

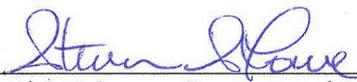
**Meeting Minutes Transmittal**

**T Plant Complex, Low Level Burial Grounds,  
Central Waste Complex, Waste Receiving and Processing  
Project Managers Meeting  
825 Jadwin / Room 554  
Richland, Washington**

**January 24, 2013**

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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.

  
\_\_\_\_\_  
Project Manager Representative, Ecology

Date: 3/28/2013

  
\_\_\_\_\_  
Project Manager Representative, RL

Date: 28 March 2013

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
MS Collins	A6-38
BJ Dixon	T4-09
LC Fearon	H0-57
RH Engelmann	H8-45
SK Johansen	T1-41
PW Martin	H8-45
DG Singleton	H0-57
LC Tuott	T4-06

T PLANT/LLBG/CWC/WRAP  
PROJECT MANAGERS MEETING MINUTES  
Project Managers Meeting  
825 Jadwin/Room 554/700 Area  
Richland, Washington

January 24, 2013

I. The October 25, 2012, Project Managers Meeting (PMM) minutes were approved. The December 6, 2012, PMM minutes will be signed at a later time by RL and Ecology.

II. Operational Status

A. Lee Tuott (CHPRC) provided the operational status. Mr. Tuott noted that since the last PMM, a pinhole leak was discovered in the fire water system in one of the buildings at CWC, and the leak has been repaired.

Mike Collins (RL) stated that the cost for the IP-1 bag and container and placing Box 231ZDR-11 into the IP-1 bag is approximately \$650,000. Mr. Collins indicated that about \$500,000 should be available, and contract efforts are under way to obtain the additional amount needed. The box will not be moved until the contract modification for the amount needed has been completed, due to anti-deficiency law restrictions. Mr. Collins stated that procurement of the bag has been initiated, but the fabrication of the box has not started. Mr. Collins added that a certain amount of funding is available for the fabrication. Steve Lowe (Ecology) asked about the cost for doing the field work. Mr. Collins explained that the field work is included in the \$650K, and the majority of the cost is associated with the IP-1 bag and container. Mr. Collins noted that a lot of the cost associated with the field work is schedule- and planning-related and obtaining the resources. Two cranes will be needed to move the box, and crane crews are in demand due to other high priority work (PFP, K Basin, etc). Mr. Collins added that there is a large crane that was used for retrieval in the 3A burial ground, and it is ready to be used as one of the two cranes.

Mr. Lowe asked about a tentative schedule for moving the 231ZDR-11 box. Mr. Collins responded that he just received a tentative schedule, but has not reviewed it yet. Mr. Lowe asked about a time frame for getting the box moved. Mr. Collins indicated that the time frame is not known at this time, but the intent would be to get it moved before the end of the 2013 calendar year. Mr. Lowe asked about the path for getting the box to Permafix. Mr. Collins responded that the path to Permafix is not part of the \$650K, and would be more related to Permafix's viability in the future. Mr. Lowe asked if the planning for next year is taking into consideration the potential status of Permafix. Mr. Collins stated that a compliance case for the TPA and cleanup efforts would have to be built, and then a request for funding would have to be made. Mr. Collins noted that the situation with the 231ZDR box would not be a TPA compliance situation, and there would be no driver to require shipment of the box through a compliance schedule in the next two years. Mr. Lowe pointed out that cleanup underneath the box cannot occur until the box is moved, and the goal would be to get the box bagged and moved and clean up the spill underneath in a more timely manner. Mr. Collins acknowledged the concern.

Mr. Lowe stated that during a visit to CWC, it was noted that a number of covers over boxes in the outside storage area needed to be replaced, and asked about the status. Mr. Tuott responded that replacing the covers is an ongoing activity. Mr. Collins added that the goal is to replace 50 covers this year, and about five to ten have been replaced. Inspection of the covers is part of the surveillance and maintenance activities. Mr. Lowe noted that there were some issues observed during the visit, and asked if the covers are prioritized for

replacement. Mr. Collins responded that the covers needing to be replaced are prioritized. Mr. Lowe commented that there haven't been very many covers replaced so far. Mr. Collins noted that winter is a slower time of year for some activities. Mr. Collins added that the covers are part of base operations and their replacement is funded.

