

Meeting Minutes Transmittal

LIQUID PROCESSING AND CAPSULE STORAGE

Project Managers Meeting

825 Jadwin/Room 590A

Hanford, Washington

January 27, 2005

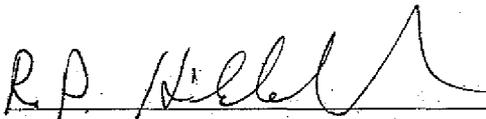
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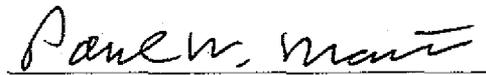
The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting. Signatures denote concurrence with content only and are not intended to imply agreement to any commitments.


Project Manager, Ecology

Date: 2-23-05


Project Manager Representative, RL

Date: 2-23-05


Project Manager Representative, FH WMP

Date: 2/23/05

200 LPCS Administrative Record	H6-08
RD Hildebrand	A6-38
DG Singleton	H0-57
KA Conaway	H0-57
RW Szelmezcza	S6-72

**LIQUID PROCESSING AND CAPSULE STORAGE
PROJECT MEETING
825 Jadwin/Room 590A
Hanford, Washington
January 27, 2005**

11:30 a.m. to 12:00 p.m.

Agenda

- I. Approval of December 16, 2004 Liquid Processing And Capsule Storage Project Meeting Minutes (Ecology/DOE-RL/FH)
- II. Operational Status
- III. Project Specific Issues
 - A. Delisting Petition
 - B. Status of RCRA Permit Revisions
 - C. 310/340 Status
 - D. ST4502 Permit Status
- IV. General Discussions
 - A. Status of Applicable Milestones
 - B. LERF
 - C. 340 Facility Complex LDR Storage Assessment/Data Gap Plan
- V. Status of Actions
- VI. New Action Items
- VII. Next Project Managers Meeting

LIQUID PROCESSING AND CAPSULE STORAGE
PROJECT MEETING MINUTES

Project Managers Meeting
825 Jadwin/Room 590A
Hanford, Washington

January 27, 2005

- I. Approval of December 16, 2004 Liquid Processing and Capsule Storage Project Meeting Minutes (Ecology/DOE-RL/FH). Note: The October 28 and December 16, 2004 PMM minutes are being retained by RL for signature.

- II. Operational Status (Roger Szelmeczka FH)
 - A. LIQUID EFFLUENT RETENTION FACILITY (LERF)
Waste Inventory (1/03/05)
 - Basin 42 - Liquid Level: 7.0 ft or 1.5 Mgal
 - Basin 43 - Liquid Level: 19.3 ft or 6.2 Mgal (Receiving UP-1 groundwater at 49 gpm)
 - Basin 44 - Liquid Level: 16.2 ft or 4.7 Mgal
 - Received 17 tanker shipments during December
 - Basin 42 received 49,000 gallons wastewater from the 207-SL Basin
 - Basin 44 received 34,000 gallons from 190-DR
 - Basin 44 received 4000 gallons from the Cold Vacuum Drying Facility

 - EFFLUENT TREATMENT FACILITY (ETF)
 - ETF is in a scheduled maintenance outage

 - 200 AREA TREATED EFFLUENT DISPOSAL FACILITY (TEDF)
 - Receiving wastewater at 49 gpm

 - 300 AREA TREATED EFFLUENT DISPOSAL FACILITY (310 TEDF)
 - Operating normally

 - 340 COMPLEX
 - No problems

- III. Project Specific Issues
 - A. Delisting Petition
 1. Jeannette Hyatt (FH) stated that she contacted Dave Bartus (EPA) to discuss the status of the delisting petition and has not received a reply.

 - B. Status of RCRA Permit Revisions
 1. A discussion was held regarding the closure plan for the ETF/LERF permit. One approach suggested removal of the piping for disposal instead of attempting clean closure. Jeanne Wallace (Ecology) noted that the closure plan for the 324 building was changed to complete removal of all the piping. Tony Miskho (FH) will review the draft language in the 324 closure plan and provide proposed language to the closure plan for piping.

