Sta 5
JAN 20 1997

12

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 605068

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) SWMFE	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: SWM	6. Design Authority/ Design Agent/Cog. Engr.: R.M. Irwin	7. Purchase Order No.: N/A
8. Originator Remarks: Please sign for approval and release.		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks: 11A. Design Baseline Document? ☐ Yes ☒ No		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: 1/16/97

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-SD-WM-RPT-287		0	TRU Relocation Status Report	N/A	1,3	1	

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
1	1	Cog. Eng. J. R. Rosser		1/14/97	T4-03				
1	1	Cog. Mgr. R. M. Irwin		1/14/97	T4-03				
3		R. J. Giroir			T4-03				
3		P. J. Crane			T4-03				
3		R. R. Durfee			T4-03				
3		B. L. Oswald			T3-05				
3		R. E. Bolls			T3-05				

18. J. D. Doughty Signature of EDT Originator	19. R. M. Irwin Authorized Representative for Receiving Organization	20. R. M. Irwin Design Authority/Cognizant Manager	21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
---	--	--	---

TRU Relocation Status Report

R. M. Irwin

Rust Federal Services of Hanford, Inc., Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 605068

UC: 510

Org Code: 32540

Charge Code: A31J3

B&R Code: EW3130020

Total Pages: 19

Key Words: Transuranic waste, relocation, assay, verification,
Low-Level Burial Grounds, TRUSAF, T Plant, Central Waste Complex

Abstract: To meet an internal milestone, 257 containers identified as contact-handled transuranic waste are being relocated from uncovered drum modules in the Low-Level Burial Grounds into covered facilities. The project is not yet complete. This report discusses the project and its status as of December 31, 1996.

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: WMC/BCS Document Control Services, P.O. Box 1970, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Release Approval

1/20/97

Date

Release Stamp

Approved for Public Release

1.0 DESCRIPTION OF EFFORT

Approximately 2,000 drums of contact-handled (CH) transuranic (TRU) waste reside uncovered in trenches 1, 20, and 29 of burial ground 218-W-4C in the 200 West Area. The U. S. Department of Energy intends, at some point, to transport all TRU waste to the Waste Isolation Pilot Plant near Carlsbad, New Mexico, for disposal. Therefore, wastes identified as TRU are expected to be retrieved from the burial grounds¹.

There is concern that exposure to the elements may be significantly accelerating corrosion of the subject drums, complicating subsequent retrieval and handling. Relocation of the containers into covered storage would help to mitigate that concern.

In fiscal year 1996, an internal milestone was established to relocate approximately 250 of these containers into covered storage in the Central Waste Complex (CWC).

Through a review of available documentation and process knowledge, and selective screening, 260 candidate drums were identified for relocation. Based upon process knowledge, the drums were divided in five separate waste streams: 101A (4 drums), 102A (42 drums), 102B (27 drums), 103A (75 drums), and 103B (112 drums). All selected drums were in drum module 14 of trench 1 in burial ground 218-W-4C. The drums were located, inspected, and staged for transportation.

A representative number of drums (5%) from each waste stream were transported to 224-T, the Transuranic Waste Storage and Assay Facility (TRUSAF), for non-destructive assay (NDA) and non-destructive examination (NDE). If no significant discrepancies were noted between the contents and the disposal records, the drums were considered to have passed verification. If 5% of a given waste stream passed verification, those drums were transported to the CWC and placed into storage, and the remainder of the drums in that waste stream were transported directly to the CWC from the burial grounds. If the initial 5% failed verification, a second 5% was tested. If the second 5% failed, the entire waste stream was transported to 224-T for NDA/NDE.

Two waste streams, 101A and 102B, passed verification on the first 5%. One waste stream, 102A, failed verification of its first 5%, but passed upon

¹ Historical information regarding the placement of TRU wastes at Hanford is found in *Contact-Handled Transuranic Waste Characterization Based on Existing Records*, WHC-EP-0225, (WHC 1990). Regulatory issues are discussed in "Comprehensive Analysis of Regulatory Status and Alternate Contingencies for the Removal and Relocation of Transuranic Waste from Burial Ground 218-W-4C," a 1996 whitepaper produced by WHC Generator and Waste Acceptance Services.

successful verification of the second 5%. The remaining two waste streams, 103A and 103B, failed verification of both the first and second 5% and required 100% verification.

