Meeting Minutes Transmittal

0054301

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

October 12, 2000
2:00 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.

D C Langstaff Date: 12/19/00
David C. Langstaff, RL Representative

Frederick F. Bond Date: 12/19/00
F. W. Bond, Washington State Department of Ecology

David E Rasmussen Date: 12/19/00
D. E. Rasmussen, Contractor Representative, FH

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 – 324 Building B-Cell Highlights for 10/12/00 PMM
Attachment 5 – Issue Paper - Grouting of 324 Building B-Cell Low-Level Waste Grout Containers (GCs) to Meet RL Milestone to Complete GC Shipments from M-89-02 Cleanout by July 31, 2001

Attachment 1

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

October 12, 2000
2:00 p.m. - 3:00 p.m.

AGENDA

1. Introduction(s)

2. Previous meeting minutes

3. B-Cell cleanout project status

   a. Recent progress/highlights

   b. Milestone M-89-02 actions/performance standards/M-89-02 checklist (see action below to schedule workshop meeting)

   c. Grouting of LLW grout containers (non-MW) to meet RL milestone to complete shipments of GCs (from B-Cell M-89-02 cleanout) by 7/31/00

4. Action item review

   a. Action to schedule M-89-02 checklist workshop meeting

   b. Action to provide Ecology with weekly updates of planed B-Cell cleanout activities from facility path forward meetings

   c. Other action(s)

5. Other topics/discussions

   a. Future 324 Building visits/workshops as appropriate

   b. TPA Milestone Review, IAMIT 10/24/00, M-89, M-92

   c. Other topics

6. Schedule next meeting

324 REC/HLV
Project Managers Meeting
Federal Building, Room 554
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October 12, 2000
2:00 p.m. - 3:00 p.m.

1. Introductions

Jeanne Kisielnicki was introduced as the Fluor Hanford (FH) 324 Building waste management project manager.

2. Previous Meeting Minutes

The September 14, 2000 Project Manager Meeting (PMM) minutes will be reviewed by Ecology for recently incorporated comments before final approval.

3. B-Cell cleanout project status

a. Recent progress/highlights

N. Krohn (FH) reported on several recent highlights, as outlined in Attachment 4. The lifting yoke was bent during a lift of a rectangular overpack disposal container (RODC), and was later straightened after structural requirements were reviewed. A backup lifting yoke has been procured. Supplemental lead shielding is being placed in the bottom of the rectangular grout containers (RGC) prior to entry into B-Cell to satisfy revised waste acceptance criteria at the destination TSD unit (Central Waste Complex [CWC]). The first Steel Waste Disposal Box (SWDB) package that was shipped did not contain the supplemental RGC lead shielding, but the remainder of the mixed-waste containers will. Six RGCs have been filled/loaded, and three have been loaded out from B-Cell and shipped to the CWC.

There is an issue with the radiation dose rates for RGC-9 (RODC-324-00-117). This RGC was placed in on a RODC to perform preloadout dose rate measurements to analyze for potential high dose rate hot spots. Based on the SWDB containerized system, there is a space between the lead shielding on the RGC and the wall of the SWDB where radiation shine is coming through. Dose rate measurements on RODC-324-00-117 indicate that this container will have estimated SWDB bottom hot spots of approximately 17,000 millirem/hr on contact. The acceptance criteria at the CWC is 200 millirem/hr at contact, with hot spots allowed up to 1000 millirem/hr. The three SWDBs shipped to the CWC to date had bottom hot spots ranging up to 800 millirem/hr, which meet CWC hot spot criteria of 1,000 millirem/hr. J. Kisielnicki indicated that exception letters were written and accepted for the first three SWDBs shipped, which all had bottom hot spots less than 1,000 millirem/hr. RGC-9 (324-00-117) currently is in an RODC in B-Cell. No attempt was made to perform loadout into an SWDB.