C. 310/340 Status

1. Mr. Szelmeczka stated that the 310 facility is still waiting for the NPDES permit from EPA.
2. Mr. Miskho stated that the LDR assessment for the 340 complex was sent to Ecology on January 13, 2005. Ms. Wallace acknowledged receipt of the assessment. Mr. Miskho stated that at the last LDR PMM, Ecology indicated a compliance inspection of the 340 complex will be initiated. Mr. Miskho provided a draft table of the proposed changes to the LDR report as a result of the LDR assessment.
3. Mr. Szelmeczka reported that the Department of Health is in the process of approving the downgrade of the 340 stack from a major to a minor stack, which will significantly reduce the surveillance and maintenance of the stack. Mr. Szelmeczka will provide a draft copy of the surveillance and maintenance plan at the next PMM.

D. ST4502 Permit Status

1. Mr. Szelmeczka reported that there are some new potential waste streams since the ST4502 permit reapplication was submitted. There have been some problems with iron in the piping, and a study may be performed in an attempt to address the problem. Kathy Conaway stated that the permit renewal could be put on hold if necessary to provide an opportunity to submit additional information.

IV. General Discussions

A. Status of Applicable Milestones

1. There were no milestones to discuss.

B. LERF

1. A discussion on Chapter 5 (groundwater) of the LERF permit was held. Kathy Conaway (Ecology) stated that Ecology is still developing permit conditions associated with Chapter 5. Mr. Hildebrand (RL) asked if the information could be provided by April 2005. Ms. Conaway responded that the date could be noted, and she would work on it when she returned to work in March (Ms. Conaway will be gone for the month of February).

C. 340 Facility Complex LDR Storage Assessment/Data Gap Plan

1. This topic was discussed under project specific issues.

V. Status of Actions

- A. 709 - No change in status.
- B. 1129 - A meeting was held January 6, 2005.

VI. New Action Items

- A. Tony Miskho will provide draft closure plan language for ETF/LERF to Ecology. Mr. Miskho will review the draft closure plan language for the 324 building.
- B. Mr. Szelmeczka will provide a copy of the draft surveillance and maintenance plan for the 340 complex at the next PMM.

VII. Next Project Managers Meeting

- A. The next PMM was scheduled for February 24, 2005.

Environmental Request Information System

Task Status Report

Group by Facility

Filtered on: Status = Open; Category = PMM

Liquids Processing & Capsule Storage

Task ID: 1129 Set up a meeting with Ecology to discuss LERF.

Task Lead: Hildebrand, Doug

Waste Stabilization and Disposition/Liquids Processing & Capsule Storage

POC: Szelmezcza, Roger

Classification: Open

Category: PMM

	Project	DOE	Agency
Due:	N/A	N/A	N/A
Complete:	N/A	N/A	N/A

Closed Date:

Description: Set up a meeting with Ecology to discuss LERF.

Date	Status
1/27/2005	A meeting was held January 6, 2005.
12/16/2004	A meeting is tentatively scheduled for January 6, 2005.
10/28/2004	Task opened.

Task ID: 1240 Provide draft closure plan language for ETF/LERF to Ecology

Task Lead: Miskho, Tony

Waste Stabilization and Disposition/Liquids Processing & Capsule Storage

POC: Szelmezcza, Roger

Classification: Open

Category: PMM

	Project	DOE	Agency
Due:	N/A	N/A	N/A
Complete:	N/A	N/A	N/A

Closed Date:

Description: Provide draft closure plan language for ETF/LERF to Ecology and review the draft closure plan language for the 324 building.

Date	Status
1/27/2005	Task opened.

Task ID: 1241 Provide a copy of the draft surveillance and maintenance plan for the 340 complex

Task Lead: Szelmezcza, Roger

Waste Stabilization and Disposition/Liquids Processing & Capsule Storage

POC: Szelmezcza, Roger

Classification: Open

Category: PMM

	Project	DOE	Agency
Due:	N/A	N/A	N/A
Complete:	N/A	N/A	N/A

Closed Date:

Description: Provide a copy of the draft surveillance and maintenance plan for the 340 complex at the next PMM.

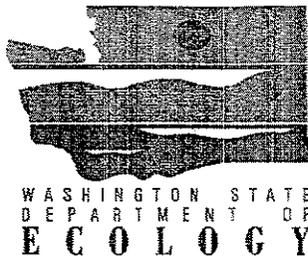
Date	Status
1/27/2005	Task opened.

Table C-2. Potential Mixed Waste: CY2004 340 Facility Complex proposed changes.

