

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 554
Richland, Washington

May 18, 2000
2:15 p.m. to 3:00 p.m.

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: 13 July 2000
A. B. Stone, Project Manager, Washington State Department of Ecology

324 REC/HLV Closure Plan, FH Concurrence

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

Purpose: Discuss Permitting Process

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 - List of Usable Deactivation Equipment
- Attachment 5 -- April 27, 2000, IAMIT Presentation

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Attachment 1

**324 REC/HLV
Project Managers' Meeting
Federal Building/Room 554
Richland, Washington**

**May 18, 2000
2:15 – 3:00 p.m.**

AGENDA

1. Introduction
2. Previous meeting minutes
3. 324 REC/HLV Closure Plan
 - a. Closure plan amendment status for 324 Liquid Waste Handling System (LWHS)
 - b. Project status tracking, schedule mid-month meeting as appropriate
4. B-Cell cleanout project status
 - a. Recent progress/highlights
5. Action item review
6. Other topics/discussions
 - a. recent M-89-02 milestone clarification letter (RL letter 00-FTD-006) - status
 - b. other topics
7. Schedule next meeting

Attachment 2

**324 REC/HLV
Project Managers Meeting
Federal Building, Room 554
Richland, Washington**

**May 18, 2000
2:15 p.m. - 3:00 p.m.**

1. Introduction

There were no new introductions.

2. Previous Meeting Minutes

The March 2, 2000 minutes were approved.

3. 324 REC/HLV Closure Plan

a. Closure plan amendment status for 324 Liquid Waste Handling System (LWHS)

J. Perry (Fluor Hanford [FH]) requested a workshop with Ecology in early June 2000 to discuss the latest strategy for removing containers from the 324 REC.

A. Stone said that a new Ecology person had been assigned to the 324 Facility, and she was not sufficiently familiar with the 324 Facility to support a June meeting. Mr. Stone indicated that Ecology could support a July meeting.

A. Stone (Ecology) reported that A. Huckaby (Washington State Department of Ecology [Ecology]) no longer has responsibility for the 324 Radiochemical Engineering Cells (REC) and will not have time to review the amendments to the closure plan. Tina Masterson-Heggen (Ecology) has been assigned responsibility for the 324 REC, and she will be taking over on July 1, 2000. J. Perry relayed that the 324 Facility engineers have expressed an urgency for establishing contingency options for managing MW containers. J. Perry noted that A. Huckaby had already reviewed some container management contingencies. After a brief discussion, it was agreed that FH will provide Ecology with draft closure plan page changes addressing storage of MW containers in A-Cell. These changes would be limited to those that A. Huckaby had previously reviewed (in principle) and tentatively agreed to. A. Stone will then present the package to A. Huckaby for her review in an effort to expedite an agreement.

A workshop will be scheduled for late July 2000 with T. Masterson-Heggen to discuss other 324 Facility Closure Plan and M-89-02 milestone issues. FH took an action to send Ecology an agenda for the 7/00 meeting.

- b. Project status tracking, schedule mid-month meeting as appropriate

A meeting will be scheduled with T. Masterson-Heggen, and will likely coincide with a tour of the facility.

4. B-Cell Cleanout Project Status

- a. Recent progress/highlights

D. Templeton (U.S. Department of Energy, Richland Operations Office [DOE-RL]) reported that nine grout containers have been shipped out of B-Cell since March 2000. A total of 17 grout containers are targeted for shipment by the end of September 2000. The B-Cell door has become difficult to operate, and preventative maintenance type of repair work is planned, which may delay the grout shipment schedule by one week.

Dose profiling was completed recently on seven engineered containers, one transuranic (TRU) filter, three strontium filters, and 20 metal filters. Size reduction on the B-Cell frames, the HEPA filters and the electrostatic precipitators is ongoing. The wire rope on the ten-ton crane in B-Cell was replaced, and the crane was returned to service.

