

0053433

Meeting Minutes Transmittal

300 Area FH Facility Transition General Topics
Project Managers' Meeting
Federal Building/Room 554
Richland, Washington

May 18, 2000
1:30 p.m. to 2:15 p.m.

RECEIVED
JUL 19 2000

EDMC

The undersigned indicate by their signatures that these meetings minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

David W. Templeton Date: 7-12-00
David W. Templeton, Project Manager, RL

A. B. Stone Date: 7-13-00
A. B. Stone, Project Manager, Washington State Department of Ecology

300 Area FH Facility Transition General Topics PMM, FH Concurrence

David E. Rasmussen Date: 7/11/00
D. E. Rasmussen, Contractor Representative, FH

Purpose: Discuss FH 300 Area Facility Transition General Topics

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - 327 May 15, 2000, Path Forward Handout
- Attachment 5 - 327 Facility Legacy Waste Container Disposition Status

Attachment 1

**300 Area FH Facility Transition General Topics
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**May 18, 2000
1:30 - 2:15 p.m.**

AGENDA

1. Introduction
2. Previous meeting minutes
3. 300 Area WATS status
4. Unirradiated uranium disposition -- status/plans
5. 340 Facility - status of planned activities to reduce tank heels
6. Silver list issues closeout status, 324/327
 - 11.8 324 Building, Na-contaminated shielded glovebox (SCW)
 - 16.3.8 324 Building, tanks secondary containment and leak detection/RLWS
 - 16.3.11 327 Building, RLWS secondary containment and leak detection
7. Other topics/discussion
 - a. 327 TRU Special Case Waste (SCW) one-gallon containers status
 - b. WIDS sites
 - WIDS sub-sites for 324/327 (RL letter 99-EAP-505)
 - WIDS RCRA/CERCLA integration
 - c. 327 basement legacy container status
 - d. Other topics
 - SCW Project Management Plan status
6. Schedule next meeting

Attachment 2

300 Area FH Facility Transition General Topics Project Managers' Meeting Federal Building, Room 554 Richland, Washington

May 18, 2000
1:30 p.m. - 2:15 p.m.

1. Introduction

A. Stone (Washington State Department of Ecology [Ecology]) announced that Tina Masterson-Heggen (Ecology) has been assigned responsibility for the 324/327 facilities starting July 1, 2000, and Deborah Singleton will be responsible for 300 special case waste.

2. Previous Meeting Minutes

The March 2, 2000, 300 Area Fluor Hanford (FH) Project Manager meeting minutes were approved.

3. 300 Area WATS status

J. Perry (FH) stated that the remaining activity is finalizing the administrative closure of the Waste Acid Treatment System (WATS) RCRA treatment, storage, and disposal (TSD) unit. J. Perry added that Ecology has agreed to FH's request for reduced inspections of the WATS TSD closure areas. FH is preparing a response to Ecology's request for an inspection plan and written specification of its location.

4. Unirradiated uranium disposition -- status/plans/update

A. Stone stated that a meeting with Ecology, U.S. Environmental Protection Agency (EPA), U.S. Department of Energy, Richland Operations Office (DOE-RL), the state of Oregon, and others was held this morning, and a pathway for resolving the issue of burial of the unirradiated uranium was agreed to. D. Evans (FH) stated that half of the uranium will be shipped off site. Up to 140 metric tons, which is allowed in the Environmental Assessment, will be buried on site. The remainder of the uranium will be stored in the 200 Area.

5. Silver list issues closeout status, 324/327

- 11.8 324 Building; Na-contaminated shielded glovebox (SCW)
- 16.3.8 324 Building; tanks secondary containment and leak detection
- 16.3.11 327 Building, RLWS secondary containment and leak detection

A. Stone stated that T. Masterson-Heggen will be responsible for disposition of the Silver list issues.

6. Other topics/discussion

a. 327 TRU Special-Case Waste (SCW) one-gallon container status

D. Rasmussen (FH) distributed a handout on the path forward 327 deactivation project, 5/15/00 (Attachment 4). S. Norton (FH) provided an explanation of current activities in 327. Seven new buckets have been loaded into drums. Approximately two-thirds of the containers in dry storage have been removed and packaged into one-gallon buckets. Currently buckets are being loaded into drums. Shipment of the drums to the 200 Area will begin as soon as the new SARP is approved by DOE-RL, which will allow shipment of six lead-lined drums at a time instead of one. It is anticipated that the SARP will be approved by the end of June 2000.

b. 327 basement legacy container status/update

D. Rasmussen distributed a handout detailing the 327 Facility legacy waste containers disposition status (Attachment 5). A. Stone inquired about projected dates for activities regarding the radium-226 radioactive source material. D. Rasmussen explained that the original date was to transfer the material to the 200 Area by the end of the fiscal year, September 30, 2000. DOE-RL and FH are integrating the schedule and the funding process in an effort to align activities consistent with the 324/327 project management plan.