A	B	C	D	E	F	G	H
Company, project	Common name or description	Facility number	Solid waste, with potential for mixed waste, not integral to the building or structure (no use)	Materials, with potential to become solid waste and subsequently mixed waste (in standby, possible use)	DOE assessment of storage methods	Schedule information	Integrating factors
Fen Simmons	Waste Neutralization Facility (340-Vault Tanks, Decon. Room, Control Room, Records, and Truck Dock)	340	340 Vault tank heels and clean out residues and associated equipment (valves, piping, pumps, light fixtures) may designate as MW.	Contents of flammable cabinet located within the contamination area in 340. If the contents cannot be recycled, they will be disposed of as MLLW. <u>None.</u>	DOE assessment: Initiated 4 th quarter CY 2003, Completed 4 th quarter CY 2004.	Potential MW disposition will be performed in accordance with Tri-Party Agreement milestone M-094-00, Complete Disposition of 300 Area Surplus Facilities (due 9/30/2018). Data gap plan: Completed 4 th quarter CY 2004. Starting negotiations: Completed as part of the River Corridor negotiations	The schedule information in Column G is subject to change in accordance with Section 12.0, <i>Changes to the Agreement</i> , of the Tri-Party Agreement Action Plan.
Fen Simmons	340-A Above Ground Storage Tanks	340A	340-A Tanks clean out residues and associated equipment (valves, piping, pumps, light fixtures) may designate as MW.	None	DOE assessment: Initiated 4 th quarter CY 2003	Potential MW disposition will be performed in accordance with Tri-Party Agreement Milestone M-094-00, Complete Disposition of 300 Area Surplus Facilities (due 9/30/2018). Data gap plan: 4 th quarter CY 2004 Starting negotiations: Negotiations completed as part of the River Corridor Project	The schedule information in Column G is subject to change in accordance with Section 12.0, <i>Changes to the Agreement</i> , of the Tri-Party Agreement Action Plan.

Table C-2. Potential Mixed Waste: CY2004 340 Facility Complex proposed changes.

A	B	C	D	E	F	G	H
Company, project	Common name or description	Facility number	Solid waste, with potential for mixed waste, not integral to the building or structure (no use)	Materials, with potential to become solid waste and subsequently mixed waste (in standby, possible use)	DOE assessment of storage methods	Schedule information	Integrating factors
Fen Simmons	Waste load-out bldg.	340B	Process piping and ancillary equipment clean-out residues may designate as MW. A large low-level waste box contains light bulbs that need to be removed. If the light bulb cannot be removed the box will be disposed of as MLW, otherwise plans are to remove and recycle the bulb.	None	DOE assessment: Initiated 4 th quarter CY 2003	Potential MW disposition will be performed in accordance Tri-Party Agreement Milestone M-094-00, Complete Disposition of 300 Area Surplus Facilities (due 9/30/2018) Data gap plan: 4 th quarter CY 2004 Starting negotiations: Completed during River Corridor negotiations	The schedule information in Column G is subject to change in accordance with Section 12.0, <i>Changes to the Agreement</i> , of the Tri-Party Agreement Action Plan.
Fen Simmons	300-RLWS	RLWS	Isolated radioactive liquid waste sewer piping and ancillary equipment residues may designate as MW.	None	DOE assessment: Initiated 4 th quarter CY 2003	Potential MW disposition will be performed in accordance with M-016-00, Complete All Interim 300 Area Remedial Actions to Include Confirmatory Sampling of all Candidate Sites in the 200 FF-2 ROD, (due 09/30/2018) Data gap plan: 4 th quarter CY 2004 Starting negotiations: Completed as part of the River Corridor negotiations.	The schedule information in Column G is subject to change in accordance with Section 12.0, <i>Changes to the Agreement</i> , of the Tri-Party Agreement Action Plan.