The dispersible removal system has been received at the 306 Building. Various types of shipping containers are being procured. Some of the shipping containers are being fabricated on site.

5. Action Item Review

There were no action items to address.

6. Other topics/discussion

- a. Recent M-89-02 milestone clarification letter (RL letter 00-FTD-006) - status

D. Rasmussen stated that DOE-RL received Ecology's letter, which stated agreement with DOE-RL's M-89-02 milestone clarification letter.

D. Rasmussen provided a handout (Attachment 4), which identifies usable deactivation equipment. A. Stone said that he had no concerns regarding the handout (Attachment 4).

b. **Other topics**

D. Rasmussen provided the presentations from the April 27, 2000, IAMIT meeting (Attachment 5).

A. Stone said that future special case waste (SCW) discussion should be conducted in the 300 Area General Topics PMM.

7. **Schedule Next Meeting**

The next meeting was scheduled for July 13, 2000, at 2:15 p.m. at the Federal Building in Richland, Washington.

Attachment 3

Attendance List

Meeting Title: 324 Building REC/HLV Project Managers Meeting (PMM)

Date: May 18, 2000

Original included in hard copy.

Name	Company	Phone Number
Jon Perry	FH-RCP	376-4791
Alex Stone	Ecology	736-3018
Dave T. Evans	DOE-RL FTD	373-9278
David C. Langstaff	DOE-RL FTD	376-5580
J. Matthew Barnett	FH-RCP	373-2928
Dave W. Templeton	DOE-RL FTD	373-2966
Dave E. Ramsussen	FH-RCP	376-3288

Attachment 4

List of Usable Deactivation Equipment

-DOE RL 12/08/99 Letter to Ecology, No. 00-FTD-006

The M-89-02 performance standard identified "Useable deactivation equipment such as ..." which would be required for future deactivation activities in B-Cell pipe trench, HLV, D-Cell and C-Cell. The following is a listing of those currently identified equipment items expected to be left in B-Cell, for the following reasons. As committed to in the RL letter to Ecology, these items will be removed prior to completion of Phase I cleanup.

Usable deactivation equipment information:

1. Fire protection hoses and nozzles. Needed for fire protection.
2. Installed and functioning camera systems, including pan/tilt heads, mounts, etc. Needed for size reduction of fuel storage equipment as well as cleanout of pipe trench and D-Cell.
3. Fixed and portable lights. Needed for viewing in the cell.
4. Jib crane (accompanies 3-ton) and auxiliary hooks for 10-ton and 3-ton crane. Needed for fuel pin consolidation and for size reduction of fuel storage equipment.
5. Torches and leads. Needed for size reduction of fuel storage equipment.
6. Clamshells. Needed for removal of size-reduced fuel storage equipment as well as cleanout of pipe trench and D-Cell.
7. DRS system attachments. Needed for cleanout of D-Cell dispersible.
8. Vacuum system and hoses. Needed for cleanout of D-Cell and pipe trench dispersible material.
9. Extension cords and cables. Needed for operating installed equipment including electrostatic precipitators, portable lights, cameras, and DRS system.
10. Labounty shear. Needed for size reduction of fuel storage rack.
11. Rinsing equipment. Needed to support future deactivation packaging and loadout of low-level waste (LLW) and transuranic waste (TRU) materials and equipment into 3-82B grout containers.
12. Grouting equipment. Needed for grouting future LLW 3-82B grout containers.