D. Templeton (DOE-RL) noted that the dates are fund-driven, and that programmatic funds are not designated for 327 until 2003.

c. WIDS Sites

WIDS sub-sites for 324/327 (RL letter 99-EAP-505)

A. Stone stated that this issue is still on hold, until Ecology personnel are assigned this responsibility.

d. Other topics

A. Stone stated that Ecology received the special case waste project management plan, along with the statement that DOE-RL has met TPA Milestone M-92-14. Ecology will be sending DOE-RL a letter indicating that its review and response will be delayed 90 days, due to new staffing.

A. Stone noted that FH will be providing a recommendation for accelerated cleanup of the 300 Area to DOE-RL by July 2000, and he requested a status of the recommendation at the next project managers' meeting.

A. Teimouri (FH) inquired about the package on the fuel bunkers that was transmitted to Ecology. A. Stone responded that J. Wallace (Ecology) is responsible for the fuel bunkers.

7. Schedule next meeting

The next meeting was scheduled for 1:30 on July 13, 2000, at the Federal Building in Richland, WA.

Attachment 3

**300 Area FH Facility Transition General Topics
Project Managers' Meeting
Federal Building/Room 554
Richland, Washington**

**May 18, 2000
1:30 p.m. to 2:15 p.m.**

Attendance List

Meeting Title: **300 Area FH Facility Transition General Topics Project
Managers Meeting (PMM)**

Date: **May 18, 2000**

Original included in hard copy.

Name	Company	Phone Number
Jon Perry	FH-RCP	376-4791
Steve H. Norton	FH-RCP 327	376-9717
Kim Williams	DOE-RL FTD	373-1646
John A. Remaize	FH-RCP 300 Area/FSS	372-1462
J. Matthew Barnett	FH-RCP	373-2928
R. Leo Guillen	DOE-RL FTD	376-0254
Dave W. Templeton	DOE-RL FTD	373-2966
Dave C. Langstaff	DOE-RL FTD	376-5580
Dave T. Evans	DOE-RL FTD	373-9278
Theo Martin	DOE-RL FTD	376-0125

Attachment 4

327 May 15, 2000, Path Forward Handout

**PATHFORWARD
327 DEACTIVATION PROJECT
05/15/00**

Waste Buckets

- Loaded two lead-lined drums. One fissile consolidation and the 1st pin tube drum.
- Procedure revisions completed to support compacting and loading.

Buckets in Hot Cells	Buckets in Drums	Buckets Shipped
Initial legacy - 107 (17.7)	33 (00.0)*	0
HC cleanout - 8 (00.0)	9 (00.0)	0
Dry Storage - 8 (00.0)	0 (00.0)	0
Fissile consolidation - 2 (17.1)	7 (63.0)	0
Pin Tube resizing - 4 (190.2)	2 (83)	0

* 2-Loaded in FY99, fissile gram content listed in ().

Attachment 5

327 Facility Legacy Waste Container Disposition Status

327 Facility Legacy Waste Containers Disposition Status Summary 5/17/00

This message provides updated status/summary information regarding the disposition of the legacy waste containers identified as a concern by the Washington State Department of Ecology (Ecology) during the Ecology inspection performed at the 327 Facility January 27-28, 1999. If Ecology desires to address this information in a meeting, please, let us know and we can make arrangements.

Disposition activities for the 327 Facility legacy waste containers have been continuing in a well-controlled manner and are currently complete for 14 of the 19 legacy containers, as of May 17, 2000 (Attachment 1). Since the previous status summary at the 3/2/00 Project Manager's Meeting with Ecology, one additional legacy container (#05) has been dispositioned (by repackaging and shipping to the 200 Area), as shown in Attachment 1.

One legacy container (#04, Ra-226 radioactive source material) was previously determined to not be solid waste, and is being handled and stored as a sealed source in accordance with the State of Washington Department of Health per WAC 246-247-030(24). The path forward for the Ra-226 source material is presented in Attachment 2.

