

Meeting Minutes Transmittal

**T Plant Complex, Low Level Burial Grounds,
Central Waste Complex, Waste Receiving and Processing
Project Managers Meeting
825 Jadwin / Room 540S
Richland, Washington**

October 30, 2014

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.


 _____ Date: Dec 4, 2014
 Project Manager Representative, Ecology


 _____ Date: 9 Dec 14
 Project Manager Representative, RL

Central Waste Complex Admin Record	H6-08
LLBG Administrative Record	H6-08
T Plant Complex Admin Record	H6-08
Waste Receiving and Processing Admin Record	H6-08
JV Borghese	H8-43
MS Collins	A6-38
BJ Dixon	T4-09
PE Eberlein	H0-57
LC Fearon	H0-57
RH Engelmann	H8-45
SK Johansen	T1-41
PW Martin	H8-45
LC Petersen	T4-06
DG Singleton	H0-57
LC Tuott	H8-43

T PLANT/LLBG/CWC/WRAP
Project Managers Meeting Minutes
825 Jadwin/Room 540S/700 Area
Richland, Washington

October 30, 2014

- I. The August 28, 2014 project managers meeting (PMM) minutes were approved and will be submitted to the Administrative Record (AR). The September 25, 2014 PMM minutes are pending approval after a revision to the minutes is made.

- II. Operational Status

Linda Petersen (CHPRC) provided the operational status (see handout). Ms. Petersen stated that the Hazard Review Board (HRB) met on October 29, 2014, to review the work package for lifting and overpacking the 231ZDR-11 waste box. Ms. Petersen noted that the 231ZDR-11 box will be placed in the IP-1 liner and then into a metal box. Deborah Singleton (Ecology) asked if there were any results or issues from the HRB review, or if a time line was given. Mike Collins (RL) responded that no time line was developed from the HRB review, but the plan is to initiate the work in early December 2014. Mr. Collins noted that the December time frame is based on receipt of the IP-1 box, and that weather will be a concern. Mr. Collins stated that the HRB provided a few minor comments regarding the work package, and CHPRC is revising some of the steps in the work package. Mr. Collins added that the procedures will be in place before the IP-1 box is received. Ms. Petersen noted that the manufacturer is in the process of fabricating the IP-1 box.

Ms. Singleton referred to the roof repairs at CWC, and asked if the roof has been repaired where there was a suspected roof leak onto a drum. Ms. Petersen responded that notice had been provided to Ecology regarding a roof leak, but it was determined that the small spot on the drum was not from a roof leak. Mr. Collins stated that an operator noticed the spot, and when the crew came in to check the area there was nothing left and a pH sample couldn't be taken. Ms. Petersen noted that the drum was overpacked. *Mr. Collins stated that follow-up information will be provided to Ms. Singleton.* Steve Lowe (Ecology) asked about the area that was cordoned off in WRAP where a drum leaked. Mr. Lowe indicated that the area was in 2404-WB. *Mr. Collins stated that it will be confirmed that the area in WRAP where the drum leaked was 2404-WB, and follow-on information will be provided to Mr. Lowe.* Ms. Singleton asked if there was any waste being stored at WRAP. Ms. Petersen responded that there are two drums currently being stored at WRAP in 2404-WC.

Regarding the RCRA-regulated container inventory, Mr. Lowe asked if the containers received are primarily from PFP. Mr. Collins responded that the containers at WRAP are not from PFP, but the containers received at CWC do include waste from PFP gloveboxes. Mr. Collins stated that the waste is sent to Permafix Northwest for repackaging and then sent to CWC. Ms. Singleton asked where the six containers from WRAP were sent. Ms. Petersen responded that most, if not all, of the containers had expired chemical products and are being repackaged. Ms. Petersen stated that the destination of the six containers would depend on whether they needed treatment at Permafix Northwest or were sent to CWC or another location. *Mr. Collins stated that the information would be provided to Ms. Singleton on the destination of the six containers from WRAP.*

