

Meeting Minutes Transmittal

WASTE ENCAPSULATION AND STORAGE FACILITY (WESF)
PROJECT MANAGERS MEETING
825 Jadwin / Room 540S/700 Area
Richland, Washington
February 23, 2017

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 the content only and are not intended to imply agreement to any commitments.

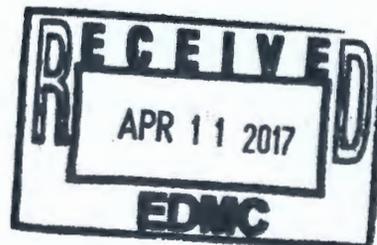
Stephan Schiff
Project Manager Representative, Ecology

Date: 4/4/17

Julie A. Reddick
Project Manager Representative, RL

Date: 3-28-2017

Administrative Record H6-08



**WASTE ENCAPSULATION AND STORAGE FACILITY (WESF)
PROJECT MANAGERS MEETING MINUTES
825 Jadwin / Room 540S/700 Area
Richland, Washington**

February 23, 2017

- I. The December 8, 2016 project managers meeting (PMM) minutes were approved and will be submitted to the AR. There was no PMM held in January 2017, per agreement between RL and Ecology.
- II. Operational Status
 - A. Facility Operations - Dave Watson (CHPRC) reported that the preventative maintenance on the 15-ton bridge crane in the canyon is under way. The crane will be used for waste load out and to remove debris and the cover block over the truck port. Stephanie Schleif (Ecology) inquired about removal of debris and the truck port cover. Mr. Watson explained that the truck port cover will be lifted to remove debris from the canyon to the truck port. Ms. Schleif asked about the purpose of removing debris from the canyon. Mr. Watson responded that it is getting crowded in the canyon, and removal of some negative air machines and grout hoses will provide more space.

RCRA Closure Operations – Stabilization of Hot Cells - Mr. Watson reported that there was a radiological event in the canyon in December 2016, when the dose rates in a portion of the temporary exhaust ducting coming out of Hot Cell C exceeded the limit in the radiological work permit (RWP). Grouting of the hot cells is on hold while the radiological hazards in the canyon are assessed. Mr. Watson stated that efforts are under way to drive the radiological contamination back into C Cell by reversing the ventilation into C Cell and by physically manipulating the flex duct. Ms. Schleif inquired about the source of the higher levels of contamination and why the higher levels were not anticipated. Mr. Watson responded that when the hose used to convey grout into C Cell was being cleaned by pushing a foam ball through the hose via compressed air, it was noted that contamination was driven from C Cell into the exhaust duct. The levels of contamination in the duct were measured at 900 rad per hour, which is a shallow dose. Mr. Watson noted that a shallow dose is a dose equivalent to an extremity, or a skin depth of 0.007 centimeters. Mr. Watson added that the dose level has been reduced to 200 rad per hour by manipulating the flex duct, and a fixative has been applied to the duct. The flex duct is being removed and will be replaced, and then grouting of the hot cells should resume.

Ms. Schleif asked if grouting of the hot cells will resume under the existing RWP. Mr. Watson responded that an appropriate RWP will be in place. Mr. Watson stated that instead of pumping grout into the cells directly from the grout pump located outside, the grout will be pumped into hoppers above the hot cells, and then the grout will flow into the hot cells via gravity from the hoppers. The intent is to avoid disturbing any contamination in the hot cells and to prevent it from coming back out of the cell. Stephanie Johansen (CHPRC) noted that offsite testing with the hoppers has been conducted under non-contaminated conditions to ensure it would work. Mr. Watson added that the practice of flushing out the grout line with a foam ball into a hot cell will be suspended, so the testing was done to ensure the grout flow could be maintained and avoid grout hardening and settling in the line.