Washington State Department of Ecology
Nuclear Waste Program
Hanford Project

Document Receipt Verification

ADDRESSEE: ERIC VAN MASON

RECEIVER SIGNATURE: *Sonia Mendiza*

DATE/TIME DELIVERED: Thursday, January 13, 2005 11:00 AM

DOCUMENT TITLE:

ASSESSMENT #WM-LP-EP-04-MA-103

Date Received for Clearance Process (MM/YY/DD)

01/13/05

INFORMATION CLEARANCE FORM

REG-0409

A. Information Category

- Abstract, Summary, Visual Aid, Full Paper, Journal Article, Internet, Software, Report, Other Assessment

B. Document Number WM-LP-Ep-04-MA-103

Rev. 0

C. Title Land Disposal Restrictions (340 West Handling Facility)

(to Ecology)

D. Internet Address

E. Required Information

1. Is document potentially Classified? No Yes (MANDATORY)

Signature of Jeannette E. Hyatt

Manager's Signature Required

If Yes No Yes Classified ADC Signature Required

2. References in the Information are Applied Technology No Yes

Export Controlled Information No Yes

3. Does Information Contain the Following: (MANDATORY)

a. New or Novel (Patentable) Subject Matter? No Yes

If "Yes", Disclosure No.:

b. Information Received in Confidence, Such as Proprietary and/or Inventions?

No Yes If "Yes", Affix Appropriate Legends/Notices.

c. Copyrights? No Yes If "Yes", Attach Permission.

d. Trademarks? No Yes If "Yes", Identify in Document.

4. Is Information requiring submission to OSTI? No Yes

5. Release Level? Public Limited

F. Complete for a Journal Article

1. Title of Journal

G. Complete for a Presentation

1. Title for Conference or Meeting

2. Group Sponsoring

3. Date of Conference

4. City/State

5. Will Information be Published in Proceedings? No Yes

6. Will Material be Handed Out? No Yes

H. Author/Requestor

Responsible Manager

Fen M. Simmons (Print and Sign)

Signature of Fen M. Simmons dated 1-4-05

Jeannette E. Hyatt (Print and Sign)

Signature of Jeannette E. Hyatt dated 4 Jan 05

I. Reviewers

Yes Print

Signature

Public Y/N (If N, complete J)

General Counsel

Yes

Leland Willis

Signature of Leland Willis

Y / N

Office of External Affairs

No

Y / N

DOE-RL

Yes

R. D. Hildebrand

Signature of R. D. Hildebrand

Y / N

Other

Yes

M. Spracklen

(See Pg. 2)

Y / N

Other

No

Y / N

J. If Information includes Sensitive Information and is not to be released to the Public indicate category below.

Information Clearance Approval

- Applied Technology, Personal/Private, Proprietary, Business-Sensitive, Predecisional, UCNI, Protected CRADA, Export Controlled, Procurement-Sensitive, Patentable, Other (Specify)



K. If Additional Comments, Please Attach Separate Sheet

Pg. 1/2

INFORMATION CLEARANCE FORM

REG-0409

Date Received for Clearance Process (MM.YY/DD)

A. Information Category

- Abstract
- Summary
- Visual Aid
- Full Paper
- Other Assessment
- Journal Article
- Internet
- Software
- Report

B. Document Number WM-LP-EP-04-MA-103

Rev 10

C. Title
Land Disposal Restrictions (340 West Handling Facility)

D. Internet Address

E. Required Information

1. Is document potentially Classified? No Yes (MANDATORY)

Jeannette E. Hvatt
Manager's Signature Required

If Yes No Yes Classified
ADC Signature Required

2. References in the Information are Applied Technology No Yes

Export Controlled Information No Yes

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1. Title of Journal

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H. Author/Requestor

Responsible Manager

Fen M. Simmons *Fen M. Simmons 1-4-05*
(Print and Sign)

Jeannette E. Hvatt *Jeannette E. Hvatt*
(Print and Sign) 4 Jan 05

I. Reviewers

Yes Print

Signature

Public Y/N (If N, complete J)

General Counsel

Leland Willis

Leland Willis

Y / N

Office of External Affairs

Y / N

DOE-RL

R. D. Hildebrand

Y / N

Other

M. Spracklen

M. Spracklen

Y / N

Other

Y / N

J. If Information Includes Sensitive Information and is not to be released to the Public indicate category below.

Information Clearance Approval

- Applied Technology
- Personal/Private
- Proprietary
- Business-Sensitive
- Predecisional
- UONI
- Protected CRADA
- Export Controlled
- Procurement-Sensitive
- Patentable
- Other (Specify) _____

K. If Additional Comments, Please Attach Separate Sheet

Pg. 2/2

LPCS Management Assessment

Land Disposal Restrictions (340 Waste Handling Facility)

A management assessment (MA) of the 340 Waste Handling Facility was initiated in October of 2003 and completed during the 4th quarter of calendar year (CY) 2004. This report discusses the purpose and results of the assessment.

