

**Meeting Minutes Transmittal**

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

**January 6, 2000  
1:30 p.m. to 2:30 p.m.**

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**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: 3-2-00  
David W. Templeton, Project Manager, RL

Alex Stone Date: 3/2/00  
A. B. Stone, Project Manager, Washington State Department of Ecology

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**300 Area FH Facility Transition General Topics PMM, FH Concurrence**

D. E. Rasmussen Date: 3/02/00  
D. E. Rasmussen, Contractor Representative, FH

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**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 -- 340 Facility Deactivation Handout**
- Attachment 5 -- Legacy Buckets Handout**

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**Attachment 1**

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

**January 6, 2000  
1:30 – 2:30 p.m.**

**AGENDA**

- 1. Introduction**
- 2. Previous meeting minutes**
- 3. 340 Facility - status of planned activities to reduce tank heels**
- 4. Silver list issues closeout status, 324/327**
  - 11.8324 Building, Na-contaminated shielded glovebox (SCW)**
  - 16.3.8 324 Building, tanks secondary containment and leak detection/RLWS**
  - 16.3.11327 Building, RLWS secondary containment and leak detection**
- 5. Other topics/discussion**
  - a. 327 TRU Special Case Waste (SCW) one-gallon containers status**
  - b. WIDS sites, RCRA/CERCLA integration activities**
  - c. 327 basement legacy container status**
  - d. Other topics**
    - TPA milestone review meeting (IAMIT), January 20, 2000**
    - Special Case Waste Study (HNF-1730, Rev. 2) status**
    - 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**

**January 6, 2000  
1:30 p.m. - 2:30 a.m.**

### **1. Introduction**

**Introductions were made because of several new attendees (see attendance list).**

### **2. Previous Meeting Minutes**

**The November 4, 1999 300 Area FH minutes were approved.**

### **3. 340 Facility - status of planned activities to reduce tank heels**

**A. Stone said that he is Ecology's point of contact for the 310/340 Facilities.**

**Carl Grando (FH) distributed a handout (Attachment 4) and provided a detailed discussion regarding the expedited removal of tank heels at the 340 facility. The goal is to remove the heels by October 2000. Removal of the heels addresses a concern expressed in Ecology's letter No. 9957808. The letter followed Ecology's compliance inspection, which was conducted in the summer of 1999.**

**A. Stone (Ecology) inquired about which document best represents the activities planned for the 340 facility. B. Stordeur (FH) explained that the 1998 project management plan (PMP) for the 340 facility provides the detail, and the HNF-5068 document contains an overview of all the special case waste. A. Stone asked when document HNF-5068 will be transmitted to Ecology. D. Templeton (DOE-RL) indicated that HNF-5068 should be ready for release by mid-February.**

**A. Huckaby inquired about when a sampling and analysis plan (SAP) would be generated in support of the October 2000 goal for removal of the heels.**

**C. Grando responded that a SAP has been drafted, in the event that Tank Farms does not accept the sampling and waste characterization that was done in 1998.**

**A. Huckaby inquired about a time frame for reusing the vault tanks. C. Grando indicated that FH is still evaluating the possibility of reusing the vault tanks, and Ecology will be kept informed of future use plans.**

**4. 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. Huckaby indicated that she would review the revised closeout forms in March 2000.**

**5. Other Topics/Discussions**

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

**D. Rasmussen (FH) distributed a handout on the 327 Facility legacy buckets disposition (Attachment 5). Legacy waste compaction and packaging activity has been initiated for FY 2000. D. Templeton noted that the fiscal year work plan reflects minimum safe performance only for 327, and therefore a projection for the number of waste buckets cannot be made. However, a status of the progress will be provided to Ecology.**

**A. Stone inquired about existing waste tracking methods. D. Rasmussen indicated that the Solid Waste Information Tracking System (SWITS), which includes regulated waste, hazardous mixed waste and rad waste such as the legacy waste buckets, may provide the tracking information Ecology is requesting. A. Stone requested an action for B&W to provide Ecology waste tracking information for 324 and 327 by January 31, 2000. A. Stone noted that the information has been requested by D. Silver (Ecology) on a quarterly basis, and that he would take an action to define the time frame for the quarters.**

