acceptable, storage capacity to receive and store wastes from single-shell and double-shell tanks in support of Tank Waste Remediation System (TWRS) activities. The MWTF will consist of two separate sites with similar design. The East Area Tank Farm will contain four 1 million gallon (nominal) tanks and the West Area Tank Farm will contain two 1 million gallon tanks. Each facility will contain underground carbon steel tanks and associated equipment housed in two main buildings, (1) a support facility that houses the ventilation systems, liquid sampling systems, and control room; and (2) a weather enclosure that covers the waste tanks and associated equipment. The East Area Tank Farm will have an administration building for offices, locker rooms, and a lunch room.

2.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

A substantial portion of the MWTF cost is for equipment/materials (E/M) that will be required for operation and construction. To alleviate these costs a major effort was expended to locate E/M that were suitable for use on the MWTF. This search which initially began at Hanford was expanded nation-wide to include other Department of Energy (DOE) sites, military bases, and general service administration (GSA) offices. A listing of the places contacted is shown in Appendix 1.

Five sources of information were employed to locate E/M. They were:

1. MUFFIN (Multi-Use File For Interagency News). This is a GSA computer network system that is accessible via "PC Term" on the Hanford Local Area Network (HLAN).
2. REAPS (Reportable Excess Automated Property System). This is a monthly publication that lists excess equipment from all DOE sites.
3. General screening list of defense contractor inventory. This was a monthly publication issued by the Defense Reutilization and Marketing Service (DRMS). It is now defunct. Equivalent data is available on IRIS (Interrogation Requirements Information System) which is accessible via computer network. IRIS lists all stock numbered items of Department of Defense excess property currently in the worldwide inventory of the DRMS.

4. HIP (Hanford Inventory Program). This is a listing of excess E/M at Hanford and is available via Soft Reporting on the HLAN.

5. Past experience and knowledge of other Hanford projects.

When E/M were located from the sources previously described contact would be initiated with the appropriate personnel there. If the item of interest was equipment, efforts were made to obtain:

- Manufacturer
- Model Number
- Serial Number
- Certified Vendor Information (CVI)
- Quantity
- Condition
- Storage Conditions

If the item of interest was material, efforts were made to obtain:

- Certifications
- Quantity
- Condition
- Storage Conditions

When the above data was obtained it would be given to the appropriate ICF KH design engineer to determine if the item could be used on the MWTF. Other times, a list of E/M would be given to the design engineers. If they thought any items had potential for MWTF then efforts were made to obtain required data for that item.

As of this date there was no equipment located off-site that was suitable for the MWTF. The major problem areas associated with off-site equipment were:

- It did not meet the design requirements
- There was insufficient quantity
- Lack of CVI

There were no materials obtained from off-site that will be used in the MWTF. The major problems with using off-site materials were:

- Condition (were there deleterious effects from outside or improper storage)
- Lack of CVI

Materials were obtained from both off-site and on-site that will be used for construction, i.e. Temporary electrical lines, fences, electrical power, etc. The Hanford site provided E/M for both construction and MWTF use.

Appendix 2 shows the E/M from all sources that was obtained for the MWTF Project. It also shows the E/M usability status.

Because of the probable 6 to 12 month delay in start of MWTF construction it is recommended that the search for E/M be continued.

3.0 APPENDICES

APPENDIX 1

PLACES CONTACTED

1. DRMS (Defense Reutilization and Marketing Service)

- Oceanside, CA
- Vandenberg AFB, CA
- Imperial Beach, CA
- San Diego, CA
- Stockton, CA
- Alameda, CA
- McClellan AFB, CA
- Fairchild AFB, WA
- Whidbey Island NAS, WA
- Sunnyvale, CA
- North Charleston, SC
- Ft. Lewis, WA
- Philadelphia, PA
- Charleston, SC
- Ogden, UT
- Memphis, TN
- Tobyhanna, PA
- Battle Creek, MI

2. DOE (Department of Energy)

- INEL, ID
- West Valley, NY
- Carlsbad, NM
- Savannah River, SC
- Rocky Flats, CO
- Supercollider
- Nevada Test Site, NV
- Los Alamos, NM

3. GSA (General Service Administration)

- Dayton, OH
- Seattle, WA
- Richmond, VA

MWTF SURPLUS MATERIAL INVENTORY

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	WILL BE USED		
						YES	NO	DON'T KNOW
Emergency Generators	100D 190DR	2	H-791		\$231K	X		
Conduit	190DR	3,000 ft	(1200 ft needed)	4 inch Rigid	\$12K (for 1200 ft)			X
Shielding Windows	2101 M, EFX-E10-000	3	99BH- 0852-0057	ESW 236A	\$258K	X		
Motor Control Centers (MCC's)	HWVP 200E						X	
Refractory Concrete Anchor Studs	HWVP Warehouse 200E	18 Boxes					X	
Refractory Concrete Anchor Studs	HWVP Warehouse 200E	10 Boxes					X	
Refractory Concrete Anchors (U Anchor)	HWVP Warehouse 200E	4 Drums					X	