Drums that did not pass verification could not be placed into storage until the issues were resolved. Some issues were resolved without opening the containers, by reclassifying the waste and overpacking if required. In some instances, however, visual inspection of the drum contents was deemed appropriate. In such cases, the drum was staged in 224-T and then transported to T Plant for processing. There, following visual inspection of the contents, issues could be resolved by fixing the problem (e.g., removing prohibited articles), or by reclassification and/or overpacking.

Once verification issues were resolved, the container was staged, whether at 224-T or T Plant, and then transported to the CWC and placed into storage. The relocation effort is still in process.

A process flow chart from "Transuranic Waste Relocation Program Plan," WHC-SD-WM-PAP-065, Rev. 0 (WHC 1996), is provided as Figure 1.

2.0 SUMMARY OF CONTAINER SELECTION PROCESS

Initially, the Solid Waste Information Tracking System (SWITS) database was used to screen for the most accessible drums. Approximately 500 containers were identified as either on or near the face of the drum modules. Then, the 500 drums were screened for:

- availability and completeness of process information, both documented and through staff interviews (to allow a determination regarding radiological and dangerous waste characteristics), and
- lot or batch size (using waste streams encompassing a large number of drums reduces the amount of process knowledge research needed and, in general, reduces the overall number of drums requiring verification under the 5% standard).

Then, based upon a review of the obtained process knowledge, drums expected to contain mixed waste or prohibited articles were eliminated from consideration. Finally, drums containing ≥ 1 g fissile material were screened out, to comply with the T Plant waste acceptance criteria, facilitating its support in resolution of verification issues.

The screening process identified 260 candidate drums, all containing uncertified room wastes generated at the Plutonium Finishing Plant between October 1985 and June 1986. All 260 drums were located in drum module 14, in trench 1 of burial ground 218-W-4C. Based upon similarities in process history, the 260 drums were divided into five waste streams, designated 101A

(4 drums), 102A (42 drums), 102B (27 drums), 103A (75 drums), and 103B (112 drums).

3.0 SUMMARY OF BURIAL GROUND ACTIVITY

Drum retrieval operations, begun in mid August 1996, were conducted under work plan SW-WP-0120, *Relocate Transuranic Waste from 218-W-4C Burial Ground*.

Drum module 14 consisted of 55-gallon drums placed in stacks 12 drums wide, 12 drums long, and up to 4 drums high, with plywood between each tier.

Initially, the work area and drum staging area were surveyed for radionuclides and toxic/hazardous substances per the Radiological Work Permit (RWP). Retrieval then consisted of the following steps, for each drum.

- locate the identified drum within the module and verify accuracy of SWITS location data
- survey accessible areas of drum for dose rate and smearable contamination
- determine if drum is safe to move by visually assessing drum integrity and verifying presence of vent clip
- move drum to inspection/staging area
- survey remaining areas of drum for dose rate and smearable contamination
- stage drum
- complete the visual inspection of drum
- complete Drum Inspection Form
- verify appropriate markings and labels are in place

The drum was then considered ready for transport.

Three drums were eliminated from consideration upon inspection. Each lacked a vent clip and was thus deemed unsafe for the purposes of this project; all three were in waste stream 103B. All three remain in burial ground 218-W-4C. One was replaced in the drum module 14 of trench 1; the other two were relocated to trench 29. Container relocation forms were prepared to document the relocation.

Retrieval necessitated moving a number of non-selected drums. These drums were staged, as needed, and placed back into the drum module. New locations were documented on container relocation forms.

The first 5% of each waste stream retrieved was transported to 224-T, the Transuranic Waste Storage and Assay Facility (TRUSAF), for assay and verification.

4.0 SUMMARY OF ASSAY ACTIVITIES

A significant portion of the TRU relocation containers were assayed at TRUSAF using the passive-active neutron assay machine. Of the 194 containers assayed, 31 exceeded the TRU 100 nCi/g limit and maintained their TRU designation. The remaining 163 containers (86% of 194) were assayed at less than 100 nCi/g and therefore may be redesignated as low-level waste (LLW). Successful verification results on these 163 containers would allow evaluation and eventual disposal of these containers in the burial grounds. Assay was conducted per SW-080-012, "Assay Transuranic Waste in 224-T."