**b. WIDS Sites, RCRA/CERCLA integration activities**

**J. Perry (FH) read from a portion of the November 4, 1999 minutes, which pertained to this issue. A. Stone indicated that Ecology has discussed the topic informally with EPA, but a letter has not been drafted in response to RL's letter.**

**c. 327 basement legacy container status**

**D. Rasmussen provided a detailed update on the 327 basement legacy container status. Legacy Container 13 contained hot cell buckets, which were taken out of the container and placed back in the hot cell. The buckets have gone through a verification program to ensure the contents matched the inventory sheet, or to create a new inventory sheet by doing 100 percent verification of the contents in a particular bucket. There were no problems with any of the buckets.**

The x-ray and nondestructive assay (NDA) have been performed on Legacy Container 05, which contains irradiated cladding. The job package for Container 05 is almost complete. Legacy Container 10 is a drum, which contains iron exchange resin. The x-ray showed a small amount of free water, and the drum will have to be repackaged. The job package is near completion. D. Rasmussen indicated that the water was probably a result of settling out from the ion exchange resin. Legacy Container 16 contains some C-Cell equipment. NDA revealed about 700 millirem per hour, and x-ray revealed that some of the items will have to be repositioned. The container will be opened and a stabilizer will be added to prevent shifting, Legacy Container 14 contains the D-Cell HEPA filters. NDA revealed about 800 millirem per hour. X-ray will be performed to determine whether the items need to be repositioned. Legacy Container 15 contains the F-Cell HEPA filters. NDA revealed the HEPA filters to be transuranic (TRU). X-ray will be performed to verify configuration. Legacy 04 contains radioactive source material, radium 226. FH has consulted with the Department of Health regarding Legacy Container 15. The container will have to be opened, and FH is working with the 325 facility, which has the capability to handle the material.

**d. Other topics**

- TPA milestone review meeting (IAMIT), January 20, 2000

The presentation materials for the IAMIT meeting will be transmitted to Ecology a week before the meeting, per Ecology's request.

- Special Case Waste Study (HNF-1730, Rev. 2) status

D. Rasmussen reported that the special case waste document HNF-1730 has been approved and released. An action was taken to provide Ecology a copy of the document.

- SCW Project Management Plan status

This topic was discussed briefly under agenda item No. 3, specifically the release of the PMP, document HNF-5068. FY provided the PMP to RL on 11/29/99.

A. Stone requested a brief update on the status of the 310 facility at the future PMMs.

**6. Schedule next meeting**

The next meeting was scheduled for 1:30 on March 2, 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

January 6, 2000  
1:30 p.m. to 2:30 p.m.

Attendance List

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

Date: January 6, 2000

*Original included in hard copy.*

Name	Company	Phone Number
David E. Rasmussen	FH	376-3288
Alison D. Huckaby	Ecology	736-3034
Alex Stone	Ecology	736-3018
Greta Davis	Ecology	736-3025
Jon K. Perry	FH	376-4791
R. L. (Leo) Guillen	DOE	376-0254
Carl J. Grando	FH	372-0093
Steven B. Garnett	FH	376-6857
Robert (Bob) E. Piippo	FH	373-3285
J. Matthew Barnett	FH	373-2928
Robert T. Stordeur	FH	372-3452
Gregory L. Sinton	DOE	373-7939
Ellen M. Mattlin	DOE	376-2385
David T. Evans	DOE	373-9278
John A. Remaize	FH	372-1462
Donald J. McBride	FH	373-5698
Julie R. Robertson	FH	376-8162

**Path Forward**  
**327 Deactivation Project**  
**01/03/00**

**Deactivation Team - Stevens**

- All archival sample canisters in "B-Cell" were opened and reviewed for waste designation and sorted into waste cans in preparation for disposal.
- General operating procedure PTL-051, "Cask Decon" was revised to clarify radiological survey points.

**Deactivation Team - Hedquist**

**Legacy Waste Buckets**

- Compacted 7 buckets and loaded two lead-lined drums (LLDs). One additional LLD should complete loading this week (1/3/2000).
- Completed NDA of 2 LLDs and 2 CLDs on 12/28/99.
- Completed operational inspections of new order of LLDs (10) and CLDs (5) at vendor (HiLine) prior to shipment to 327 week of 1/3/2000.