Ms. Singleton asked if there would be an opportunity to send another box to Permafix Northwest from the outside storage area at CWC. Mr. Collins stated that CHPRC is in the process of identifying funds to move some of the drums from the outside storage area. Mr. Collins noted that there is an interest in moving some of the priority 1 drums, and CHPRC is also looking at how to manage the schedule for moving those drums. Ms. Singleton noted that there have been discussions between Ecology and RL regarding the containers that were identified by the Ecology compliance team and EPA. Mr. Collins asked if Ms. Singleton was referring to the containers that were identified on the watch list in the Discrepant Container Management Program (DCMP) and the Abnormal Container Management Program (ACMP) or if they were the Z-9 drums. Ms. Singleton stated that she was referring to the watch list drums, and it could also be the Z-9 drums. Mr. Collins indicated that he has not been involved in those discussions.

III. Status of Previous Agreements and Commitments

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

IV. New Agreements and Commitments

A. There were no items for discussion under this topic.

V. Near Term Schedules and Ongoing Activities

A. Agreed Order – Implementation

Rick Engelmann (CHPRC) noted that the 231ZDR-11 waste box was discussed under operational status. Mr. Collins reported that RL/CHPRC are working on Ecology's second request for information regarding AO 462, which is training. Mr. Collins noted that there is no schedule commitment for providing the information. Mr. Collins stated that the information is related to the American Society for Testing and Materials (ASTM), and Ecology requested that the training materials be modified to point out the requirement to follow ASTM procedures.

B. Hanford Facility RCRA Permit Rev. 9 Update

Ms. Singleton reported that Ecology has made significant progress addressing comments on the Solid Waste Operations Complex (SWOC) units, and Ecology continues to address comments and issues associated with Rev. 9.

C. 8C Updates, Closure Plans, Part B Application

Mr. Collins stated that RL/CHPRC are putting together information for a revised 8C to bring the SWOC facilities from interim status requirements to final status requirements. Ms. Singleton concurred with Mr. Collins statement.

D. Conceptual Agreement Packages

Ms. Singleton stated that Ecology continues with the development of the conceptual agreement packages (CAPs).

E. Sludge Storage at T Plant

Mr. Collins stated that there are some design activities occurring for T Plant, but the budget outlook for the next couple of years is not promising and sludge storage is not anticipated in the next few years. Mr. Lowe asked if there is a concept for the sludge storage. Mr. Collins responded that the sludge storage will be the same process that was done for the north load-out pit sludge from K Basins. Mr. Collins explained that a cell will be cleaned out, a leveling platform will be installed since the cells aren't flat, and storage racks will be installed to provide secondary containment. Mr. Collins stated that the storage racks will hold the sludge transfer and storage containers (STSCs). Mr. Collins noted that the STSCs are slightly different in size from the large diameter containers that held the north load-out

pit sludge, and the STSCs have no internal filters that caused problems with the large diameter containers. Mr. Lowe asked about the secondary containment. Mr. Collins stated that the storage racks are trays with guides in them for the containers.

Mr. Lowe asked if the sludge will be kept wet. Mr. Collins responded that the intent is for the sludge to come into T Plant wet and it will be kept wet. Mr. Collins noted that there will be a requirement to pick up a loaded cell with a crane and weigh the cell, and if the cell has lost a certain amount of weight then water will be added. Ms. Singleton asked why water needs to be kept in the cell. Mr. Collins stated that if the sludge dries out, it couldn't be mobilized when it is eventually taken out to be treated. Mr. Lowe asked about the unlikely event of finding liquid on the secondary containment tray. Mr. Collins responded that there will be leak detection, and if a leak is detected, a pump would be dropped in to pump out the liquid. Mr. Lowe asked if the cover blocks will be placed over the cells. Mr. Collins responded that the cover blocks will be placed over the cells.