Ms. Schleif referred to the grout lifts that are above the viewing windows and asked if any leaking through the hot cell windows was observed. Mr. Watson responded that no leaking has been observed. Mr. Watson added that all of the electrical and mechanical penetrations

of the service gallery and operations gallery have shown no signs of leaking. Ms. Schleif asked about the number of lifts that have been placed in each of the hot cells. Mr. Watson stated that three lifts have been placed in hot cells A, B, D, E and F, with four lifts in C. Mr. Watson added that after recovery from the radiological event in the canyon, a plan will be developed for completing the grouting, and the remaining lifts may be cut down to two additional lifts per cell. Ms. Schleif inquired about an approximate date for resuming grouting in the hot cells. Mr. Watson responded that a date could not be provided at this time. Ms. Johansen noted that due to the radiological conditions, several Hazard Review Boards were required, which involves senior management review of all the work documents associated with the work evolution. Ms. Johansen added that as a result of the Hazard Review Boards, the level of detail for planning has been extremely rigorous and time consuming. Ms. Schleif requested notification when the grouting resumes. **Mr. Watson agreed to notify Ms. Schleif when grouting of the hot cells resumes.**

Project W-135 – Ms. Schleif inquired about the conceptual design for modifications to WESF to support removal and packaging of capsules. Mr. Watson responded that the main pathway for removal of the capsules to the dry storage area will be through the truck port, and there will be an interface between the truck port and G Cell to include removal of the G Cell cover block. Mr. Watson added that devices will be placed in G Cell and the truck port. More details will be available when the conceptual design is complete. Ms. Johansen added that removing the capsules from the pool cells is currently a manual evolution, which may not support a timely removal of that number of capsules, and the process is being reviewed for possible changes.

Ms. Schleif asked if the modification would only be for the G Cell closure plan and the pool cells. Ms. Johansen responded that RL/CHPRC have an action and are in the process of setting up a meeting with Ecology to discuss some of those issues. Ms. Johansen stated that the permitting plan calls for updating the Part B application to reflect the modifications to WESF, which is what RL/CHPRC are planning to do, but a meeting with Ecology is needed to understand the current status and the path forward. Ms. Johansen noted that when the permitting plan was written, the parties may have envisioned Rev. 9 would be at a different point than it currently is. Ms. Schleif indicated that if the project schedule has movement of the capsules out of WESF in the next two years, the closure modification would probably go into 8C. Mr. Watson added that as the conceptual design matures and undergoes review, some of the technical details will become clearer by summer 2017.

Other Items – Mr. Watson stated that Ecology issued an inspection closeout letter on the inspection conducted on some of the stationary combustion engines at WESF, which includes the backup electrical generator to WESF cooling system.

III. Status of Previous Agreements and Commitments

A. There were no previous agreements and commitments to discuss.

IV. New Agreements and Commitments

A. There were no new agreements and commitments established.

V. Near Term Schedules and Ongoing Activities (Milestones, TSD Unit)

A. WESF Closure Plan

Mr. Watson reported on the closure activities under operational status.

B. HF RCRA Permit Rev. 9 Update

Ms. Johansen stated that the last meeting was held in December 2016 and there are a few topographical map issues that are to be resolved at the Tuesday site-wide permitting meeting. Ms. Johansen noted that the control copy has been made available to make the changes. Following resolution of the topographic map issues, CHPRC will complete drafting the Part A changes and provide them to Ecology for review.

C. Milestone M-092-05

Ms. Schleif requested establishing an agenda item for M-092-05, which is due in June 2017. Ms. Schleif stated that a meeting was held with RL to discuss revisions to M-092-05, since the milestone refers to a federal repository that has not been established, and incorporating milestones to include an interim storage area. **Ms. Schleif requested an action item for RL to follow up on the M-092-05 discussions.** Julie Reddick (RL) took the action to follow up on the discussions. Robert Long (RL) will follow up with Al Farabee (RL), who was present during the M-092-05 meeting with Ecology.

VI. Approved Changes Signed Off in Accordance with TPA Section 12.2

A. There were no approved changes to discuss.

VII. General Discussion

A. Ms. Schleif initiated a discussion regarding the relocation of the core drilling location, which was originally between B and C Cell, to near the airlock as described in the closure plan. Ms. Schleif noted that Ecology sent an email to RL/CHPRC regarding the proposed change, and RL sent a response to Ecology's email last week. Ms. Schleif stated that Ecology requested submittal of a Class 1 Prime permit modification to reflect the update, and the sections were listed that need to be updated. RL's email in response to Ecology's request provided justification for not making a permit change. Ms. Schleif noted that submittal of the Class 1 Prime was requested by February 28, 2017, but the issue has since been elevated to senior management. Ecology will be sending a letter to RL to address the issue, since the parties are in disagreement regarding a permit modification, and a draft of the letter will be shared with RL/CHPRC at least 24 hours before the final letter is sent. Ms. Schleif stated that the letter has not been drafted, but it should be sent sometime next week.