Assay results are summarized in Table 1. Container-specific assay results are provided in Attachment 1.

5.0 SUMMARY OF VERIFICATION ACTIVITIES

Successful verification of a representative sample of each waste stream is considered sufficient to allow placement of the remainder of that waste stream into storage. For wastes destined for the CWC, 5% is considered a representative sample, per the "Waste Analysis Plan for the Central Waste Complex" (WHC-SD-EN-WAP-003, Rev. 0) and the "Verification Program Manual for the Solid Waste Disposal Facilities" (WHC-SD-WM-WP-313, Rev. 0).

In addition, standard practice, implemented under the Performance Evaluation System, allows that, should the first 5% fail verification, a second 5% can be tested. Successful verification of the second 5% would then allow the remainder of the waste stream to go directly to the CWC.

5.1 RTR at TRUSAF

192 drums were examined at 224-T using real-time radiography (RTR), an x-ray imaging and recording system that allows viewing of contents without opening the container. RTR was used to compare container contents with disposal records to look for discrepancies, to evaluate the integrity of internal secondary containment, and to screen for prohibited articles such as free liquids, caustics, lead, and pressurized containers. RTR was implemented under procedure SW-080-011, "Non-Destructive Examination of Solid Waste Drums at 224-T for Verification."

105 of the 192 containers passed verification without issue. The remaining 87 containers had verification issues of some sort. Verification results are summarized in Table 1. Verification issues are summarized in Table 2. Container-specific verification information is provided in Attachment 1.

5.2 Issue Resolution at TRUSAF

Verification issues that could be resolved without opening the containers were handled at 224-T. This type of resolution consisted of modifying the disposal record to reflect the "worst case" inventory, reclassifying the drum if required, and overpacking as needed. Issues with 47 of the 87 containers were resolved in this fashion at 224-T.

Nine of the drums were reclassified as caustic, typically due to the presence of batteries; one of these was also overpacked. 19 were reclassified as other mixed waste (OMW), usually due to the presence of lead; four of these were overpacked. 15 contained regulated non-hazardous wastes and were reclassified as non-mixed waste (NMW); eight of these were overpacked. Two had issues resolved by changing inventory records; no reclassification was necessary. Two had issues resolved simply by overpacking. One additional drum remains staged at 224-T, pending reclassification.

If it was necessary to open the container in order to resolve the verification issue, the drum was staged at 224-T and then transported to T Plant.

5.3 Issue Resolution at T Plant

To date, 35 have been transported to T Plant for resolution of verification issues. Four of the 35 have been processed, transported to the CWC and placed into storage. Ten have been processed, and will be transported when appropriate paperwork is completed. 21 drums are still in process at T Plant. Five additional drums remain staged at 224-T, and may require processing at T Plant.

T Plant opens and inspects the container contents, eliminating most uncertainty regarding inventory and secondary containment. If prohibited articles or regulated wastes are identified, they can either be removed, or the container can be reclassified. If secondary containment is an issue, the liner can be properly closed, or the drum can be overpacked.

Documentation to date identified 13 containers that have passed verification at T Plant; 2 of these are still listed as in process, 7 await completion of paperwork, 4 are now in storage at the CWC.

15 containers are listed as having failed verification; 12 are still in process and 3 await completion of paperwork.

Verification results for seven containers at T Plant are on hold.

6.0 CONTAINER DISPOSITION

Currently, 220 drums are in covered storage at the CWC, 31 drums remain at T Plant awaiting processing or completion of paperwork, and 6 drums remain staged at 224-T.

Table 1. Summary of Assay and Verification Results

Waste Stream	Verification Drums	<u>ASSAY</u>		<u>VERIFICATION</u>		
		LLW	TRU	Pass ^A	Fail	Hold
101A	1	1	0	1	0	0
102A	6	5	1	5	1	0
102B	2	3 ^B	0	2	0	0
103A	75	62	13	67	3	5
103B	109 ^C	92	17	88	13	7
Total	193	163	31	163	17	12
Percent		84%	16%	84%	9%	6%

^A 60 of these drums had verification issues: 29 were redesignated mixed waste, 16 contained regulated wastes, 15 required overpacking.