ASSESSMENT PLAN

Purpose and Scope

An assessment of Land Disposal Restricted (LDR) mixed waste (MW) and potential mixed waste (PMW) was conducted by the Environmental staff on the 340 Waste Handling Facility with support from the Environmental Protection group. This assessment was to determine the accuracy of the information reported in the annual land disposal restrictions (LDR) Report. The latest report is the *Calendar Year 2003 Hanford Site Mixed Waste Land Disposal Restrictions Report* (DOE/RL-2004-07). The assessment is required by the annual LDR Report.

The scope of the assessment is to validate the status of MW and PMW matrices in the 340 Waste Handling Facility, which consists of 340, 340-A, 340-B, 340 Vault, and 300 Area radioactive liquid waste system (RLWS). The outcome of the assessment will identify any other material that should be considered MW or a PMW and thus be included in the LDR report, or to determine whether matrices currently being reported in the LDR Report be removed from the LDR Report.

Assessment Personnel

F. M. Simmons, Environmental Compliance Officer (ECO)

A. Miskho, LDR Report Coordinator, Environmental Protection

Assessment Schedule

The assessment is to be conducted between October 2003 and December 2004.

Performance Objectives

The objective of this assessment is two-fold:

- Determine if MW or PMW exist at the 340 Waste Handling Facility that have not been previously identified in the LDR report.
- Determine if any of the 340 Waste Handling Facility components can be removed from the LDR Report.

Source Documents:

DOE/RL-2004-07, *Calendar Year 2003 Hanford Mixed Waste Land Disposal Restrictions Report*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Ecology, EPA, DOE, *Hanford Federal Facility Agreement and Consent Order*, as amended, Washington State Department of Ecology, U.S. Environmental Protection Agency, U.S. Department of Energy.

40 CFR 268, *Land Disposal Restrictions*, Subpart E, Prohibition on Storage.

WAC 173-303, *Dangerous Waste Regulations*, Section 140, Land Disposal Restrictions.

340-SV-002, *Perform 340 Facility Surveillance*.

HNF-2230, *340 Waste Handling Complex: Deactivation Project Management Plan*.

Assessment Methodology

The methods used for this assessment were a combination of document review, waste forecast review, photo review, interviews, and visual inspection. The areas within 340, 340-A, 340-B, and 300-RLWS were walked down and inspected visually where possible. The 340 vault was inspected based on photos taken previously inside the vault.

Executive Summary

No additional mixed wastes were found in 340, 340-A, 340-B, 340 Vault, or the 300-RLWS. The 5X5X9 metal box containing the mixed waste in 340 has been shipped to T Plant where it will be repackaged. The partially used chemicals found inside the contamination area (CA) in 340 have either been removed to the recycle accumulation area at LPCS or will be used by the maintenance group at LPCS. These items can be removed from the PMW Table for the CY2004 report.

No PMW was identified in either 340-A, 340-B, or 300-RLWS. Since these tanks/lines and associated piping were flushed with water after waste transfers, these buildings can be removed from the PMW table for the CY2004 report.

ASSESSMENT RESULTS

The 340 Waste Handling Facility is located on the Hanford site in the 300 Area. It has historically provided the capability for receipt, temporary storage and shipment of radioactive and mixed liquid wastes. Operations were terminated in October of 1998 and only residual mixed wastes below practical removal levels remain in vault tanks. The 340 Waste Handling Facility has been maintained in a safe state since that time and the radioactive liquid waste transfer lines have been isolated.

The 340 Waste Handling Facility consists of several buildings. They are 340, 340-A, 340-B, and 340-Vault. The function of each facility is summarized as follows:

- 340 Building/annex -- includes a control room, decontamination area, mechanical equipment room, change and rest rooms, truck lock area, and an operator's office.
- 340-A houses six 30-kL (8,000-gal) above ground storage (AGS) tanks that were used as auxiliary radioactive liquid waste (RLW) storage space. The RLW was pumped up from the vault tanks to these AGS tanks as necessary, and later gravity drained back for transfer to tank farms. The tanks are vented through the Vault filter system. The tanks were emptied, rinsed, and isolated in 1998. The facility was assessed via limited walk down and review of in tank photographs. No issues were noted for this facility. Since the tanks and associated piping were rinsed and are empty, they do not designate as PMW and can be removed from the PMW Table in the LDR report.