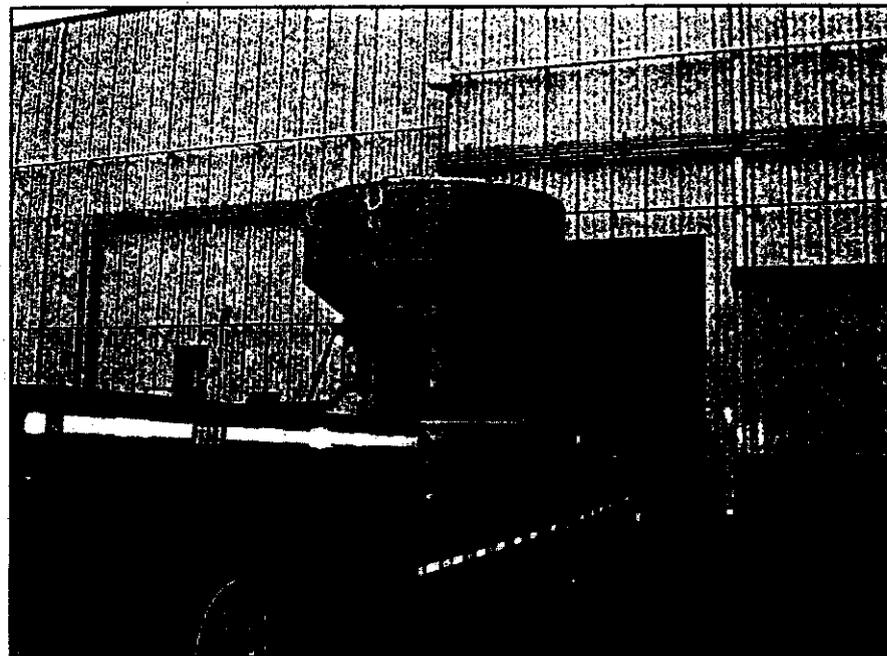
Attachment 5

April 27, 2000, IAMIT Presentation

324 Facility Stabilization



Hot Cell Technicians Ron Holman and Mark Culverhouse use the 324 Building 30-ton crane to lower the grout container cask onto a shipping truck. The grout container is filled with remnants of the 1A Rack from B-Cell, the largest and most contaminated cell within the 324 Building. Hot Cell Operations Manager, Dave Jenkins, checks to see if the load is centered before final placement.



Grout Container #136, full of 324 Building's B-Cell rack remnants, is loaded into this 56,000-ton cask assembly and ready for shipment to the Low-Level Burial Grounds in the 200 Area. The shipment, sent out on March 22, 2000, is the first of a 17-shipment campaign in support of a Tri-Party Agreement interim milestone to clean out B-Cell by November 2000.

RIVER CORRIDOR PROJECT

324 Facility Stabilization

Active Milestone Overview

Milestone M-89-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-89-00	Complete closure of non-permitted mixed waste units in the 324 Building REC B-Cell, REC D-Cell, and the High-Level Vault.	10/31/05	In progress
M-89-02	Complete removal of 324 Building REC B-Cell MW and equipment.	11/30/00	In progress

River Corridor Project

324 Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Environmental - Excellent

All activities related to completion of the M-89 milestone have been conducted in compliance with environmental regulations. No adverse impacts to the environment have occurred.

Safety - Excellent

All activities related to completion of the M-89 milestones have been conducted safely during the most recent quarter. Cutting operations, crane repairs, steam system repairs, and airlock entries have all been conducted safely.

Cost - Excellent

The first six months of FY00 finds overall B-Cell activities tracking within the current authorized funding. Current minor cost variances are attributed to expense required in schedule recovery and equipment repairs.

River Corridor Project

324 Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule - Marginal

A revised Project Management Plan was issued in January, that defines a revised logic path to completion of Milestones M-89-02, due in 11/00, and M-89-00, due in 2005. In accordance with the revised PMP, B-Cell is on schedule for completion of milestone TPA-M-89-02 by November 30, 2000. Emphasis is being placed on Rack 2A removal, equipment size reduction, and maintaining equipment operable.

TRU/LLW classification of grout containers has been resolved and grout container shipments have now been initiated. To date, four of the seventeen scheduled 3-82B shipments have occurred.

Current critical path schedule to M-89-02 shows 1 day positive float.