Current plans are to perform pre-loadout dose rate measurements on the bottom of all RODCs to ensure compliance with CWC waste acceptance criteria. Dose profiling, which measures the containers to confirm the amount of radioactive material, is ongoing. Preparations continued for the vacuuming equipment for the dispersible removal system. The methodology for conducting and documenting vacuuming of B-Cell has been defined and will use a systematic grid layout.

Regarding non-mixed waste (non-MW) removal, the HEPA filters that were replaced in B-Cell last month were size reduced. Grout container 120 was loaded with non-MW items and staged in A-Cell.

R. Bond (Ecology) inquired about the safety analysis regarding the outside the 90-day accumulation area. D. Rasmussen (FH) responded that a detailed engineering analysis is ongoing, which is targeted for completion by FH within approximately two weeks. The analysis will provide the basis for preparing an addendum to the applicable Safety Analysis Report.

Due to problems with the three-ton crane, the unanticipated bottom hot spots on the SWDBs, and the need for additional dose profiling, a 14-day negative impact in the schedule was estimated. The Tri-Party Agreement M-89-02 milestone deadline for removal and shipment of mixed waste and removal and staging of non-MW from B-Cell is November 30, 2000. J. Yerxa (RL) noted that the IAMIT quarterly milestone review meeting is October 24, 2000, and he suggested presenting these issues during the M-89 presentation. T. Heggen (Ecology) requested an issue paper identifying the problems. An action was set up for an issue paper to be provided to Ecology before the October 24, 2000, IAMIT quarterly milestone review meeting.

b. Milestone M-89-02 actions/performance standards/M-89-02 checklist (see action below to schedule workshop meeting)

T. Heggen stated that the revised checklist accurately incorporates all of the agreements between Ecology, FH and RL. R. Bond had not yet completed review of the checklist. Therefore, Ecology was not yet ready to issue a statement of concurrence/non-concurrence with the checklist. R. Bond stated that he will notify FH and RL if the checklist can be finalized after his review is completed. A workshop was set up with Ecology, FH and RL for October 26, 2000, at the 3763 Building to review the checklist and conduct a tour of the loadout process at B-Cell.

c. Grouting of LLW grout containers (non-MW) to meet RL milestone to complete shipments of GCs (from B-Cell M-89-02 cleanout) by 7/31/01

D. Rasmussen initiated a discussion regarding the eventual grouting of non-MW grout containers. Of the approximately 23 non-MW grout containers that will be produced and staged in A-Cell, about five are expected to be categorized as low-level radioactive waste as opposed to transuranic (TRU). Those five grout containers will need to be temporarily moved back into B-Cell to allow grout to be inserted.

A short break was taken during which FH and RL discussed the appropriateness of distributing an unreviewed issue to Ecology. The one-page issue paper was distributed following the break (Attachment 5). The discussion continued from Attachment 5. T. Heggen asked about recontamination of B-Cell once the waste is removed and the cell is vacuumed by bringing the non-MW grout containers back in for grouting. D. Rasmussen noted that the focus is on removing the mixed waste from B-Cell, and if grout is spilled it is non-MW. D. Rasmussen added that it would be easier to clean up any spilled grout from a surface that had already been vacuumed.

T. Heggen asked if the intent of milestone M-89-02 would be met if grouting of the five containers takes place after the November 30, 2000, deadline. J. Perry (FH) responded that as applied to the above described non-MW management activity, the milestone performance standard has room for interpretation. T. Heggen said that Ecology would have to discuss this matter internally before issuing a statement of concurrence/non-concurrence. T. Heggen inquired about grouting in B-Cell affecting any waste handling compliance issues. D. Rasmussen indicated there would be no issues. T. Heggen then asked if Ecology had the detail of understanding that B-Cell would eventually be used for grouting. J. Perry said yes. Mr. Perry stated that the grouting equipment is on the list of equipment that will be used in B-Cell for remaining closure activities beyond November 30, 2000, which include removal of the material adhered to the cell surface.

An action was set up to provide the 324 REC/HLV PMM minutes for review to Ecology by 10/19/00.