- 340-B Building. The East side of the building was used for RLW load-outs via railroad tank cars. This activity ceased in 1998. The West side is used for radioactive solid waste storage, and also houses the air filtration system for the east side. This facility was assessed via walk down. No issues were noted with this component. The PMW components discussed in the LDR report are process piping and ancillary equipment clean out residues. Since RLW transfers historically included water flushes after waste transfers, the cleanout residues associated with the process piping and ancillary equipment do not designate as PMW and can be removed from the PMW Table in the LDR.
- 340 Vault is a below grade concrete room which contains two 57-kL (15,000-gal) tanks. The tanks were used for temporary RLW storage prior to RLW being transferred to Tank Farms via 340-B. The tanks were emptied to minimal heel in 1998 and all operational waste transfer activities involving the tanks have permanently ceased. A sample of the tank heel was done on March 31, 1998 and the analysis is included in Table 1 of the Data Gap Plan. The *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone M-92-16 associated with these tank heels is complete per letter 03-RCA-0369 from K. A. Klein to D. B. Van Leuven, dated September 9, 2003. Since the milestone includes material from 324, 325, and 327, the milestone cannot be closed out with Ecology until all these portions have been addressed. Removal of the heels, if pursued, will be carried out by the River Corridor contractor subsequent to the FH contract period. This component was assessed via photo images only, due to high dose rates from existing contamination, as well as confined space and fall hazards. No issues were noted with the 340 Vault. Due to the MW in the tank heels below practicable removal levels, this will remain on the PMW table in the LDR Report. However, the common name or description listed in column B of the PMW table in the LDR Report needs to be changed to reflect only the 340-Vault tanks. It should not include the Control Room, Records, and Truck Lock.
- The 300-RLWS was flushed and is isolated. The piping and ancillary equipment residues do not designate as PMW and can be removed from the PMW table in the LDR Report.

Current Building Status

The buildings in the 340 Waste Handling Facility are currently managed under the Fluor Hanford (FH) Waste Disposal Project/Groundwater Protection Project. Each of the buildings is unoccupied and is only entered on an infrequent basis to perform surveillances or preventive maintenance activities on the few, still active systems (HVAC, compressed air/tank level instrumentation, etc.).

There is no RCRA Part A, Form 3, Dangerous Waste Permit Application for the 340 Waste Handling Facility. When the 340 Waste Handling Facility was operational, the tank system was managed under the generator provisions for a 90-day tank system in WAC 173-303-200(1)(b). The 340 Waste Handling Facility is anticipated to be dispositioned under the *Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980* processes of the Tri-Party Agreement. Per Tri-Party Agreement Milestone M-94-00, these buildings will be completely dispositioned by September 30, 2018.

ASSESSMENT OBSERVATIONS

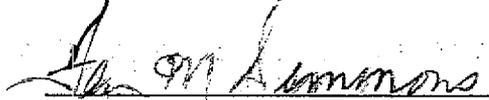
This section contains observations that describe the condition found, supported by specific facts. These observations can be positive or negative, and form the basis for corrective action and/or improvement opportunities.

1. No additional MW or PMW matrices were identified in the assessment.
2. It was determined that 340-A, 340-B, and 300-RLWS can be removed from the PMW table since the tanks and associated piping were rinsed and there will be no PMW cleanout residues.

RECOMMENDATIONS

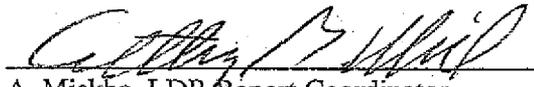
Update the LDR report in the next annual update to include the "Remove 340-A, 340-B, and 300-RLWS" from Volume 1, Appendix C, Table C-2.

Management Assessment by:



F. M. Simmons, ECO

12-16-04
Date



A. Miskho, LDR Report Coordinator

12/16/04
Date

DATA GAP PLAN

This section fulfills the requirements of a Data Gap Plan, pursuant to the Tri-Party Agreement under Milestone M-26-01¹. Accordingly, a data gap plan must contain the following:

- What you know and what you don't know
- What you need to know
- Why the level of unknowns is acceptable or not acceptable from a safety basis for the interim until action is planned or that more information is needed to make this determination.