Lee Fearon (Ecology) asked about the amount of activity in CWC during the past month in terms of storage and movement of waste. Mr. Collins responded that waste is going in and out of the facility, but not in large quantities. The newly generated type of waste is being sent to Permafix, which is not the M-091 legacy type of waste. There is waste coming in to CWC for a longer term storage. Mr. Collins stated that CWC acts as a sort of way station, and gave an example that the gloveboxes being sent from PFP to Permafix may be stored at CWC for three months or six months until Permafix can accept them. Mr. Collins noted that a large part of the SWOC project provides support for other projects' needs because it functions as waste services. Mr. Collins added that PFP may need to remove the gloveboxes to be able to meet a milestone, and CWC is a convenient place for temporary storage. Mr. Lowe asked about any more waste going into the outdoor storage areas. Mr. Collins indicated that no additional waste has been received in the outdoor storage areas, and there are no near-term plans to accept any waste to store outdoors. Mr. Collins added that if a large piece of waste needed to be stored outside, such as a glovebox that wasn't size-reduced, that could potentially be a situation where waste will be stored outside.

Mr. Lowe asked about resident waste services personnel verifying the waste coming into the CWC facility. Mr. Collins responded that embedded waste services personnel are relied upon to follow procedures and verify the waste is placed in the correct box. Mr. Collins stated that the physical characteristic are available about what is placed into a box, whether it's metal or plastic, etc. Mr. Collins added that there is good radiological data, and process knowledge is relied on to some extent for the chemically hazardous constituents. Mr. Lowe asked if there would be 100 percent assurance there were no free liquids in the containers that would end up in the outdoor storage at CWC. Mr. Collins stated that there would be verification that there were no liquids in the containers stored outside. Rick Engelmann (CHPRC) noted that the discussion is associated with newly generated waste, which is treated differently than retrieved waste. Mr. Collins added that the verification of no liquids cannot be characterized as 100 percent, but if 99.99 percent is verified, that is considered a success.

Mr. Collins stated that RL facility reps visit the Low Level Burial Grounds (LLBG) on a fairly regular basis, and he made a visit on Monday (1/21/13). Mr. Collins reported that progress is being made with regard to layup and housekeeping activities, and there is very little waste in the areas that are noted in today's handout. Most of the items located there are a small amount of material and equipment. Mr. Collins noted that the SWOC project has low priority work, and within the project housekeeping tends to be a lower priority so work is done when resources are available. Mr. Lowe noted past issues with minor leaks in the roofs at WRAP. Mr. Tuott responded that the repairs were made, and there have been additional leaks after the repairs were made by the contractor. The contractor is now doing some warranty work and new work.

Mr. Lowe asked if the facility RCRA-regulated container inventory could be updated to identify changes from the previous month. Mr. Tuott noted that ten drums may be moved in and ten drums moved out, and that type of information won't be available, but what could be provided is the difference in the current number from the previous report.

Mr. Lowe stated that one of the items that needs to be addressed is associated with comments on the Hanford Sitewide dangerous waste permit is the Part A forms. Mr. Lowe stated that more detail is needed in the Part A forms, and he has been working with counterparts in Olympia and EPA on what the required format and content and level of detail would be. Mr. Collins agreed that the Part A forms need to be addressed. Mr. Lowe stated that a tentative list of what needs to be in the Part A forms and how that list was determined is in internal review. Mr. Lowe indicated that Ecology is close to reaching agreement on the content of the Part A forms and when agreement has been reached, a meeting will be scheduled with RL/CHPRC to discuss the Part A forms. Mr. Collins stated that RL/CHPRC are looking for Ecology's response to comments in terms of what is missing in the Part A's. Mr. Collins requested that Ecology provide examples. Mr. Lowe stated that the Emerald Services (Tacoma) Part A permit is broken up into six parts, and an electronic copy could be provided to Mr. Collins as an example.