^B One non-verification drum was assayed

^C No verification data available for PIN# RHZ-103-A13927

Table 2. Summary of Verification Issues

Number of Drums	Percent ^A	Issue
28	15%	contained liquids, either free or containerized
7	3%	contained aerosol can or other pressurized container
23	12%	contained lead (known or suspected)
12	6%	contained batteries (known or suspected)
29 ^B	15%	designated mixed waste (13 lead, 9 battery, 3 light bulb)
6	3%	contained mask filters or HEPA filters
16	8%	required overpacking due to presence of free liquids or due to improper secondary containment (no "horse tail" on the plastic liner)
16	8%	contained regulated waste; requires chemical analysis prior to disposal

^A Percentage of the 192 drums that went through the verification process. Note that several drums fall into more than one category.

^B To date, 39 drums, 20% of the 192 verified drums, have been identified as mixed waste. Only 29 have actually been reclassified as mixed waste. Of the remaining ten drums, two had the dangerous waste removed at T-Plant, six remain in process at T-Plant, and two remain staged at 224-T.

Figure 1. Relocation Process Flowchart

Attachment 1
Container-Specific Summary

HNFS-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-101-A13637	101A					CWC
RHZ-101-A13707	101A					CWC
RHZ-101-A13708	101A					CWC
RHZ-101-A14105	101A	LLW		Pass		CWC
RHZ-102-A13626	102A					CWC
RHZ-102-A13672	102A					CWC
RHZ-102-A13673	102A					CWC
RHZ-102-A13687	102A					CWC
RHZ-102-A13688	102A					CWC
RHZ-102-A13689	102A					CWC
RHZ-102-A13690	102A					CWC
RHZ-102-A13691	102A					CWC
RHZ-102-A13692	102A					CWC
RHZ-102-A13763	102A					CWC
RHZ-102-A13766	102A					CWC
RHZ-102-A13768	102A					CWC
RHZ-102-A13921	102A					CWC
RHZ-102-A13962	102A					CWC
RHZ-102-A13966	102A					CWC
RHZ-102-A14070	102A					CWC
RHZ-102-A14112	102A					CWC
RHZ-102-A14263	102A					CWC
RHZ-102-A14264	102A					CWC
RHZ-102-A14461	102A					CWC
RHZ-102-A14768	102A					CWC
RHZ-102-A14789	102A	LLW		Pass		CWC
RHZ-102-A14790	102A					CWC
RHZ-102-A14791	102A	LLW	Excessive Free liquid	Fail*	TO PROCESS	T-Plant
RHZ-102-A14792	102A	LLW		Pass		CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-102-A14793	102A					CWC
RHZ-102-A14794	102A	LLW		Pass		CWC
RHZ-102-A14838	102A	LLW		Pass		CWC
RHZ-102-A14839	102A	TRU		Pass		CWC
RHZ-105-A13575	102A					CWC
RHZ-108-A13648	102A					CWC
RHZ-108-A13649	102A					CWC
RHZ-108-A13669	102A					CWC
RHZ-108-A13670	102A					CWC
RHZ-108-A13671	102A					CWC
RHZ-108-A13674	102A					CWC
RHZ-108-A13675	102A					CWC
RHZ-109-A13680	102A					CWC
RHZ-109-A13681	102A					CWC
RHZ-109-A13682	102A					CWC
RHZ-109-A13683	102A					CWC
RHZ-109-A13684	102A					CWC
RHZ-102-A13847	102B					CWC
RHZ-102-A13850	102B					CWC
RHZ-102-A13913	102B					CWC
RHZ-102-A13914	102B					CWC
RHZ-102-A13922	102B					CWC
RHZ-102-A13961	102B					CWC
RHZ-102-A13963	102B					CWC
RHZ-102-A13964	102B					CWC
RHZ-102-A13965	102B					CWC
RHZ-102-A13967	102B					CWC
RHZ-102-A13971	102B					CWC
RHZ-102-A13972	102B					CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-102-A13973	102B					CWC
RHZ-102-A14021	102B					CWC
RHZ-102-A14040	102B					CWC
RHZ-102-A14042	102B					CWC
RHZ-102-A14046	102B	LLW				CWC
RHZ-102-A14064	102B					CWC
RHZ-102-A14067	102B					CWC
RHZ-102-A14078	102B	LLW	n/a	Pass		CWC
RHZ-102-A14079	102B					CWC
RHZ-102-A14106	102B					CWC
RHZ-102-A14107	102B					CWC
RHZ-102-A14108	102B					CWC
RHZ-102-A14109	102B	LLW	n/a	Pass		CWC
RHZ-102-A14111	102B					CWC
RHZ-102-A14113	102B					CWC
RHZ-103-A13584	103A	LLW		Pass		CWC
RHZ-103-A13586	103A	LLW	Containerized Liquid	Pass	TO PROCESS	T-Plant
RHZ-103-A13793	103A	TRU	Inventory, Check on MSA/Combo Filters	Pass	NMW-OVERPACK	CWC
RHZ-103-A13795	103A	LLW		Pass		CWC
RHZ-103-A13819	103A	LLW		Pass		CWC
RHZ-103-A13820	103A	LLW		Pass		CWC
RHZ-103-A13821	103A	LLW		Pass		CWC
RHZ-103-A13822	103A	LLW		Pass		CWC
RHZ-103-A13823	103A	LLW		Pass		CWC
RHZ-103-A13825	103A	LLW		Pass		CWC
RHZ-103-A13826	103A	LLW		Pass		CWC
RHZ-103-A13853	103A	LLW		Pass		CWC
RHZ-103-A13855	103A	LLW		Pass		CWC
RHZ-103-A13898	103A	TRU		Pass		CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-267, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A13899	103A	LLW	>1% free liquid	Pass	NMW-OVERPACK	CWC