Disposition activities for the four remaining legacy waste containers (Legacy, #10, 14, 15, and 16) have been incorporated into an integrated waste disposition schedule for the 327 Building. The integrated 327 Facility waste disposition schedule includes the hot cell one-gallon buckets, which are addressed in Tri-Party Agreement (TPA) M-92 (TPA change number M-92-96-01) milestones for 300 Area Special Case Waste and includes other waste to be generated at the 327 Facility. Integration with the overall 327 Facility waste disposition schedule provides an appropriate basis for disposition and shipping priority relative to waste associated with TPA milestones and other facility waste disposition activities. The four remaining legacy waste containers are all designated as nondangerous radioactive waste. Higher priority is currently being placed on disposition and shipping of 327 Facility Special Case Waste associated with the TPA M-92 milestones. The disposition path forward and schedule for the four remaining legacy waste containers is shown in Attachments 3-6.

The remaining four legacy waste containers require relatively extensive preshipping preparation, characterization, and verification activities based on the uniqueness of their contents. These containers involve development of new waste profiles, facility radiation work permits, and technical work plans. Relatively high radiation dose rates measured on these containers require rigorous radiation work planning and work controls to maintain radiation doses as low as reasonably achievable (ALARA), and to meet radiological control requirements. These work controls also are required to ensure compliance with 10 CFR Part 835 (Occupational Radiation Protection) requirements and 10 CFR Part 830 (Nuclear Safety Management, Quality Assurance Requirements) requirements. Preshipping characterization activities (dose rate measurements, nondestructive assay, and radiography where applicable) have also established that the remaining four legacy

waste containers require packaging changes and/or some form of overpacking, which increased the scope of the disposition process.

Container #10 was determined by radiography to contain residual water, which necessitates a new technical work plan, container opening and repackaging, liquid absorption, Type A overpack, and high radiation ALARA review/approval. Containers #15 and 16 were determined to be transuranic waste rather than low-level waste based on nondestructive assay. Additional characterization and documentation are anticipated for containers #14, 15, and 16 for waste certification/acceptance purposes. Containers #14, 15, and 16 require Type A overpacks, technical work plans, and the high radiation ALARA review/approval process for each container.

Attachment 1

Summary for 327 Facility Legacy Containers Dispositioned as of 5/17/00

Fourteen Containers Dispositioned to Date:

Container #01 (Heavy empty container, due to concrete shielding)

- Verified empty during 4/28/99 Ecology-witnessed opening/inspection
- Disposition: Use container for hot cell radioactive waste packaging

Container #02 (Heavy empty container, due to lead (Pb) shielding)

- Verified empty during 4/28/99 Ecology-witnessed opening/inspection
- Assigned for use as mixed waste container, D008 waste code (Pb)
- Disposition: Relocated to 90-day accumulation area, shipped to CWC 8/3/99, No. 327-LEG-02

Container #03 (Irradiated zircalloy cladding tubing in lead-shielded drum)

- Determined/verified as empty after opening/inspection
- Disposition: Use container for hot cell radioactive waste packaging

Container #05 (Irradiated cladding tubing from Turkey Point)

- Repackaged and documented contents
- Disposition: Shipped (CIN 9703424) to CWC 5/10/00

Container #06 (Video camera equipment from piping inspections)

- Relocated for handling and examination
- Completed preshipping documentation, waste portfolio, and waste acceptance
- Disposition: Shipped (CIN 980435) to CWC 3/02/99

Container #07 (Pipe corrosion study archive sample)

- Relocated for handling and examination
- Completed preshipping documentation, waste portfolio, and waste acceptance
- Disposition: Shipped (CIN 9804417) to CWC 4/20/99

Container #08 (Grout, clay, cement, sand, rubber, angle iron, paper, shoes, plastic, and nonregulated ion resin beads)

- Completed preshipping characterization/documentation, portfolio, and waste acceptance
- Disposition: Shipped to 200 Area 9/30/99 (PIN 327-LEG-008, CIN 9803028)

Container #09 (Isomet saws, bags, vials, towels, paper, plastic, rubber, gloves, garnet sand, grout, cement, angle iron, 30-gal drum)

- Completed preshipping characterization/documentation, portfolio, and waste acceptance
- Disposition: Shipped to 200 Area 9/30/99 (PIN 327-LEG-009, CIN 9803028)