Jennie Seaver (CHPRC) requested clarification that Ecology is reviewing the draft Part As by RL and CHPRC with comments on draft (Rev 9 of the Permit) submitted. Mr. Lowe responded that Rev. 9 drafts are under review. Mr. Lowe stated that the level of detail in the Part A form is the main issue, although the issue is fairly straightforward and could be resolved without too much difficulty. Mr. Collins stated that meetings can be scheduled after Ecology provides direction about what is missing from the Part A's. Mr. Lowe noted that a point of discussion needs to be specifically identifying the dangerous waste management units. Mr. Collins agreed.

III. Status of Previous Agreements and Commitments

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

IV. New Agreements and Commitments

A. Ecology will provide RL/CHPRC some Part A examples.

V. Near Term Schedules and Ongoing Activities

A. Hanford Facility RCRA Permit Rev. 9 Update

Ms. Seaver noted that RL received Ecology's letter regarding its proposed path forward for the Rev. 9 permit to potentially reissue the permit in two years. Ms. Seaver indicated it is likely that the SWOC units will have to resubmit their permit application documents.

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

A. There were no approved changes signed.

VII. General Discussion

A. Mr. Lowe initiated a discussion regarding comments from the Nez Perce Tribe on trenches 31 and 34 in the LLBG. Mr. Collins responded that a meeting will be set up with Rick Rosser, the engineer who authored the leak rate action report as part of the Part B permit application submittal, to explain to Ecology what was done. Mr. Collins noted that a leak rate report was done before construction was finished on the trenches, and the difference between the two reports will be explained during the meeting with Mr. Rosser. Mr. Lowe stated that one item to discuss would be the weekly inspection for leachate collected in between the liners, and Ecology is looking for operating data. Mr. Collins stated that Ecology will be provided access to the data that was submitted for the past year. Mr. Lowe requested operating data for more than two years. Mr. Collins suggested Ecology review the past year's data to ensure that is the information needed, and if it is, then data from further back will be provided.

Mr. Lowe stated that one point of discussion needs to be about the driver for the leachate analysis, which appears to strictly be liquid effluent waste acceptance criteria. Mr. Collins agreed with Mr. Lowe's statement regarding the driver, adding that the waste acceptance criteria are set so that ETF treatment meets the standards prior to discharge to the State Approved Land Disposal Site (SALDS). Mr. Lowe pointed out that a connection was not seen between the liquid effluent waste acceptance criteria and the trench performance. Mr. Collins suggested that Mr. Lowe compile a list of concerns for discussion, including specific chemically hazardous constituents that may be missing. Mr. Lowe noted that Ecology is uncertain as to what chemicals are in the trenches, which poses a challenge to requesting an analysis for a certain chemical in the leachate. Mr. Collins stated that chemically hazardous constituents going into a trench have to meet LDRs, so there would be a question about why testing would need to be done for certain chemicals, and that could all be part of the discussion. Mr. Lowe stated that the WAC requires analysis under landfills to monitor the performance of the liner. Doug Hildebrand (RL) stated that the requirement is an analysis for the leak rate and has nothing to do with chemicals. Mr. Hildebrand indicated that the trenches have not gotten to the point of exceeding the leak rate. Mr. Hildebrand suggested that the parties follow the example for LERF by narrowing down the list of chemicals for monitoring, noting that the leachate could be picking up constituents from the liner system.

Mr. Lowe stated that there doesn't appear to be a connection between the contractor solid waste group and the liquid effluent group as far as reviewing the data. Mr. Hildebrand responded that the solid waste group analyzes the leachate to ensure it meets the WAC before handing it off to the waste acceptance group, who have to review the data before accepting it. Mr. Fearon noted that the liners are approaching their 25-year limit, and the trenches will close in about five years. Mr. Hildebrand responded that if the liners are covered with soil and not directly exposed to sunlight, the liners will last much longer than the original 25-year warranty. Mr. Hildebrand added that the NRC met at DOE-Headquarters about five years ago to look at the life of liners, and came to the conclusion that if the liners were covered they would last a lot longer than a 25-year period.