River Corridor Project

324 Facility Stabilization

Significant Accomplishments

Since last Quarterly review

M-89-02

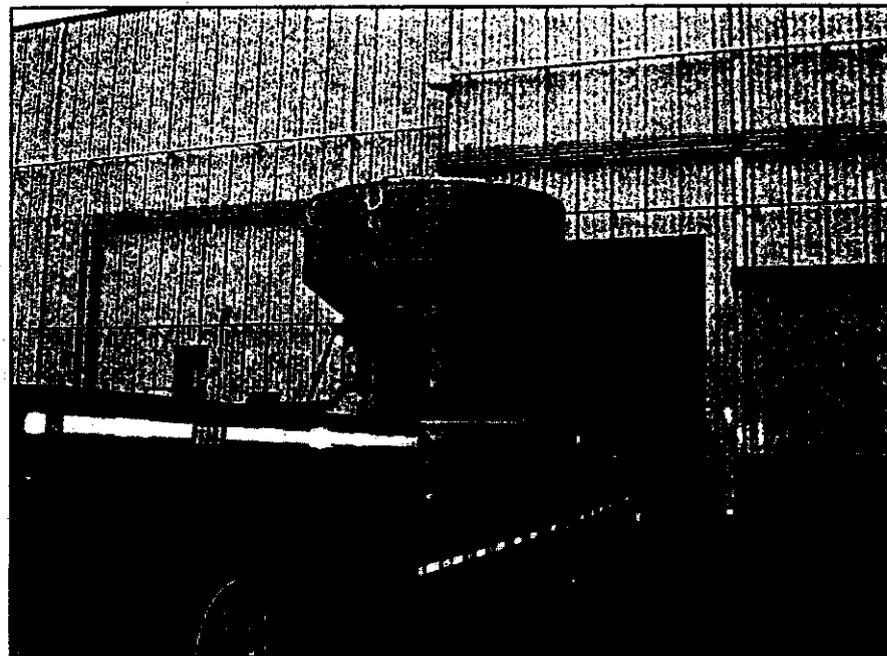
- 2A Rack size reduction was completed; the rack pieces, and associated waste, have been packaged in preparation for shipment to burial.
- Fabrication of the 22-T waste boxes has been initiated. Schedule delivery to start by the end of April.
- Shipment of four TRU grout containers has been completed.
- Dose profiling of 2A Rack grout containers has been initiated with currently two of six containers profiled.
- Completed repair of the 30-ton crane, the A Cell crane, and the B Cell crane door. Repair of the 30-ton crane was completed returning the crane to full service.
- Continued negotiations with SNF Program regarding alternative packaging for the SNF in B-Cell.
- An upgraded SEP for the 82B Shipping Cask to accommodate latest dose profiling information was released.
- Procurement of the ASTD robotics system from Cybernetics is ongoing with design/fabrication activities being performed. 324 Facility receipt date is scheduled for late September 2000.
- Completed and issued Rev 3 to the 324/327 Stabilization/Deactivation Project PMP.