Container #11 (Manipulator parts in PVC pipe in drum)

- Relocated for handling and disposition/verified and documented content
- Disposition: Placed contents into LLW box and shipped to 200 Area

Container #12 (Concrete shielded drum with nonregulated ion exchange resin)

- Completed preshipping characterization/documentation, portfolio, and waste acceptance
- Disposition: Shipped to 200 Area 9/30/99 (PIN 327-LEG-012, CIN 9803028)

Container #13 (Concrete box containing one-gallon waste buckets from C-Cell and E-Cell)

- Completed relocation of buckets to hot cell
- Disposition: Contents verified and documented for TRU packaging

Container #17 (Plastic bag with hot cell buckets #1705 and #1900)

- Relocated buckets to hot cell
- Disposition: Contents verified and documented for TRU packaging

Container #18 (Plastic bag with hot cell buckets #1896 and #1897)

- Relocated buckets to hot cell
- Disposition: Contents verified and documented for TRU packaging

Container #19 (Cutting fluid)

- Disposition: Product material for use; retained at facility

Attachment 2

**Path Forward Information for Ra-226 radioactive source material
(formerly referred to as Legacy Container #04), 5/17/00**

Container Number: Legacy #04

Container/Contents Description:

Radium (Ra-226): 120-millicurie radioactive source material

Concurrence obtained from WDOH 5/4/99 that container may be handled and stored as sealed source with respect to WDOH air permitting requirements per WAC-246-247-030(24).

Path Forward Actions for Container #04 Status/ECD

- | | | |
|----|---|----------|
| a. | Perform container contents documentation review | Complete |
| b. | Perform solid waste determination | Complete |
| | - Container #04 was determined to not be solid waste | |
| c. | Perform dangerous waste determination | Complete |
| | - Not applicable, not solid waste | |
| d. | Plan and perform pre-shipping characterization for material storage process | Complete |
| | - Prepare RWP/complete ALARA review for high rad work | |
| | - Relocate, obtain dose rate, weight, and NDE | |
| | - Review results of NDE (determined layer of lead brick shielding present) | |
| e. | Obtain air permit and transfer Ra-226 source material | |
| | - Obtain WDOH approval to handle/manage as sealed source | Complete |
| | - Obtain WDOH approval to perform container opening and chemistry | Complete |
| | - Perform container opening and chemistry (at 325 Facility) | * |
| | - Transfer to 200 Area facility for storage | * |

* Scheduling and funding for the remaining path forward activities for this Ra-226 material are being worked out by the facility and DOE-RL.

Attachment 3

Status and Path Forward for 327 Facility Legacy Waste Container #10, 5/17/00

Container Number: Legacy #10

Container/Contents Description:

55-gal drum with grouted 30-gal inner drum, with non-dangerous ion exchange resin

Path Forward Actions for Container #10

Status/ECD

- | | | |
|----|--|----------|
| a. | Perform container contents documentation review | Complete |
| b. | Perform solid waste determination | Complete |
| | - Container #10 was determined to be solid waste | |
| c. | Perform dangerous waste determination | Complete |
| | - Container #10 was determined to be non-dangerous waste based on contents documentation and process knowledge | |
| d. | Plan and perform pre-shipping characterization for waste acceptance process | Complete |
| | - Relocate container, obtain dose rates, and weight | |
| | - Perform nondestructive assay | |
| | - Define NDE/verification for waste acceptance | |
| e. | Implement packaging/certification and ship container | |
| | - Expanded scope technical work plan | 9/30/03* |
| | • Determined by radiography to contain residual water | |
| | • Determined by NDA to contain Type A quantity | |
| | • Requires new technical work plan to absorb water | |
| | • Requires Type A overpack | |
| | - Obtain high radiation/ALARA approval | |
| | - Package/repackage waste as appropriate | |
| | - Prepare new waste portfolio | |
| | - Obtain waste acceptance | |
| | - Ship container | |

* Currently scheduled for 9/30/03 per the 324/327 Deactivation Project Project Management Plan (PMP); however, completion may be achieved sooner through facility super-stretch goals.