RHZ-103-A13904	103A	LLW	Lead article suspect shavings	Pass	OMW	CWC
RHZ-103-A13917	103A	LLW		Pass		CWC
RHZ-103-A13919	103A	LLW	Free liquid and suspect lead	Fail*	TO PROCESS	T-Plant
RHZ-103-A14233	103A	LLW		Pass		CWC
RHZ-103-A14276	103A	LLW		Pass		CWC
RHZ-103-A14277	103A	LLW	containerized liquids	Hold	TO PROCESS	T-Plant
RHZ-103-A14280	103A	TRU		Pass		CWC
RHZ-103-A14281	103A	LLW		Pass		CWC
RHZ-103-A14288	103A	LLW	Inventory Changes	Pass	NMW	CWC
RHZ-103-A14289	103A	LLW	GM or PAM w/batteries Incorrect Inventory	Pass	CAUSTIC	CWC
RHZ-103-A14292	103A	TRU	Suspect Hy. Ram Oil	Fail	TO PROCESS	T-Plant
RHZ-103-A14293	103A	LLW	Suspect Lead Shavings	Pass	OMW	CWC
RHZ-103-A14437	103A	LLW		Pass		CWC
RHZ-103-A14438	103A	LLW		Pass		CWC
RHZ-103-A14439	103A	LLW	Containerized Liquid	Pass	TO PROCESS	T-Plant
RHZ-103-A14450	103A	LLW	Aerosol Can	Hold	TO PROCESS	T-Plant
RHZ-103-A14451	103A	LLW	Light Bulbs	Pass	OMW	CWC
RHZ-103-A14452	103A	LLW	Containerized liquid, suspect Pb Brick/Spill Pallet	Hold	TO PROCESS	T-Plant
RHZ-103-A14453	103A	TRU	Suspect Pb Brick	Pass	OMW-OVERPACK	CWC
RHZ-103-A14454	103A	LLW		Pass		CWC
RHZ-103-A14801	103A	LLW		Pass		CWC
RHZ-103-A14802	103A	TRU		Pass		CWC
RHZ-103-A14803	103A	LLW		Pass		CWC
RHZ-103-A14804	103A	LLW		Pass		CWC
RHZ-103-A14805	103A	TRU	Misc "Colorimetric" tubes	Hold	TO PROCESS	T-Plant
RHZ-103-A14806	103A	TRU		Pass		CWC
RHZ-103-A14807	103A	TRU		Pass		CWC
RHZ-103-A14808	103A	TRU	Battery, circuit board	Pass	CAUSTIC-OP	CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A14809	103A	LLW		Pass		CWC
RHZ-103-A14810	103A	LLW		Pass		CWC
RHZ-103-A14822	103A	LLW	Lead/Removed	Pass		CWC
RHZ-103-A14823	103A	TRU	2 "d" batteries 1 9v partial bttle wht out/	Pass	CAUSTIC	CWC
RHZ-103-A14824	103A	LLW		Pass		CWC
RHZ-103-A14825	103A	LLW		Pass		CWC
RHZ-103-A14830	103A	LLW		Pass		CWC
RHZ-103-A14831	103A	LLW	Light Bulbs/No org. papers ?	Hold	TO PROCESS	T-Plant
RHZ-103-A14832	103A	LLW		Pass		CWC
RHZ-103-A14833	103A	LLW		Pass		CWC
RHZ-103-A14834	103A	LLW		Pass		CWC
RHZ-103-A14845	103A	LLW	Compare to A13812 Fluorescent Starters	Pass	NMW-OVERPACK	CWC
RHZ-103-A14846	103A	TRU		Pass		CWC
RHZ-103-A14847	103A	LLW	>1% Free Liquid	Pass	PAPERWORK	T-Plant
RHZ-103-A14848	103A	LLW	Mercury Clean-up	Pass	PAPERWORK	T-Plant
RHZ-103-A14849	103A	LLW		Pass		CWC
RHZ-103-A14850	103A	LLW		Pass		CWC
RHZ-103-A14851	103A	LLW	Inventory Changes	Pass		CWC
RHZ-103-A14852	103A	LLW	Inventory changes required	Pass	NMW-OVERPACK	CWC
RHZ-103-A14855	103A	LLW		Pass		CWC
RHZ-103-A14856	103A	LLW	Light bulb/removed	Pass	PAPERWORK	T-Plant
RHZ-103-A14858	103A	LLW		Pass		CWC
RHZ-103-A14863	103A	LLW		Pass		CWC
RHZ-103-A14864	103A	LLW		Pass		CWC
RHZ-103-A14865	103A	LLW		Pass		CWC
RHZ-103-A14866	103A	LLW	Containerized liquids	Fail	TO PROCESS	T-Plant
RHZ-103-A14891	103A	LLW		Pass		CWC
RHZ-103-A14892	103A	LLW		Pass		CWC
RHZ-103-A14893	103A	TRU		Pass		CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A14894	103A	LLW		Pass		CWC
RHZ-103-A14895	103A	LLW	Aerosol Can (Pressurized) ??	Pass	PAPERWORK	T-Plant
RHZ-103-A14896	103A	LLW		Pass		CWC
RHZ-103-A13587	103B	TRU	Battery	Pass	CAUSTIC	CWC
RHZ-103-A13588	103B	LLW		Pass		CWC
RHZ-103-A13589	103B	LLW	Containerized Liquid	Hold	TO PROCESS	T-Plant
RHZ-103-A13595	103B	LLW		Pass		CWC
RHZ-103-A13597	103B	LLW	light bulb	Pass	OMW	CWC
RHZ-103-A13598	103B	LLW	2 possible lead sheet pieces	Pass	OMW	CWC
RHZ-103-A13643	103B	TRU	Containerized Liquid	Fail	TO PROCESS	T-Plant
RHZ-103-A13644	103B	TRU	Suspect Lead	Pass	OMW-OVERPACK	CWC
RHZ-103-A13645	103B	LLW	Liquid Type	Pass	OVERPACK	CWC
RHZ-103-A13646	103B	LLW	Containerized Liquid	Fail	TO PROCESS	T-Plant
RHZ-103-A13647	103B	LLW		Pass		CWC
RHZ-103-A13677	103B	LLW	>1% Free Liquid	Pass	PAPERWORK	T-Plant
RHZ-103-A13678	103B	TRU		Pass		CWC
RHZ-103-A13679	103B	LLW	Lead Containing article (light bulb)	Pass	OMW	CWC
RHZ-103-A13685	103B	LLW		Pass		CWC
RHZ-103-A13686	103B	LLW	Suspect Lead Solder	Pass	OMW	CWC
RHZ-103-A13697	103B	LLW		Pass		CWC
RHZ-103-A13698	103B	TRU	Lead shielding	Pass	OMW-OVERPACK	CWC
RHZ-103-A13699	103B	LLW	Lead strongly suspected	Pass	OMW-OVERPACK	CWC
RHZ-103-A13700	103B	LLW		Pass		CWC
RHZ-103-A13701	103B	LLW		Pass		CWC
RHZ-103-A13702	103B	TRU		Pass		CWC
RHZ-103-A13703	103B	TRU		Pass		CWC
RHZ-103-A13704	103B	LLW		Pass		CWC
RHZ-103-A13706	103B	LLW		Pass		CWC
RHZ-103-A13709	103B		NO VENT CLIP			LLBG