RIVER CORRIDOR PROJECT

324 Facility Stabilization



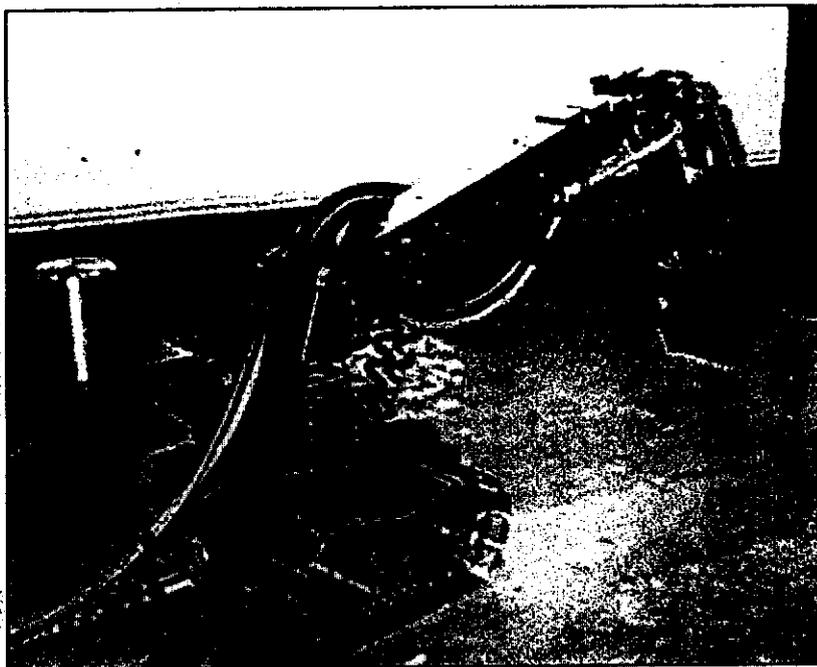
Hot Cell Technicians Ron Holeman and Mark Culverhouse use the 324 Building 30-ton crane to lower the grout container cask onto a shipping truck. The grout container is filled with remnants of the 1A Rack from B-Cell, the largest and most contaminated cell within the 324 Building. Hot Cell Operations Manager, Dave Jenkins, checks to see if the load is centered before final placement.



Grout Container #136, full of 324 Building's B-Cell rack remnants, is loaded into this 56,000-ton cask assembly and ready for shipment to the Low-Level Burial Grounds in the 200 Area. The shipment, sent out on March 22, 2000, is the first of a 17-shipment campaign in support of a Tri-Party Agreement interim milestone to clean out B-Cell by November 2000.

RIVER CORRIDOR PROJECT

824 Facility Stabilization



Dispersible Removal System (DRS) used to remove dispersible materials from the B-Cell floor, sump and trench.



The DRS comes with various end-effectors. These include the needle scaler, rotating wire brush and vacuum system to containerize dispersibles.

RIVER CORRIDOR PROJECT

324 Facility Stabilization

Significant Planned Actions

Next Three Months

M-89-02

- Continue shipping grout containers to LLBG for storage/disposal.
- Continue fabrication of 22 ton waste boxes.
- Continue ASTD Remote/Robot Work Platform fabrication.
- Receive DRS equipment to collect B-Cell dispersible material.
- Procure/fabricate additional 3-82B liners and grout containers.
- Perform size reduction and removal of miscellaneous items from B-Cell.
- Continue to stage full grout containers in A-Cell.
- Containerize B-cell floor dispersible materials.
- Segregate the three PNNL legacy MW grout containers.

River Corridor Project

324 Facility Stabilization

Issues

Issue:

Progress in meeting M-89-02 requires continued outyear funding to support activities.

• Status:

- EHI has covered FY-2000 \$1.2M shortfall with identified efficiencies
- IPL dated 4/10/00 shows funding in FY01 to meet M-89-02 commitments
- IPL dated 4/10/00 supports funding in FY02 to meet M-89-00 requirements

• Conclusion: Issue has been closed

Issue:

Progress towards completion of M-89-02 continues to lag behind schedule

• Status:

- Revision 3 of PMP resequenced tasks to demonstrate successful path to meet milestone
- Waste shipments have been resumed
- Rack size reduction has been completed

• Conclusion: Issue has been closed.