Buckets in Hot Cells	Buckets in Drums	Buckets Shipped
Initial - 116	26*	0
HC cleanout - 6	0	0
Fissile consolidation - 17		

- 2 loaded in FY-99

# **340 Facility Deactivation**

## **Expedite Heel Removal**

PROJECT MANAGER'S MEETING  
January 6, 2000

1/04/00

## Overview:

### o **Background**

- 340 Vault lacks compliant secondary containment--ultimately led to 340 shut-down / Silver List items
- Final waste shipment (by rail) in July 1998 / Non-pumpable heels remain (slowly evaporating) *~11,000 gal heel*
- Independent integrity assessment determined tanks good at least through 2005 *with stainless steel*
- Terminated waste receipts on October 1, 1998

### o **Existing 340 Project Management Plan (PMP)**

- Proposed 2 phase approach; Phase I tied to TPA Milestones M-92-13
- Many RLWS segregation and isolation tasks completed already

### o **Current Plans**

- Focus on tank heel removal
- Pursue peripheral deactivation goals as resources allow

## **Incentives for Heel Removal (Vault tanks):**

### **o Mortgage Reduction**

#### **[Reduce surveillance tasks & documentation]**

- Reduce Hazard Classification [Category 3 nuclear to Radiological]
- Downgrade vault exhaust system [NESHAPS "Major" to "Minor" stack]
- Reduce fissile material facility status [Isolated to Exempt]
- Re-invest savings in other risk reduction activities

### **o ALARA**

- Reduce both background radiation levels and the need for survey routines
- Reduce personnel exposure during balance-of-plant deactivation tasks

### **o Accelerate main 340 portion of TPA SCW milestone**

- 340 vault and 340-A tank heels included in SCW PMP (HNF-5068)
- Drainable portion of 340-A waste transferred to vault tanks (March 1998)

## **Schedule Overview:**

### **o Develop detailed plan**

- Vault survey & isotopic analysis
- Tank camera inspection/waste sampling / characterization being considered
- Evaluate removal techniques / develop overall plan

### **o Goal is to Remove Heels by October 2000**

- Select removal technology / procure equipment / contract support as appropriate
- Mock demonstration / actual waste removal, packaging & transport for disposal

### **o Deactivate balance of plant (BOP)**

- Evaluate potential use of vault tanks to facilitate decontamination of BOP
- Complete deactivation of RLWS system, 340-A, 340-B, and 340 buildings

## **Summary:**

- o Complies with primary regulator intent**
  - Addresses concern expressed in Ecology letter 9957808
  - Supports 300 Area SCW TPA milestone commitment
  
- o Cost effective utilization of existing assets**
  - Uses facility knowledgeable staff and budget savings as resource
  - Tackles primary burden (tank heels) in a timely fashion, without compromising future decontamination options.
  
- o Consistent with current DOE guidelines & goals**
  - Demonstrates commitment to ALARA principles
  - Supports long-range utilization plans for 300 Area

**Distribution:**

R. W. Bailey	FH	S4-49
J. M. Barnett	FH	L1-05
J. M. Bishop	FH	L6-26
F. J. Carvo	FH	L1-03
S. E. Chalk	DOE	L1-02
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C. E. Clark	RL	A5-15
B. L. Curn	FH	G1-29
E. B. Dagan	DOE	A5-15
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D. T. Evans	RL	A6-38
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J. K. Perry	FH	L1-04
R. E. Piippo	FH	A5-15
S. M. Price	FH	A0-22
A. L. Prignano	WMH	G1-30
D. E. Rasmussen	FH	L1-04
J. G. Riddelle	FH	L1-02
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J. R. Robertson	FH	L1-04
M. M. Serkowski	FH	L1-05
G. L. Sinton	RL	H0-12
S. J. Skurla	Ecology	B5-18
J. M. Steffen	FH	L5-66
R. W. Stevens	FH	L1-03
A. B. Stone	Ecology	B5-18
C. P. Strand	FH	A3-02
D. W. Templeton	RL	L1-08
K. L. Williams	RL	A6-38
M. S. Wright	FH	L1-08
Y. K. Yerxa	DOE	A5-15
Environmental Portal		

**ADMINISTRATIVE RECORD (two copies): 300 Area FH General Topics Project Managers' Meeting, (S-3-4); 303-K (S-3-1) [Care of EDMC (H6-08)]**

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