OMW Other Mixed Waste
NMW Non-Mixed Waste
OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A13710	103B	LLW		Pass		CWC
RHZ-103-A13712	103B	LLW		Pass		CWC
RHZ-103-A13713	103B	LLW		Pass		CWC
RHZ-103-A13714	103B	LLW		Pass		CWC
RHZ-103-A13715	103B		NO VENT CLIP			LLBG
RHZ-103-A13716	103B	LLW	Battery	Pass	CAUSTIC	CWC
RHZ-103-A13717	103B	LLW	Inventory	Pass	NMW-OVERPACK	CWC
RHZ-103-A13718	103B	LLW	Aerosol, Battery, lead, containerized liquid	Fail*	TO PROCESS	T-Plant
RHZ-103-A13719	103B	LLW		Pass		CWC
RHZ-103-A13720	103B	LLW		Pass		CWC
RHZ-103-A13721	103B	LLW		Pass		CWC
RHZ-103-A13725	103B	LLW	Batteries	Pass	CAUSTIC	CWC
RHZ-103-A13726	103B	LLW	Inventory Fixes	Pass	NMW	CWC
RHZ-103-A13727	103B	LLW	6 "D" Batteries	Pass	CAUSTIC	CWC
RHZ-103-A13728	103B	LLW	Inventory Changes	Pass		CWC
RHZ-103-A13775	103B	TRU	9Volt Battery	Pass	CAUSTIC	CWC
RHZ-103-A13777	103B	TRU	Hepa Filter status	Hold*		224T
RHZ-103-A13778	103B	TRU		Pass		CWC
RHZ-103-A13779	103B	LLW	Combo. Filters (3)	Pass	NMW	CWC
RHZ-103-A13781	103B	TRU	Containerized Liquids, poss lead, aerosol can	Fail*	TO PROCESS	T-Plant
RHZ-103-A13783	103B	LLW	Lead containing articles (fuses)	Pass	OMW	CWC
RHZ-103-A13784	103B	LLW		Pass		CWC
RHZ-103-A13785	103B	LLW	Free Liquids	Pass	NMW-OVERPACK	CWC
RHZ-103-A13786	103B	LLW		Pass		CWC
RHZ-103-A13791	103B	TRU	>1% Free Liquid	Fail*	OVERPACK	CWC
RHZ-103-A13792	103B	LLW		Pass		CWC
RHZ-103-A13801	103B	LLW		Pass		CWC
RHZ-103-A13802	103B	LLW	Inventory Fixes	Pass	NMW	CWC
RHZ-103-A13803	103B	LLW	Containerized Liquid/Possible Battery	Fail	TO PROCESS	T-Plant