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 8 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
Refractory Concrete Anchors (U Anchors)	HWVP Warehouse 200E	4 Drums					X	
#11 Lenton Standard Reinforcing Steel Couplers	HWVP Warehouse 200E	408					X	
3/8 inch diameter Hex Nuts	HWVP Warehouse 200E	18 Kegs					X	
3/8 inch diameter Washers	HWVP Warehouse 200E	39 Boxes					X	
3/8 inch diameter Hex Nuts	HWVP Warehouse 200E	1/2 Keg					X	
3/4 inch Sch 40 Pipe 20 ft - 0 inch S.S.	HWVP Warehouse 200E	134 ft					X	
Metal Bar	Mechanics- burg, PA	14,511 ft					X	
Compressor	400 Area 4732C	2	9900-3104 9900-3105		\$34,500 Ea			X
Tubing (S.S.)	Hanford, WA	20,000 ft	1/2 inch				X	

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 9 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
300V Conductor Cable	Mercury, NV	10 Spools						X
750 KVA Transformer	Hanford, WA	1	Equip. # XT-32- 107, P.O. C170-04		\$25,000	X		
15 KV Pole Switches	Hanford, WA				\$462	X		
Lightning Arrestors	Hanford, WA				\$462	X		
1500 KVA Unit Substation transformer and 15 KV switch	Hanford, WA	1	Equip. # XT-32T- 003, P.O. 1190-02		\$43,000	X		
480/277v Switchboard and the mounting equip.	Hanford, WA	1	Equip. # SB-32T- 003, P.O. C170-02		\$10,000	X		
14" Butterfly Valve	400 Area 4732B	10	9900- 4301-3106		\$ 4,160 Ea			X
12" Butterfly Valve	400 Area 4732B	4			\$ 3,430 Ea			X
10" Butterfly Valve	400 Area 4732B	12			\$ 2,550			X

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 10 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
In-Line Centrifugal Fans	Hanford, WA	2						X
25 h.p. Air Compressor	Hanford, WA	1						X
Cable	Mercury, NV	500 ft	4/C #2/0 Copper, 600VAC		\$ 4,000	X		
Cable	Mercury, NV	1000 ft	4/C #4/0 Copper, 600VAC		\$11,000	X		
Cable	Mercury, NV	3,000 ft	AC #A/0 Type G 0- 2000VAC		\$33,000	X		
Cable	Mercury, NV	2,500 ft	AC #2 Type G 0- 2000VAC		\$10,000	X		
Cable	Mercury, NV	1,000 ft	3C Type PCG, 0- 2000VAC					X
Cable	Mercury, NV	78,000 ft	6 PR #16		\$75K			X
Cable	Mercury, NV	25,000 ft	6 PR #19		9K			X
Cable	Mercury, NV	62,000 ft	25 PR #19		67K			X
Cable	Mercury, NV	357,000 ft	50 PR #19		712K			X

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 11 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
Cable	Mercury, NV	10,000 ft	RG 333/0		8K			X
Cable	Mercury, NV	260,000 ft	9 PR #16		350K			X
Cable	Mercury, NV	45,000 ft	4/C #20		31K			X
Cable	Mercury, NV	40,000 ft	8/C #16		22K			X
Cable	Mercury, NV	64,000 ft	RF-23		12K			X
Cable	Mercury, NV	380,000 ft	RF-44		300K			X
Cable	Mercury, NV	340,000 ft	RG-22 B/U		150K			X
Metal Fence Posts	2101M, 200E	1123			12,914 (1,300 to acquire)	X		
Cable	1723, 100N	~6 Spools		4/0, 15,000V Type MV-90				X
Cable	1723, 100N	~6 Spools		Super Geranol 4/0, AWG 19, 5KV				X
Cable	190DR, 100D			#16/2C, 600v Instrument Cable				X
Cable	190DR, 100D	~100,000, ~20 Reels		#12, XHHW, 1C, 600V				X
Cable	190DR, 100D	13,775 ft, 5 Reels		#10, XHHW, 1C, 600V				X

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 12 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
Cable	190DR, 100D	13,775 ft, 4 Reels		#8, XHHW, 1C, 600V				X
Cable	190DR, 100D	1,020 ft, 2 Reels		#6, XHHW, 1C, 600V				X
Cable	190DR, 100D	8,800 ft, 8 Reels		#4/0, XHHW, 1C, 600V				X
Cable	190DR, 100D	450 ft, 1 Reel		#4, XHHW, 1C, 600V				X
Rebar (variety of sizes)	HWVP 200E	Tons				X		
Gravel	HWVP 200E	60,000 yrds	Stablizat ion Material			X		
Plywood	HWVP 200E							X
Computers (CPU's & File Servers) - HWVP	HWVP 200E				\$206,205	X		
Monitors - HWVP	HWVP 200E				\$46,100	X		
Printers (HP) - HWVP	HWVP 200E				\$79,000	X		
Mice - HWVP	HWVP 200E				\$1,600	X		

APPENDIX 2

WHC-SD-W236A-RPT-004, Rev.0
Page 13 of 13

MATERIAL	LOCATION	QUANTITY	STOCK #	APPLICABLE DWG #	EST. VALUE	YES	NO	DON'T KNOW
Software - HWVP	HWVP 200E				\$86,000	X		
Trailers - HWVP	HWVP 200E	4			\$276,480	X		
Utilities for HWVP Trailers	HWVP 200E				\$300,000	X		