VIII. Actions

Unit	Description of Action	Status	Date
Permitting	RL/CHPRC to provide Ecology the capsule extended storage permitting schedule	New	10/27/16
	Ms. Johansen will schedule a meeting with Ecology to discuss the capsule extended storage permitting schedule	Open	12/8/16
	RL/CHPRC provided Ecology dates for a meeting. Ms. Schleif will follow up later today to schedule a meeting. Ms. Schleif requested including the schedule as part of the minutes.	Open	2/23/17
M-092-05	Ms. Reddick to follow up on discussions during meeting with Ecology regarding M-092-05	New	2/23/17

IX. Documents for Submittal to the Administrative Record

- A. The December 8, 2016 PMM minutes were identified for submittal to the AR.
- X. Next Project Managers Meeting
 - A. The next PMM was scheduled for April 27, 2017.

FACILITY OPERATIONS

- Routine inspections and surveillances continue.
- Preventative maintenance on the 15 Ton bridge crane in the Canyon is coming due and a prerequisite to removal of debris from the Canyon and completing Hot Cell grouting.
- K3N ventilation system continued uninterrupted operation during inclement conditions.

RCRA CLOSURE OPERATIONS –STABILIZATION OF HOT CELLS

- Grouting the interior of Hot Cells A, B, C, D, E, and F has been completed over 50% to a level above the viewing windows. Hot Cell A Air Lock has also been partially grouted. Completion of grouting activities has been affected by winter weather, road conditions, and increased radiological dose rate measurements in a portion of temporary flexible ventilation duct used to direct the air coming out of Hot Cell C during grouting to a local air treatment system.
- Grouting the Hot Cells is expected to commence following efforts to reduce radiological dose rates that include transferring radiological contamination back into Hot Cell C, applying a fixative to the interior of the flexible ducting, and removal of the flexible ducting.
- Waste generated from project construction consisting of debris and radiologically contaminated hardware is periodically being sent to ERDF for disposal.

MANAGEMENT OF CESIUM AND STRONTIUM CAPSULES (PROJECT W-135)

- Conceptual design for the Cask Storage System (CSS) which includes the storage and transfer systems and associated equipment necessary to support the retrieval, packaging, and transfer of the capsules to extended storage, i.e. Capsule Storage Area (CSA) is in progress. Conceptual design for the CSA is also in progress.
- Conceptual design for modifications to WESF to support the removal and packaging of capsules has also been initiated.

PERMITTING ACTIVITIES

- Work continues on drafting RCRA permitting documentation associated with Project W135.
- Ecology issued an inspection close-out letter for Hanford Air Operating Permit Discharge Points, E-225BC 001 and E-225BG 001 at WESF per 17-NWP-015.

Waste Encapsulation and Storage Facility Project Managers Meeting (WESF)

825 Jadwin / Room 641

Richland, Washington

February 23, 2017

ATTENDANCE LIST

Name	Organization	Phone Number
1. Sandy Shore	CHPRC	373-9709
2. David Watson	CHPRC	373-3250
3. Kathy Kay	Court reporter	946-5535
4. Mitch Marrott	CHPRC	373-7351
5. JULIE REDDICK	DOE RL	376-2003
6. Sasa Kosjerina	CHPRC	373 205-2217
7. Stephanie Jotanski	CHPRC	373-1031
8. Liliann Bander	Ecology	372-7951
9. Stephanie Schlef	Ecology	372-7927
10. Bob Long	DOE-RL	6-7754
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**WASTE ENCAPSULATION AND STORAGE FACILITY
(WESF) PROJECT MANAGERS MEETING**

**825 Jadwin / Room 540S
Richland, Washington**

**February 23, 2017
9:00 A. M. to 9:30 A. M.**

AGENDA

- I. The October Waste Encapsulation and Storage Facility (WESF) Project Managers Meeting (PMM) Minutes were submitted to the Administrative Record (AR).
- II. Operational Status
- III. Status of Previous Agreements and Commitments
- IV. New Agreements and Commitments
- V. Near Term Schedules and Ongoing Activities (Milestones, TSD Unit)
 - A. WESF Closure Plan
 - B. HF RCRA Permit Rev. 9 Update
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
- VII. General Discussion
- VIII. Actions

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- X. Next Project Managers Meeting