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A13804	103B	LLW	Inventory Fixes	Pass	NMW	CWC
RHZ-103-A13805	103B	LLW	Possible Lead	Hold*		224T
RHZ-103-A13806	103B	LLW	Containerized Liquids	Fail	TO PROCESS	T-Plant
RHZ-103-A13807	103B	LLW	Containerized Liquid	Fail	TO PROCESS	T-Plant
RHZ-103-A13808	103B	LLW		Pass		CWC
RHZ-103-A13809	103B	LLW	Inventory changes	Pass	NMW	CWC
RHZ-103-A13812	103B	LLW	Light bulb, battery, wristwatch, syringe w/liquid	Fail*		224T
RHZ-103-A13814	103B	LLW		Fail	TO PROCESS	T-Plant
RHZ-103-A13815	103B	LLW		Pass		CWC
RHZ-103-A13816	103B	LLW	Scott Brand Mask Filter	Pass	NMW	CWC
RHZ-103-A13817	103B	LLW	Circuit Brd (containing lead)	Pass	OMW	CWC
RHZ-103-A13818	103B	LLW		Pass		CWC
RHZ-103-A13824	103B	LLW		Pass		CWC
RHZ-103-A13827	103B	LLW		Pass		CWC
RHZ-103-A13828	103B	LLW	Lead Disc (approx. 6")	Pass	OMW	CWC
RHZ-103-A13830	103B	LLW		Pass		CWC
RHZ-103-A13831	103B	LLW		Pass		CWC
RHZ-103-A13834	103B	LLW	combination mask filters	Hold*		224T
RHZ-103-A13835	103B	LLW	Aerosol can (approx. 3 to 4 oz.)	Fail	PAPERWORK	T-Plant
RHZ-103-A13836	103B	LLW	NO VENT CLIP			LLBG
RHZ-103-A13837	103B	LLW	possible pressurized container	Fail*	PAPERWORK	T-Plant
RHZ-103-A13838	103B	LLW	Light bulb	Pass	OMW	CWC
RHZ-103-A13859	103B	LLW		Pass		CWC
RHZ-103-A13860	103B	LLW	NOTE: Metal ~50%	Pass		CWC
RHZ-103-A13861	103B	LLW		Pass		CWC
RHZ-103-A13862	103B	LLW	Approx. 2x5" lead	Pass	OMW	CWC
RHZ-103-A13923	103B	TRU		Pass		CWC
RHZ-103-A13926	103B	LLW		Pass		CWC
RHZ-103-A13927	103B	LLW				CWC