River Corridor Project

324 Facility Stabilization

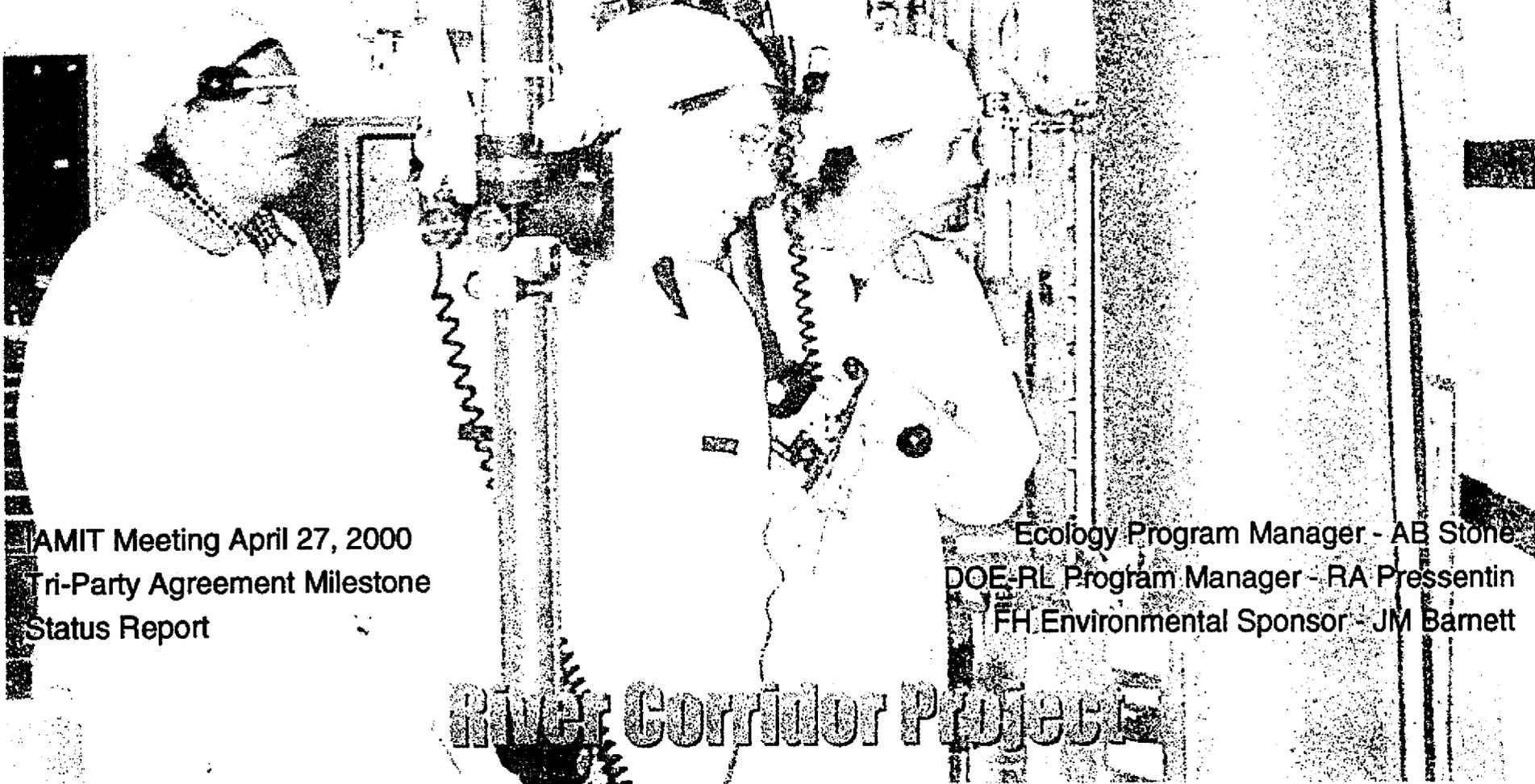
Project Summary

- Work continues to progress in accordance with the revised PMP (Rev. 3) and will accomplish M-89-02 by 11/30/00 and M-89/00 by 10/31/05 in accordance with their scheduled due dates.