Mr. Collins noted that there is an ongoing concern with the roof at T Plant, which was not built to today's standards. Mr. Collins stated that the standard is the American Concrete Institute 318, and there is not enough rebar in the roof. Mr. Collins added that the roof is designed in concrete panels on ledges, and if there were an earthquake causing the building to move in a certain way, the roof could fall in. Mr. Collins stated that the Defense Nuclear Facilities Safety Board (DNFSB) has expressed concern about the roof, but the Board is willing to accept the transient movement since the sludge it will be put in a cell with the cover blocks placed on top. Elis Eberlein (Ecology) asked if the crane is in the roof or if it is independent. Mr. Collins stated that the crane is inside the building and not attached to the roof. Mr. Eberlein stated that putting weight on the crane will not affect the roof. Mr. Collins agreed with Mr. Eberlein's statement, adding that the crane is a different issue since there are only two staff that have the ability to operate the crane. Mr. Collins stated that the crane is a 1920's shipyard crane, and it is more of an art than a science to operating the crane. Mr. Collins indicated that the two staff who can operate the crane are on disability and past retirement age, and attempts have been made to train new staff on the crane.

Ms. Singleton asked if the DNFSB's concern regarding the T Plant roof and the potential for the roof to cave in would impact the designation of the canyon as a containment building. Mr. Collins responded that it does not, adding that the ventilation system in the building is adequate for a confinement building. Mr. Collins indicated that there would have to be a major earthquake like the one that occurred at the Fukushima plant in Japan, and all operations would be stopped at that point. Mr. Lowe stated that EPA submitted several comments regarding the T Plant roof. Mr. Collins pointed out that the DNFSB is willing to accept sludge storage at T Plant since the sludge will be stored in cells underneath cover blocks and not on the canyon deck.

Mr. Lowe asked if alternatives have been considered for storing sludge at T Plant. Mr. Collins responded that he has not been involved in any discussions regarding sludge storage alternatives, other than no storage will occur on the canyon deck.

- VI. Approved Changes signed off in Accordance with TPA Section 12.2
 - A. There were no approved changes to sign.

VII. General Discussion

A. Joel Williams, Jr. (CHPRC) noted that Ecology had conducted a compliance inspection of the SWOC units, and during the inspection Ecology provided a list of the CAPs that have been completed but not yet approved. Mr. Williams indicated that the waste analysis plan (WAP), the inspection plan, the contingency plan and a couple other CAPS were on the list that Ecology provided. Mr. Williams stated that Kathy Conaway (Ecology) asked when RL/CHPRC would be initiating revision of permit, and Ms. Conaway was informed that no action could be taken until the CAPs are received. Mr. Lowe indicated that the process for developing the CAPs has been complex, with varied input from the Ecology hazardous waste group and EPA. Mr. Collins agreed that the CAP process is a difficult task.

VIII. Actions

Unit	Description of Action	Status	Date
CWC	RL will schedule a meeting with Ecology by the end of September 2014 to discuss disposition of tank D-10.	New Action	6/26/14
		Mr. Collins (RL) will schedule the meeting regarding tank D-10. Ms. Singleton (Ecology) stated that EPA needs to be involved in the discussion.	7/24/14
		Mr. Collins will schedule the meeting to be held before the October 30, 2014, PMM.	9/25/14
		Mr. Collins sent Ecology information regarding tank D-10 in lieu of scheduling a meeting. Ecology will notify Mr. Collins if the information is satisfactory or if a meeting needs to be scheduled.	10/30/14