VIII. Actions

Unit	Description of Action	Status	Date
LLBG	RL will discuss with Ecology the preparation of appropriate TPA change notices to modify Appendices B&C.	Action established.	2/23/12
		This action was expanded to include discussion of the unused areas.	4/26/12
		Appendix B&C changes are on hold.	6/28/12
		Discussion needed with Deborah Singleton (Ecology) to determine if Appendices B&C were updated in September 2012.	10/25/12
		Lorna Dittmer (CHPRC) will check the tentative agreement for language that can be used to close the action.	12/6/12
		The two change packages to modify Appendices B&C are on hold until Rev. 9 is issued. This action was closed since Rev. 9 won't be issued for 2 years.	01/24/13

Unit	Description of Action	Status	Date
T Plant	RL to submit proposal to Ecology for interim status monitoring compliance for 221-T tank system.	Action established	4/26/12
		RL submitted a proposal to Ecology. Ecology is reviewing the proposal.	6/28/12
		No resolution to proposal. A status will be provided at the next PMM	7/26/12
		RL continues to review internally. No new status	12/6/12
		The 221-T tank system is addressed in Rev. 9, which won't be issued for 2 years. A meeting will be scheduled with Ecology to agree on an option for interim monitoring. This action will be closed and tracked under agenda item "near term schedules and ongoing activities."	1/24/13
Rev. 9	Ecology to provide RL examples of Part As.		01/24/13
LLBG	RL to schedule a meeting with Ecology to discuss current leachate management practices for trenches 31/34 and monitoring performance, and the 1996 leachate document. RL to schedule a second meeting on ETF waste acceptance criteria and how ETF waste acceptance criteria was established.		01/24/13

IX. Documents for Submittal to the Administrative Record.

- A. The Ecology letter to RL regarding Rev. 9 resubmittal in two years was identified for submittal and confirmed submitted to the AR.

X. Next Project Managers Meeting

- A. The next PMM is scheduled for February 28, 2013.



# **PROJECT MANAGERS MEETING OPERATIONS REPORT FOR SWOC**

**March 2013**

## Waste Retrieval Performance

### CWC/LLBG Activities

Activity Description	Status
CWC	<ul style="list-style-type: none"> <li>• Performing waste storage activities.</li> <li>• Coordinating with DOE on management of Box 231ZDR-11. 2/26/13 Letter from DOE to Ecology (13-AMRP-0120) identifies change in near-term focus. An outer wrap will be placed around the container to prevent precipitation from reaching the container surface.</li> </ul>
LLBG	<ul style="list-style-type: none"> <li>• Continuing layup/housekeeping activities for 4B, 4C, 3A, 12B burial grounds.</li> <li>• Trench 94 - Soil testing being performed in preparation of future receipt of reactor compartments that are larger/heavier.</li> </ul>

### WRAP/T Plant Activities

Activity Description	Status
WRAP	<ul style="list-style-type: none"> <li>• Continuing surveillance and maintenance activities.</li> <li>• As resources are available (and subject to weather) performing the following:                             <ul style="list-style-type: none"> <li>• perform housekeeping and floor maintenance activities (e.g., painting, chip repair, resurfacing spill area) in 2404-WB.</li> </ul> </li> </ul>
T Plant	<ul style="list-style-type: none"> <li>• Continuing surveillance and maintenance activities.</li> </ul>