4. Action Item Review

a. Action to schedule M-89-02 checklist workshop meeting

A meeting was scheduled for October 26, 2000.

b. Action to provide Ecology with weekly updates of planned B-Cell cleanout activities from facility path forward meetings

Ecology is being provided weekly updates.

c. Other action(s)

The two new actions were: 1) provide Ecology with a description of the problems occurring in B-Cell before the 10/24/00 IAMIT meeting; 2) provide Ecology with a draft of the 324 REC/HLV PMM minutes by 10/19/00.

5. Other topics/discussion

   a. Future 324 Building visits/workshops as appropriate

      A workshop was scheduled for October 26, 2000.

   b. TPA Milestone Review, IAMIT 10/24/00, M-89, M-92

      The presentation materials for the IAMIT meeting will be provided to Ecology on 10/17/00.

   c. Other topics

      There were no new topics for discussion.

6. Schedule Next Meeting

   The next meeting was scheduled for November 9, 2000, at 2:00 p.m. at the Federal Building in Richland, Washington.

Attachment 3

Attendance List

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

Date: **October 12, 2000**

Original included in hard copy.

Name	Company	Phone Number
Jon Perry	FH/RCP	376-4791
Jeanne Kisielnicki	FH/RCP/324	376-7761
Rick Bond	Ecology	736-3007
Tina Heggen	Ecology	736-3701
Rob Piippo	FH/TPA	373-3285
Dave Evans	RL-FTD	373-9278
Dave Templeton	DOE-RL	373-2966
David E. Rasmussen	FH/RCP/327-327	376-3288
Edward Krohn	FH/RCP/324	373-1538
David C. Langstaff	RL-FTD	376-5580
Jon Yerxa	RL-RCA	376-9628

Attachment 4

324 Building B-Cell Highlights for 10/12/00 PMM

324 Building B-Cell Highlights for 10/12/00 PMM

Mixed Waste (MW) Removal Activities:

- Procured and received replacement lifting yoke for Rectangular Overpack Disposal Containers (RODC)
  - Straightened bent RODC lifting yoke, so have backup
- Pre-loaded lead shielding into RGCs to prepare for entry into B-Cell
- Containerized MW into Rectangular Grout Containers (RGCs)
  - Revised RGC loading plans and loaded RGC-6, RGC-8, RGC-5, and RGC-10
- Prepared and loaded RGCs into RODCs for RGC-8 and RGC-9
  - *RGC-9 has 170R hot corner, resolution activities are in progress*
- Obtained bottom grid dose rate measurements for RGC-5, RGC-8, and RGC-9 to support analysis of any potential hot spots
- Performed dose profiling for GCs to support loadouts
- Performed loadout of RGCs/RODCs into SWDBs
  - Completed SWDB Loadouts #1, #2, and #3 (of 14 planned loadouts)
  - RGC-6 exhibited hot spot on bottom, 400 millirem/hour
- Successfully completed SWDB overpack leak test(s) for vulcanized o-ring material
  - Completed SWDB overpack pre-shipment leak tests
- Completed SWDB Shipments #1, #2, and #3 (of 14 planned shipments)
  - Shipment #1 (RGC-4) completed 9/28/00
  - Shipment # 2 (RGC-6) completed 9/30/00
  - Shipment #3 (RGC-8) completed 10/09/00
- Performed cold tests with Dispersible Removal System (DRS) out of cell to prepare for systematic vacuuming and documenting for the remaining B-Cell dispersibles

Non-Mixed Waste Removal Activities

- Completed size reduction of B-Cell HEPAs and Rack Face Jumper
- Weighed and dose profiled GC-120 and staged in A-Cell
- Size reduced empty container RGC-3 (clean, no future use)
- Disposition of GC-88, which has 12" to 15" of grouted material in bottom is on temporary hold while work is focussed on MW activities above

Key Support and Maintenance Activities:

- Determined problem with 3-ton crane, insufficient clearance between sheave idler and hoist mounting pin prevented completion of wire rope installation (repair will require partial disassembly or removal of hoist)
- Completed hot cell window oil replacement for selected windows