River Corridor Project

Nuclear Materials and Facility Stabilization

Milestone TPA-M-92



AMIT Meeting April 27, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Program Manager - AB Stone
DOE-RL Program Manager - RA Pressentin
FH Environmental Sponsor - JM Barnett

River Corridor Project

Nuclear Materials and Facility Stabilization

Milestone M-92-00 Interim Milestones and Target Dates			
Milestone	Description	Target Date	Status
M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site cesium and strontium capsules (Cs/Sr), bulk sodium (Na), and 300 Area special-case waste (SCW).	TBD	TBD
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS.	12/31/09	On schedule
M-92-05	Inclusion of Hanford Site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS Phase II Request for Proposals (treatment and/or repackaging of all remaining Cs/Sr).	6/30/03	On schedule
MX-92-06-T01	Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU.	12/31/00	In progress
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford Site sodium.	In abeyance	On hold
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	In abeyance	On hold
MX-92-11-T01	Complete disposition options for all Hanford non-radioactive sodium.	3/31/02	On hold
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford Site 300 Area special-case waste (SCW).	9/30/06	On schedule
M-92-13	Submit 300 Area SCW PMP to Ecology pursuant to Agreement Action Plan, Section 11.5.	9/30/00	Submitted 3/28/00
M-92-14	Complete removal and transfer, and initiate storage of Phase I 300 Area SCW waste and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	9/30/02	Submitted 1/28/00
M-92-15	Complete removal and transfer, and initiate storage of Phase II 300 Area SCW waste and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials.	9/30/04	On schedule
M-92-16	Complete removal and transfer and initiate storage of Phase III 300 Area SCW and materials.	9/30/06	On schedule

River Corridor Project

NUCLEAR MATERIALS and FACILITY STABILIZATION

Program Manager's Assessment

Since last quarterly review

Environmental - Excellent

No negative environmental impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste (SCW) inventory.

Safety - Excellent

No negative safety impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste inventory.

Cost - Excellent

Key Milestone M-92 activities are being completed within budget.

RIVER CORRIDOR PROJECT

NUCLEAR MATERIALS and Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule – Excellent Items

- M-92-01: Capsules dispositioned as feedstock for Vitrification Plant during Phase II operations. Shipments planned from 2013 - 2017.
- M-92-05: The Phase 1 Tank Waste Treatment Plant under the Office of River Protection (ORP) is being designed such that an annex for processing cesium and strontium capsules could be incorporated later with minimal impact. The ORP baseline still assumes disposal of the capsules in Phase 2 in accordance with milestone M-92-05.
- M-92-09 and -10: Sodium Disposition items are on-hold pending a decision regarding future missions at the FFTF. The due dates for these milestones have been changed to "in abeyance."
- M-92-13: The 300 SCW PMP was submitted to Ecology on 3/28/00, 6 months ahead of schedule.
- M-92-14: The shipment of Phase I SCW materials was completed, with documentation to support that conclusion included in the PMP and letter to Ecology dated 3/28/00.

RIVER CORRIDOR PROJECT

Nuclear Materials and Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule - Concern Item

MX-92-06-T01

- Uranium trioxide powder (T-hoppers) and fuel billets disposition discussions between Oak Ridge (Portsmouth, OH) and Hanford are continuing. Tentative start of shipments from Hanford to Oak Ridge is June 2000. At this time Hanford is expected to only ship approximately 50% of the Uranium inventory to Oak Ridge.
- The Safety Analysis Report for Packaging (SARP) modification for Uranium billets is still at DOE-HQ for review. It is expected to be completed sometime in May, 2000.
- Alternative disposition paths are being explored for the Uranium fuel inventory.
- There are several hurdles facing this project:
 - If a FONSI to the Hanford EA is not issued by 4/28/00, then the project is in jeopardy of not meeting the milestone.
 - Hanford cannot publish its FONSI until Oak Ridge submits a Notice of Intent.
 - This is a FH super stretch performance incentive. If no/not enough funding is found to execute the disposition the milestone is in jeopardy.
 - If the SARP is not approved by DOE-HQ by 5/31/00, then billets cannot be shipped to Portsmouth before 9/30/00.