IX. Documents for Submittal to the Administrative Record.

A. The August 28, 2014, PMM minutes were identified for submittal to the AR.

X. Next Project Managers Meeting

A. The next PMM was scheduled for December 4, 2014.

Waste Disposition Performance

Facility	Status
CWC	<ul style="list-style-type: none"> • Hazard Review Board (HRB) for lifting & overpacking 231ZDR-11 waste box on 10/29/2014 • Performing waste storage activities • Continued to monitor Box 231ZDR-11 in outdoor storage area A • Updating procedures to reflect AO requirements is ongoing • Mining, segregating, and overpacking watch list drums is ongoing <ul style="list-style-type: none"> • All Priority 1 drums have been overpacked • Continue to receive waste from onsite and offsite generators • Completed roof repairs for 2403-WA, 2403-WC, and 2403-WD. <ul style="list-style-type: none"> • Working on roof repairs for 2403-WB
LLBG	<ul style="list-style-type: none"> • Continuing receipt of waste shipments at Trench 31/34. • Continuing leachate collection & removal system operation at Trenches 31 & 34. • Continuing housekeeping activities* for Trench 94 and for burial grounds 4B, 4C, 3A, and 12B.
WRAP	<ul style="list-style-type: none"> • Continuing surveillance and maintenance activities. • Continuing floor maintenance activities at 2404-VB when resources & weather permit. No mixed waste containers with free liquids will be stored in this building without replacement secondary containment until the floor is repaired.
T Plant	<ul style="list-style-type: none"> • Continuing surveillance and maintenance activities.
<p>* Housekeeping in LLBGs includes tumbleweed monitoring & removal, control of vegetation growth, contamination control and (in trench 94) activities necessary to meet Navy, DOE, and contractor expectations.</p>	

RCRA-Regulated Container Inventory

of Containers and Volume

as of 10-27-2014

Facility	Drum/Small Container ¹	Medium Container/Box ²	Large Container ³	Total Volume
CWC (Sept)	5492 (1326 m ³)	462 (791 m ³)	384 (6684 m ³)	8,801 m ³
CWC (Oct)	5495 (1327 m ³)	469 (804 m ³)	384 (6684 m ³)	8,815 m ³
T-Plant (Sept)	6 (1 m ³)	3 (4 m ³)	2 (44 m ³)	49 m ³
T-Plant (Oct)	5 (1 m ³)	3 (4 m ³)	2 (44 m ³)	49 m ³
WRAP (Sept)	11 (1 m ³)	0 (0 m ³)	0 (0 m ³)	1 m ³
WRAP (Sept)	5 (1 m ³)	0 (0 m ³)	0 (0 m ³)	1 m ³

Footnotes regarding volumes:

1. 0.485 m³ (110 gallons; 17.1 ft³) or less
2. Greater than 0.485 m³ (110 gallons; 17.1 ft³) & less than 1.812 m³ (64ft³) (Standard Waste Box)
3. Greater than 1.812 m³

Waste Package Inventory in CWC Outside Storage Areas

CWC DWMU ^[1]	Number of Waste Packages in storage (1/24/2014)	Number of Waste Packages in storage (9/23/2014)	Number of Waste Packages in storage (10/27/2014)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	165	165	
Outside Storage Area B	11	11	11	
Tank D-10 Outside Storage Area	1	1	1	
East Outside Storage Area	0	0	0	
Shipping and Receiving Area	0	0	0	
Total =	185	177	177	

[1] DWMUs are based on those listed in the Agreed Order, exhibit B.

10/30/14

SWOC PMM

Attendees

Jane V Borg here

LINDA PETERSEN

Elis Eberlein

Deborah Snydton

Steve Lowel

Michael Collins

Brian Dixon

Joel Williams Jr.

Rick Engelmann

Kathy Knay

Benjamin Vannah

Brett M Barnes

P.S. Badger

T PLANT, LLBG, WRAP, AND CWC PROJECT MEETING
825 Jadwin / Room 540S
Hanford, Washington
October 30, 2014

1:15 p.m. to 2:30 p.m.

Agenda

- I. The August 28, 2014, and the September 25, 2014, Project Managers Meeting (PMM) Minutes are pending signature approval by RL and Ecology representatives and will be submitted to Administrative Record (AR) after approved.
- II. Operational Status
- III. Status of Previous Agreements and Commitments
- IV. New Agreements and Commitments
- V. Near Term Schedules and Ongoing Activities
 - A. Agreed Order - Implementation
 - B. HF RCRA Permit Rev. 9 Update
 - C. 8C updates, closure plans, Part B application
 - D. Conceptual Agreement Packages
 - E. Sludge Storage at T Plant
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
- VII. General Discussion
- VIII. Actions

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- IX. Documents for Submittal to the Administrative Record
- X. Next Project Managers Meeting