# Facility RCRA-Regulated Container Inventory (# of containers) and Volume (m<sup>3</sup>)\*

Facility	Drum/Small Container <sup>1</sup>	Medium Container/Box <sup>2</sup>	Large Container <sup>3</sup>	Total Volume
CWC (Jan)	5464 (1,318 m <sup>3</sup> )	417 (710 m <sup>3</sup> )	393 (6873 m <sup>3</sup> )	8,901 m <sup>3</sup>
CWC (Mar)	5468 (1319 m <sup>3</sup> )	423 (721 m <sup>3</sup> )	393 (6873 m <sup>3</sup> )	8,913 m <sup>3</sup>
T Plant (Jan)	5 (1 m <sup>3</sup> )	3 (4 m <sup>3</sup> )	2 (44 m <sup>3</sup> )	49 m <sup>3</sup>
T Plant (Mar)	5 (1m <sup>3</sup> )	3 (4 m <sup>3</sup> )	2 (44m <sup>3</sup> )	49 m <sup>3</sup>
WRAP (Jan)	0 (0 m <sup>3</sup> )	1 (2 m <sup>3</sup> )	0 (0 m <sup>3</sup> )	2 m <sup>3</sup>
WRAP (Mar)	0 (0 m <sup>3</sup> )	1 (2 m <sup>3</sup> )	0 (0 m <sup>3</sup> )	2 m <sup>3</sup>

Footnotes:

- 1 Volume of 0.485 m<sup>3</sup> (110 gallons or 17.1 ft<sup>3</sup>) or less
- 2 Greater than 0.485 m<sup>3</sup>, less than 1.812 m<sup>3</sup> (64ft<sup>3</sup>)  
(Standard waste box)
- 3 Greater than 1.812 m<sup>3</sup>

**T PLANT, LLBG, WRAP, AND CWC  
Project Managers Meeting  
825 Jadwin / Room 554  
Hanford, Washington**

**January 24, 2013  
ATTENDANCE LIST**

Name	Organization	Phone Number
1.		
2. Kathy Kay	KAY COURT Reporting	946-5535
3. Rick Engelman	CHPRC	
4. Brian Dixon	CHPRC by phone	
5. Jim Resmussen	YAHGS	
6. Lane Strickling	CHPRC ↓	
7. Stephanie Johansen	CHPRC	373-1031
8. Garry L. Pyles	DOE-RI	326-2670
9. Michael Collins	DOE-RL	376 6536
10. Joel Williams Jr	CHPRC-FP	376-4282
11. Allan Course	CHPRC	376-3143
12. Steve Lowe	Ecology	372-7894
13. RD Hildebrandt	DOE	373-9626
14. LEE TUOH	CHPRC	376-1045
15. LEE FEARON	ECOLOG	372-7933
16. Jennie Seaver	CHPRC	376-7510
17. Lorna Dittmer	CHPRC	376-7017
18. S Badbala	CHPRC/FP	373-9792
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**T PLANT, LLBG, WRAP, AND CWC PROJECT MEETING**  
**825 Jadwin / Room 554**  
**Hanford, Washington**  
**January 24, 2012**

**10:00 a.m. to 10:30 a.m.**

**Agenda**

- I. The November Project Manager Meeting (PMM) was canceled due to the Thanksgiving holiday. Meeting Minutes for the October 25, 2012, PMM are in preparation.
- II. Operational Status
- III. Status of Previous Agreements and Commitments
- IV. New Agreements and Commitments
- V. Near Term Schedules and Ongoing Activities
  - A. HF RCRA Permit Rev. 9 Update
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
- VII. General Discussion
- VIII. Actions

Unit	Description of Action	Status	Date
LLBG	RL will discuss with Ecology the preparation of appropriate TPA change notices to modify Appendices B&C.	Action established.	2/23/12
		This action was expanded to include discussion of the un-used areas.	4/26/12
		Appendix B&C changes are on hold.	6/28/12
		There was no change in status.	07/26/12
		Discussion needed with Deborah Singleton (Ecology) to determine if Appendices B&C were updated in September 2012.	10/25/12
		Lorna Dittmer (CHPRC) will check the tentative agreement for language that can be used to close the action.	12/6/12
T Plant	RL to submit proposal to Ecology for interim status monitoring compliance for 221-T tank system.	Action established.	4/26/12
		RL submitted a proposal to Ecology. Ecology is reviewing the proposal.	6/28/12

Unit	Description of Action	Status	Date
		No resolution to proposal. A status will be provided at the next PMM.	07/26/12
		No new status was provided.	10/25/12
		RL continues to review internally. No new status.	12/6/12

IX. Documents for Submittal to the Administrative Record

X. Next Project Managers Meeting