Attachment 4

Status and Path Forward for 327 Facility Legacy Waste Container #14, 5/17/00

Container Number: Legacy #14

Container/Contents Description:

Concrete box, 3' x 3' x 3', with HEPA filter from D-Cell, nondangerous radioactive waste

Path Forward Actions for Container #14

Status/ECD

- | | | |
|----|--|----------|
| a. | Perform container contents documentation review | Complete |
| b. | Perform solid waste determination | Complete |
| | - Container #14 was determined to be solid waste | |
| c. | Perform dangerous waste determination | Complete |
| | - Container #14 was determined to be non-dangerous waste based on contents documentation and process knowledge | |
| d. | Plan and perform pre-shipping characterization for waste acceptance process | Complete |
| | - Relocate container, obtain dose rates, and weight | |
| | - Perform nondestructive assay | |
| | - Define NDE/verification for waste acceptance | |
| e. | Implement packaging/certification and ship container | 9/30/03* |
| | - Prepare expanded scope technical work plan | |
| | • Very high dose rate (800 mrem/hr) | |
| | • Requires Type A overpack | |
| | - Obtain high radiation/ALARA approval | |
| | - Perform characterization/documentation for waste certification/acceptance purposes | |
| | - Package/repackage waste as appropriate | |
| | - Prepare new waste portfolio | |
| | - Obtain waste acceptance | |
| | - Ship container | |

* Currently scheduled for 9/30/03 per the 324/327 Deactivation Project Project Management Plan (PMP); however, completion may be achieved sooner through facility super-stretch goals.

Status and Path Forward for 327 Facility Legacy Waste Container #15, 5/17/00Container Number: Legacy #15Container/Contents Description:

Concrete box, 3' x 3' x 3', with HEPA filter from F-Cell, nondangerous radioactive waste

Path Forward Actions for Container #15Status/ECD

- | | | |
|----|--|----------|
| a. | Perform container contents documentation review | Complete |
| b. | Perform solid waste determination | Complete |
| | - Container #15 was determined to be solid waste | |
| c. | Perform dangerous waste determination | Complete |
| | - Container #15 was determined to be non-dangerous waste based on contents documentation and process knowledge | |
| d. | Plan and perform pre-shipping characterization for waste acceptance process | Complete |
| | - Relocate drums, obtain dose rate, and weight | |
| | - Perform nondestructive assay | |
| | - Define NDE/verification for waste acceptance | |
| e. | Implement packaging requirements and ship container | 9/30/03* |
| | - Prepare expanded scope technical work plan | |
| | • High dose rate | |
| | • Determined to be TRU, not LLW, requires venting | |
| | • Requires Type A overpack | |
| | - Obtain high radiation/ALARA approval | |
| | - Perform characterization/documentation for waste certification/acceptance purposes | |
| | - Package/repackage waste as appropriate | |
| | - Prepare new waste portfolio | |
| | - Obtain waste acceptance | |
| | - Ship container | |

* Currently scheduled for 9/30/03 per the 324/327 Deactivation Project Project Management Plan (PMP); however, completion may be achieved sooner through facility super-stretch goals.

Status and Path Forward for 327 Facility Legacy Waste Container #16, 5/17/00

Container Number: Legacy #16

Container/Contents Description:

55 gal drum with equipment items from C-Cell, nondangerous radioactive waste

Path Forward Actions for Container #16

Status/ECD

- | | | |
|----|--|----------|
| a. | Perform container contents documentation review | Complete |
| b. | Perform solid waste determination | Complete |
| | - Container #16 was determined to be solid waste | |
| c. | Perform dangerous waste determination | Complete |
| | - Container #16 was determined to be non-dangerous waste based on contents documentation and process knowledge | |
| d. | Plan and perform pre-shipping characterization for waste acceptance process | Complete |
| | - Relocate drums, obtain dose rate, and weight | |
| | - Perform nondestructive assay | |
| | - Define NDE/verification for waste acceptance | |
| e. | Implement packaging requirements and ship container | 9/30/03* |
| | - Prepare expanded scope technical work plan | |
| | • High dose rate (300 mrem/hr) | |
| | • Determined to be TRU, requires venting | |
| | • Requires opening to add pyrofoam to secure contents | |
| | • Requires overpack, 85-gal drum | |
| | • Perform characterization/documentation for waste certification/acceptance purposes | |
| | - Prepare new waste portfolio | |
| | - Package/repackage waste as appropriate | |
| | - Obtain waste acceptance | |
| | - Ship container | |

* Currently scheduled for 9/30/03 per the 324/327 Deactivation Project Project Management Plan (PMP); however, completion may be achieved sooner through facility super-stretch goals.

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Please send comments on distribution list to D. L. Coleman (L1-06), (509) 376-9170.