The above Data Gap Plan elements need to be addressed for the MW and the PMW matrices identified by the LDR storage assessment². The 314, 333, and 3708 Buildings LDR storage assessment validated the following PMW matrices listed in the CY2002 LDR Report:

Potential Mixed Waste Matrices
340-Vault tank heels and clean out residues and associated equipment.
340-A tanks clean out residues and associated equipment.
340-B Process piping and ancillary equipment clean out residues.
300-RLWS Isolated radioactive liquid waste sewer piping and ancillary equipment residues.

What you know and what you don't know

The information presented in this section was obtained from the LDR storage assessment. No additional project evaluation information is presented.

340-Vault tank heels and clean out residues and associated equipment.

The LDR storage assessment found no indication of mixed waste in the Control Room, Records or Truck Lock. These should be deleted in Volume 1, Appendix C, column B of Table C-2 in the next annual update of the LDR report. In addition, Column D of Table C-2 the term associated equipment should be changed to "ancillary equipment-vault tank sampling lines, decon sample hood drain, decon sump, decon sump pump, and pumps/valves in valve pit and vault."

¹ Letter, Alan E. Hopko, RL, to E. K. Thompson, FH, "Contract No. DE-AC06-96RL13200 – Annual Land Disposal Restriction (LDR) Report Requirements and Notification to Conduct Assessments," 02-WMD-213, #0202987, dated June 25, 2002.

² Letter, Sally A. Sieracki, RL, to E. K. Thompson, FH, "Contract No. DE-AC06-96RL13200 – Resource Conservation and Recovery Act (RCRA) Assessment – A&E-SEC-02-009," 02-PMO-0003, #0203878, dated August 19, 2002.

340-A tank clean out residues and associated equipment.

The LDR storage assessment concluded that the existing entry in the LDR Report PMW Table is incorrect. Documentation describing past operations in the facility indicate that the tanks and piping were rinsed and there is no potential for mixed waste to be present in the tanks and associated equipment.

340-B process piping and ancillary equipment clean out residues.

The LDR storage assessment concluded that the existing entry in the LDR Report PMW Table is incorrect. Documentation describing past operations in the facility indicate that piping was historically flushed with water following transfers and there is no potential for mixed waste to be present.

300-RLWS isolated radioactive liquid waste sewer piping and ancillary equipment residues.

The 300-RLWS lines were flushed following each waste transfer to 340. The lines were subsequently blanked at the generator end to prevent addition of unwanted material. Therefore, there is no potential for mixed waste to be present.

What you need to know

The information for this item contains the information needed to approach the Tri-Party Agreement lead regulatory agency project manager (Ecology in this case) in order to have discussions on the MW and PMW matrices.

340 Vault tank heels and clean out residues and associated equipment

- 340-Vault tank heels and clean out residues and associated equipment. The potential mixed waste in the tank heels, clean out residues and associated equipment will be characterized as necessary and managed as part of the overall decommissioning and demolition process under Tri-Party Agreement Milestone M-94-00. Characterization may be based on the sample taken from the tank heels in 1998 to minimize exposure to personnel. Sample results of the 1998 sample are shown in Table I.
- Decon Room, Control Room, Records or Truck Lock. Not applicable. These areas do not contain mixed waste matrices. The Decon Room, Control Room, Records or Truck Dock do not meet the LDR reporting criteria and can be removed from the CY2004 LDR Report Potential Mixed Waste Table.

340-A tanks clean out residues and associated equipment.

Not applicable. The 340-A tanks clean out residues and associated equipment do not contain mixed waste matrices. Since they do not meet the LDR reporting criteria, they can be removed from the CY2004 LDR Report Potential Mixed Waste Table.

340-B process piping and ancillary equipment clean out residues.

Not applicable. The 340-B process piping and ancillary equipment clean out residues do not contain mixed waste matrices. Since they do not meet the LDR reporting criteria, they can be removed from the CY2004 LDR Report Potential Mixed Waste Table.

300-RLWS isolated radioactive liquid waste sewer piping and ancillary equipment residues.

Not applicable. The isolated radioactive liquid waste sewer piping and ancillary equipment residues do not contain mixed waste matrices. Since they do not meet the LDR reporting criteria, they can be removed from the CY2004 LDR Report Potential Mixed Waste Table.

