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To LLW Vitrification Program	From STS/ETT/Engineered Process Applications	Page 1 of 1 Date March 14, 1995
Project Title/Work Order LLW Vitrification Technology Development		EDT No. 609095 [WHC-SD-WM-ML-001, Rev. 0] ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
Central Files (Orig.) <i>2</i>	L8-04	X			
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D. W. Hendrickson (2)	L5-31	X			
B. A. Higley	H5-27				X
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E. S. Mast	L4-69				X
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OSTI (2)	L8-07	X			

MAR 15 1995 35 Station 21	ENGINEERING DATA TRANSMITTAL	Page 1 of <u>1</u> 1. EDT 609095
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2. To: (Receiving Organization) TWRS Vitrification Development	3. From: (Originating Organization) STS/ETT/Engineered Process Applications	4. Related EDT No.: 609092
5. Proj./Prog./Dept./Div.: TWRS LLW Program	6. Cog. Engr.: D. W. Hendrickson	7. Purchase Order No.: 045792-MI
8. Originator Remarks: Hanford Low-Level Waste Vitrification Melter Testing Program Master List of Data Submittals from melter vendors for approval and issuance.		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks:		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: March 17, 1995

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-WM-ML-001	1-3	0	Hanford Low-Level Waste Vitrification Melter Testing - Master List of Data Submittals	N/A	1,2	1	1

16. KEY											
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1	1	Cog. Eng.: D. W. Hendrickson		3/14/95	L5-31	R. L. Gibby		3/15/95	H5-27	1,2	1
1	1	Cog. Mgr.: J. A. Hunter		3/14/95	L5-31						
		QA									
		Safety									
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18. D. W. Hendrickson Signature of EDT Date 3/14/95 Originator	19. R. L. Gibby Authorized Representative Date 3/14/95 for Receiving Organization	20. J. A. Hunter Cognizant Manager Date 3/14/95	21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
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Document Title: HANFORD LOW-LEVEL ~~WASTE~~ VITRIFICATION MELTER TESTING
- MASTER LIST OF DATA SUBMITTALS

Release Date: 3/15/95

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5. Key Words Vendor. Radioactive. LLW. Waste. Vitrification. Glass. Disposal. Melter. Testing. Hanford. Sodium. Operability. Maintenance. Reliability.	6. Author Name: D. W. Hendrickson Signature Organization/Charge Code OM570/D42AN	
7. Abstract This document provides a list of vendor-derived test plans, reports, and technical reports of the operability, reliability, and maintenance of seven glass melter technologies received in support of the Hanford LLW Vitrification Program, Tank Waste Remediation System.		
8. RELEASE STAMP <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 10px auto;">OFFICIAL RELEASE BY WHC DATE MAR 15 1995 35 <i>Station 21</i></div>		

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Hanford Low-Level Waste Vitrification Melter Testing -

Master List of Data Submittals

Prepared for

Westinghouse Hanford Company

MASTER

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Hanford Low-Level Waste Vitrification Melter Testing -
Master List of Data Submittals

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Master List of Data Submittals**

1.0 INTRODUCTION

The Westinghouse Hanford Company (WHC), as operations and engineering contractor of the Hanford Site for the United States Department of Energy (DOE) is conducting a two-phased effort to evaluate melter system technologies for vitrification of liquid low-level radioactive waste (LLW) streams. The evaluation effort includes demonstration testing of selected glass melter technologies and technical reports regarding the applicability of the glass melter technologies to the vitrification of Hanford LLW tank waste.

2.0 SCOPE AND PURPOSE

The scope of this document is to identify and list vendor document submittals in technology demonstration support of the Hanford Low-Level Waste Vitrification melter testing program. The scope of this document is limited to those documents responsive to the Statement of Work (Wilson 1994), accepted and issued by the LLW Vittrification Program.

The purpose of such a list is to maintain configuration control of vendor supplied data and to enable ready access to, and application of, vendor supplied data in the evaluation of melter technologies for the vitrification of Hanford low-level tank wastes.

3.0 DATA SUBMITTALS

Under Purchase Order W045792, seven distinct procurement actions proceeded for the acquisition of technology demonstration efforts by melter vendors. Accepted and issued vendor data submittals, identified by vendor and subcontract are provided below.

3.1 BABCOCK & WILCOX COMPANY (MMI-SVV-384214)

3.1.1 Test Plans

WHC-SD-WM-VI-018, *Test Plan for Glass Melter System Technologies for Vitrification of High-Sodium Content Low-Level Radioactive Liquid Wastes, Project Number RDD-43288*, March 15, 1995.

3.1.2 Test Reports

3.1.3 Technical Information Reports

3.2 ENVITCO, INC. (MMI-SVV-384213)

3.2.1 Test Plans

3.2.2 Test Reports

3.2.3 Technical Information Reports

3.3 GTS DURATEK (MMI-SVV-384215)

3.3.1 Test Plans

3.3.2 Test Reports

3.3.3 Technical Information Reports

3.4 PENBERTHY ELECTROMELT INTERNATIONAL, INC. (MMI-SVV-384217)

3.4.1 Test Plans

3.4.2 Test Reports

3.4.3 Technical Information Reports

3.5 U. S. DEPARTMENT OF THE INTERIOR, BUREAU OF MINES, ALBANY RESEARCH CENTER (MMI-SVV-384216)

3.5.1 Test Plans

3.5.2 Test Reports

3.5.3 Technical Information Reports

3.6 VECTRA GOVERNMENT SERVICES, INC. (MMI-SVV-384211)

3.6.1 Test Plans

3.6.2 Test Reports

3.6.3 Technical Information Reports

3.7 WESTINGHOUSE ELECTRIC CORPORATION - SCIENCE & TECHNOLOGY CENTER
(MMI-SVV-384212)

3.7.1 Test Plans

WHC-SD-WM-VI-011, *Test Plan for Evaluation of Plasma Melter Technology for
Vitrification of High-Sodium Content Low-Level Radioactive Liquid Wastes*,
December 2, 1994.

3.7.2 Test Reports

WHC-SD-WM-VI-014, *Evaluation of Plasma Melter Technology for Vitrification of
High-Sodium Content Low-Level Radioactive Liquid Wastes -- Demonstration Test #4
Preliminary Test Report*, January 10, 1995.

3.7.3 Technical Information Reports

WHC-SD-WM-VI-015, *Technical Information Report: Plasma Melter Operation,
Reliability, and Maintenance Analysis*, March 14, 1995.

4.0 REFERENCES

Wilson, C. N., 1994, *Evaluation of Melter System Technologies for Vitrification
of High Sodium Content Low Level Radioactive Liquid Wastes*, WHC-SD-WM-RD-
044, Revision 0, Westinghouse Hanford Company, Richland, Washington,
March 16, 1994.