Attachment 5

Issue Paper - Grouting of 324 Building B-Cell Low-Level Waste Grout Containers (GCs) to Meet RL Milestone to Complete GC Shipments from M-89-02 Cleanout by July 31, 2001

Grouting of 324 Building B-Cell Low-Level Waste Grout Containers (GCs) to Meet RL Milestone to Complete GC Shipments from M-89-02 Cleanout by July 31, 2001

Issue Definition (10/12/00): An RL milestone has been defined to complete the non-mixed waste grout container (GC) shipments from B-Cell cleanout by July 31, 2001. These GCs (from B-Cell M-89-02 cleanout) will be removed from B-Cell and staged in A-Cell prior to November 30, 2000, in support of the M-89-02 milestone. Some of the GCs will be categorized as Low-Level Waste (LLW) and will require grouting (in B-Cell) prior to shipment to meet LLW packaging/acceptance requirements. Grout containers are being staged in A-Cell while B-Cell mixed waste (MW) removal and shipping activities are completed by November 30, 2000, in support of the M-89-02 milestone. In an effort to avoid interference with completion of the B-Cell mixed waste removal and shipping activity by November 30, 2000, it is recommended that the grouting of any LLW GCs staged in A-Cell should be deferred until after November 30, 2000. Grouting of LLW GCs after November 30, 2000, is consistent with completion of GC shipments by the RL milestone date of July 31, 2001, as required by Ecology. However, the grouting equipment is located within B-Cell, which will necessitate temporarily bringing the containerized GCs (non-mixed waste) back into B-Cell to enable grouting to be performed. The grouting equipment has been approved as required equipment for future deactivation/closure activities. The grouting step does not introduce or reintroduce any mixed waste into B-Cell. Ecology approval through regulatory discretion is requested to allow deferral of the grouting step until after completion of the mixed waste shipments (11/30/00).

Supporting Rationale:
1) This approach does not introduce or reintroduce any mixed waste into B-Cell.
2) Processing of GCs would be consistent with the normal process:
   -Fill GC with non-MW items
   -Move GC to Airlock to perform dose profiling
   -Move GC from Airlock to A-Cell for staging
   -Complete evaluation to perform LLW/TRU determination while GC is staged in A-Cell
   -Continue to stage GC in A-Cell until time for shipment (after M-89-02 MW shipments)
   -Before shipment, temporarily move GC from A-Cell to B-Cell to perform grouting step
   -Complete GC pre-shipment waste portfolio and waste acceptance
   -Ship GC to 200 Area
3) This activity supports commitment to complete GC (non-MW) shipments by 7/31/01

Advantages:
-Minimizes time LLW GC is in B-Cell
-Reduces congestion in B-Cell during this critical time of B-Cell MW removal/shipment
-Allows LLW/TRU determination while immediate MW loadout plans are executed
-Simplifies handling/grouting of the grout containers that will be categorized as LLW

Compliance Considerations:
--Grouting of LLW GCs does not introduce any mixed waste to B-Cell
--Grouting step for LLW GCs needs to be performed prior to GC shipment
--Grouting Equipment is included in the approved list of usable deactivation equipment (Attachment 4 of the 324 REC/HLV Project Managers' Meeting minutes, May 18, 2000)
--Grouting of future LLW GCs (beyond those filled as part of M-89-02 cleanout activities) is required to support B-Cell closure activities following completion of M-89-02

Distribution:

J. M. Barnett	FH	L1-05
F. W. Bond	Ecology	B5-18
W. M. Brantley	FH	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. G. Hastings	RL	N2-36
R. E. Johnson	FH	G1-29
E. F. Krohn	FH	L1-02
J. M. Kisielnicki	FH	L1-04
D. C. Langstaff	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
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
D. G. Singleton	Ecology	B5-18
C. P. Strand	FH	A3-02
D. W. Templeton	RL	L1-08
G. A. Williams	RL	A5-15
K. L. Williams	RL	A6-38
M. S. Wright	FH	L1-08
Y. K. Yerxa	DOE	A5-15
Environmental Portal		A3-01

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