River Corridor Project

Nuclear Materials and Facility Stabilization

Significant Accomplishments

Since last Quarterly Review

MX-92-

11-T01

Sodium residue was removed from the last of the tanks which had been moved from 221-T Building.

MX-92-

06-T01

Completed public review of the EA on 2/22/00 after a 30-day extension for public comment. Initiated comment disposition and conducted a uranium market review with commercial uranium vendors to determine marketability of Hanford Unirradiated Uranium. The fuel material is out-of-spec for commercial reactor use. At present the uranium market is flooded and there is no market for this material in the next 10 years.

M-92-13

The SCW Project Management Plan (HNF-5068, Rev. 1) was issued by FHI. RL comments were incorporated and the document was sent to Ecology on 3/28/00. Done.

M-92-14

Milestone completed based on SCW PMP submission to Ecology on 3/28/00. Done.

M-92-00

Reevaluated the Draft M-92 Memorandum of Agreement responsibilities due to DOE-RL restructuring.

River Corridor Project

Nuclear Materials and Facility Stabilization

Significant Planned Actions

Next Three Months

MX-92-06-T01

- Finalize the EA.
- Begin shipments of the T-hoppers and billets to Portsmouth (pending EA outcome).
- Determine the path forward for the remaining fuel inventory with EPA and Ecology.
- If the FONSI is obtained, funding is found, and if the SARP is approved, then shipping to begin in June 2000.

M-92-11-T01

- Initiate cleaning of the residual sodium-potassium (NaK) alloy from the 337 B High Bay Building cold trap cooling system using the water vapor-nitrogen process.

M-92-13

- Waiting for Ecology concurrence.

M-92-14

- Waiting for Ecology concurrence.

M-92 -15 and 16

- Continue to package legacy waste buckets within the 327 Building hot cells and ship the waste buckets to storage in the 200 Waste Area.

River Corridor Project

Project Summary

The near-term milestones are being completed on or ahead of schedule.

- M-92-06-T01 (non-enforceable): In jeopardy considering hurdles to overcome.
- M-92-13, -14: Done.
- M-92-15, -16: On schedule.

Distribution:

J. M. Barnett	FH	L1-05
S. E. Chalk	DOE	L1-02
B. L. Charboneau	RL	L1-02
C. E. Clark	RL	A5-15
B. L. Curn	FH	G1-29
G. P. Davis	FH	B5-18
L. A. Dietz	BHI	H0-20
R. H. Engelmann	WMH	G1-30
T. L. Erickson	FH	L1-02
D. T. Evans	RL	A6-38
R. L. Guillen	RL	L1-03
J. W. Hales	FH	A3-02
R. E. Johnson	FH	G1-29
J. M. Kisielnicki	FH	L1-04
D. C. Langstaff	RL	L1-08
T. Martin, Jr.	RL	L1-08
T. K. Masterson-Heggen	Ecology	B5-18
E. M. Mattlin	RL	A5-15
A. Montelongo	FH	L1-04
J. K. Perry	FH	L1-04
R. E. Piippo	FH	A5-15
S. M. Price	FH	A0-22
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D. E. Rasmussen	FH	L1-04
J. G. Riddelle	FH	L1-02
D. J. Riffe	FH	L5-66
M. M. Serkowski	FH	L1-05
S. J. Skurla	Ecology	B5-18
J. M. Steffen	FH	L5-66
A. B. Stone	Ecology	B5-18
C. P. Strand	FH	A3-02
D. W. Templeton	RL	L1-08
M. S. Wright	FH	L1-08
Y. K. Yerxa	DOE	A5-15

Environmental Portal

**ADMINISTRATIVE RECORD (two copies): 324 REC/HLV Closure Plan, S-3-4
[Care of EDMC, (H6-08)]**

**Washington State Department of Ecology Nuclear and Mixed Waste Hanford Files,
PO Box 47600, Olympia, Washington 98504-7600**

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