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked

Attachment 1
Container-Specific Summary

HNF-SD-WM-RPT-287, Rev. 0

PIN #	STREAM	ASSAY	ISSUE	STATUS	COMMENTS	LOCATION
RHZ-103-A13929	103B	LLW	Aerosol can (no puncture/press??)	Fail*	PAPERWORK	T-Plant
RHZ-103-A13930	103B	LLW		Pass		CWC
RHZ-103-A13940	103B	LLW		Pass		CWC
RHZ-103-A13941	103B	TRU	Possible Battery	Pass	CAUSTIC	CWC
RHZ-103-A13946	103B	LLW		Pass		CWC
RHZ-103-A13949	103B	LLW	>1% free liquid	Pass	NMW-OVERPACK	CWC
RHZ-103-A13951	103B	LLW	Containerized Liquids	Pass	PAPERWORK	T-Plant
RHZ-103-A13952	103B	LLW	Free liquid >1% (approx. 1 1/2 gallon)	Pass	NMW-OVERPACK	CWC
RHZ-103-A13954	103B	TRU		Pass		CWC
RHZ-103-A13958	103B	LLW	OIL?	Hold*		224T
RHZ-103-A14016	103B	LLW	>1% Free Liquids	Pass	NMW-OVERPACK	CWC
RHZ-103-A14018	103B	LLW	Suspect Lead Shavings	Pass	OMW	CWC
RHZ-103-A14237	103B	LLW		Pass		CWC
RHZ-103-A14238	103B	TRU	Containerized liquid	Hold	TO PROCESS	T-Plant
RHZ-103-A14239	103B	LLW	Lead Bricks	Pass	OMW	CWC
RHZ-103-A14240	103B	LLW	Suspect Lead Flakes/Chips	Pass	OMW	CWC
RHZ-103-A14241	103B	LLW		Pass		CWC
RHZ-103-A14242	103B	LLW		Pass		CWC
RHZ-103-A14278	103B	LLW		Pass		CWC
RHZ-103-A14279	103B	TRU		Pass		CWC
RHZ-103-A14287	103B	LLW	Suspect lead	Pass	OMW	CWC
RHZ-103-A14290	103B	LLW	Hepa Filter	Hold*		224T
RHZ-103-A14441	103B	LLW		Pass		CWC
RHZ-103-A14442	103B	LLW		Pass		CWC
RHZ-103-A14826	103B	LLW		Pass		CWC
RHZ-103-A14827	103B	LLW		Pass		CWC
RHZ-103-A14828	103B	LLW		Pass		CWC
RHZ-103-A14829	103B	LLW	Containerized liquid/Removed	Pass	PAPERWORK	T-Plant

OMW Other Mixed Waste

NMW Non-Mixed Waste

OP Overpacked