Why the level of unknowns is acceptable or not acceptable from a safety basis for the interim until action is planned or that more information is needed to make this determination.

The level of unknowns regarding the PMW matrices will not result in any concerns regarding the safe management of the matrices. Sufficient information exists so that there are no likely concerns about ignitable, reactive, or incompatible matrix properties. The project's scheduled activities will be discussed with the Tri-Party Agreement lead regulatory agency project manager after the Data Gap Plan is entered into the Tri-Party Agreement Administrative Record.

Table 1. 340 Vault Tank Data.

Constituent/ parameter	3/31/98 Sample Result	Total (g)	Constituent	3/31/98 Sample Result	Total (g)
pH	8.07E+00		* Cd	9.78E-02 $\mu\text{g/mL}$	1.47E+00
spec. grav.	9.97E-01 Sp. G.		* Ce	1.27E+02 $\mu\text{g/mL}$	1.90E+03
%solid	2.00E+00 %		* Co	2.38E-01 $\mu\text{g/mL}$	3.57E+00
% H2O	9.77E+01 %		* Cr	1.43E+01 $\mu\text{g/mL}$	2.15E+02
TDS	1.48E+04 $\mu\text{g/mL}$	2.22E+05	* Cu	1.44E+02 $\mu\text{g/mL}$	2.16E+03
			* Fe	7.04E+01 $\mu\text{g/mL}$	1.06E+03
NH3	1.28E+00 $\mu\text{g/mL}$	1.92E+01	* K	3.44E+02 $\mu\text{g/mL}$	5.15E+03
Cl	6.03E+01 $\mu\text{g/mL}$	9.05E+02	* La	1.33E+00 $\mu\text{g/mL}$	1.99E+01
CN	<MDL		* Li	3.27E-01 $\mu\text{g/mL}$	4.91E+00
F	1.64E+01 $\mu\text{g/mL}$	2.46E+02	* Mg	3.88E+01 $\mu\text{g/mL}$	5.82E+02
OH	3.06E+02 $\mu\text{g/mL}$	4.59E+03	* Mn	2.24E+01 $\mu\text{g/mL}$	3.35E+02
NO2	2.79E+02 $\mu\text{g/mL}$	4.19E+03	* Mo	<MDL	
NO3	9.40E+03 $\mu\text{g/mL}$	1.41E+05	* Na	3.64E+03 $\mu\text{g/mL}$	5.46E+04
PO4	2.81E+02 $\mu\text{g/mL}$	4.22E+03	* Nd	1.72E+01 $\mu\text{g/mL}$	2.57E+02
SO4	3.15E+02 $\mu\text{g/mL}$	4.72E+03	* Ni	9.45E+00 $\mu\text{g/mL}$	1.42E+02
TOC	1.48E+02 $\mu\text{g/mL}$	2.21E+03	* P	6.78E+01 $\mu\text{g/mL}$	1.02E+03
TIC	1.29E+02 $\mu\text{g/mL}$	1.94E+03	* Pb	2.68E+00 $\mu\text{g/mL}$	4.02E+01
			* S	7.91E+01 $\mu\text{g/mL}$	1.19E+03
* Ag	3.20E+00 $\mu\text{g/mL}$	4.79E+01	* Sb	<MDL	
* Al	2.79E+01 $\mu\text{g/mL}$	4.19E+02	* Se	<MDL	
* As	<MDL		* Si	4.13E+00 $\mu\text{g/mL}$	6.19E+01
* B	4.18E+01 $\mu\text{g/mL}$	6.26E+02	* Sr	1.12E+00 $\mu\text{g/mL}$	1.68E+01
* Ba	2.86E+00 $\mu\text{g/mL}$	4.29E+01	* Ti	0.576 $\mu\text{g/mL}$	8.64E+00
* Be	1.18E-01 $\mu\text{g/mL}$	1.77E+00	* V	<MDL	
* Bi	1.91E+01 $\mu\text{g/mL}$	2.86E+02	* Zn	9.68E-01 $\mu\text{g/mL}$	1.45E+01
* Ca	1.45E+02 $\mu\text{g/mL}$	2.17E+03	* Zr	7.01E-01 $\mu\text{g/mL}$	1.05E+01

* = analysis performed on acid digest portion (all other analyses performed on direct sample)
[222-S Laboratory; Tank 1].

