

SOLID WASTE OPERATIONS COMPLEX PROJECT MANAGERS MEETING

**T Plant, Low Level Burial Grounds (LLBG), Waste Receiving and
Processing (WRAP), and Central Waste Complex (CWC)**

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

CH2MHILL
Plateau Remediation Company

**P.O. Box 1600
Richland, Washington 99352**

SOLID WASTE OPERATIONS COMPLEX PROJECT MANAGERS MEETING

T Plant, Low Level Burial Grounds (LLBG), Waste Receiving and Processing
(WRAP), and Central Waste Complex (CWC)

S. J. Shore

CH2M HILL Plateau Remediation Company

Date Published
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APPROVED

By Lynn M. Ayers at 9:03 am, Feb 13, 2020

Release Approval

Date

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Meeting Minutes Transmittal

**SOLID WASTE OPERATIONS COMPLEX
PROJECT MANAGERS MEETING**

**T Plant, Low Level Burial Grounds (LLBG), Waste Receiving and Processing (WRAP),
and Central Waste Complex (CWC)**

**2420 Stevens Center, Conference Room 176
Richland, Washington**

December 12, 2019

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, RL

Date: 1/23/2020



Project Manager Representative, Ecology

Date: 1/23/20

Administrative Record H6-08

**SOLID WASTE OPERATIONS COMPLEX
PROJECT MANAGERS MEETING MINUTES**

**T Plant, Low Level Burial Ground (LLBG), Waste Receiving and Processing (WRAP),
and Central Waste Complex (CWC)**

**2420 Stevens Center, Conference Room 176
Richland, Washington**

December 12, 2019

- I. Stephanie Johansen (CHPRC) stated that the October 24, 2019 Solid Waste Operations Complex (SWOC) project managers meeting (PMM) minutes were approved and submitted to the Administrative Record (AR).
- II. Operational Status
 - A. John Fullmer (CHPRC) noted that there was no change in the Resource Conservation and Recovery Act (RCRA)-regulated inventory since the off-month report was issued about a week ago. Mr. Fullmer added that there were no shipments of the dangerous waste package inventory from the Central Waste Complex (CWC) Outside Storage Areas (OSA) since the off-month report was issued. Kelly Elsethagen (Ecology) asked why there are only five containers listed in OSA-B. Ms. Johansen responded that the five containers are RCRA containers, but there are other containers in OSA-B that are low level waste or are empty. Ms. Elsethagen inquired about the reason for focusing on shipping containers from OSA-A over OSA-B. Ingrid Colton (RL) indicated that the main reason is to coordinate with Permafrix controls and be able to meet their requirements for fissile gram equivalents. Ms. Colton added that most of the inventory is in OSA-A. Ms. Johansen took an action to follow up with Ms. Elsethagen's inquiry about the reason for shipping out of OSA-A and not OSA-B. Ms. Elsethagen noted that as the parties move towards working on the Data Quality Objectives (DQOs) for the OSA-A/B and preparing the closure plans for public comment, it is helpful from a public review perspective if the inventory has already been removed.

Mr. Fullmer provided an update on the waste disposition performance at the SWOC facilities. Mr. Fullmer stated that some box cover deficiencies had been found and are being repaired at CWC. Ms. Elsethagen inquired about the box cover deficiencies. Ms. Johansen responded that an inspection of the box covers was conducted with an aerial lift within the past two weeks, which provided a closer look at the top of the box covers. There were a few box covers identified for repair or replacement due to small holes or tears. Ms. Elsethagen inquired about the requirement in the agreed order regarding the inspection frequency for the top of the box covers. Ms. Johansen indicated the requirement was for monthly inspections. Ms. Johansen noted that aerial photos can be used to inspect the top of the box covers, and the aerial lift is not used every time.

Mr. Fullmer stated that leachate collection and removal operations continue at the Low Level Burial Grounds (LLBG). Ms. Elsethagen asked if the leachate collection system pump has been switched to automatic mode. Ms. Johansen responded that the pump is still being operated manually. Ms. Colton stated that the procedures are being updated in preparation for switching the leachate collection pump from manual to automatic mode. Ms. Johansen took an action to follow up on the status of the leachate collection pump switching from manual to automatic operation.

Mr. Fullmer stated that planning continues for the upgrade to fan No. 3 and the high-efficiency particulate air (HEPA) filter change-out at T Plant. Ms. Johansen noted that the HEPA filter change-out will not be occurring in calendar year 2019, and the status report will be revised to reflect it will occur in 2020. Ms. Johansen added that planning for receipt of the garnet filters from K Basins will be done later in 2020, and the T Plant cells have been prepared for receipt of the garnet filters.

- III. Status of Previous Agreements and Commitments
 - A. There were no previous agreements and commitments for discussion.
- IV. New Agreements and Commitments
 - A. There were no new agreements and commitments established.
- V. Near Term Schedules and Ongoing Activities (Milestones)
 - A. Agreed Order – Implementation

Ms. Johansen stated that the main activity under the Agreed Order is the box cover repair and replacement, and the recent box cover deficiencies that have been identified were discussed under agenda item II.A for operational status.
 - B. CAFO

Ms. Elsethagen reported that the date for sending the seven closure plans out for public comment has been rescheduled for February 21, 2020.
 - C. 8C Updates, Closure Plans, Part B Application

Erika Garcia (CHPRC) stated that two meetings scheduled in December 2019 with Ecology to discuss the SWOC Part B permit have been canceled, and the meetings will resume after the holidays. Ms. Elsethagen stated that from Ecology’s perspective, the effort has been focused on preparing the closure plan files for public comment, and the SWOC Part B has been on hold due to a shortage of staff resources. Ms. Elsethagen added that another area of focus involved significant revisions to a 2016 response to comments document along with updating the FAQ sheet to support the sampling for all of the closure plans.
 - D. Sludge Storage at T Plant

Ms. Johansen noted that all of the sludge had been received at T Plant, and the next step will be to receive the garnet filters from K Basins in the spring 2020 time frame.
 - E. Rev. 9 – LLBG Green Islands

Ms. Johansen stated that two addenda are in Ecology review.
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
 - A. There were no signed changes to discuss.
- VII. General Discussion
 - A. There were no topics raised for general discussion.
- VIII. Actions

Ms. Johansen stated that two new action items were identified: 1) status of preparation to switch the leachate collection system pump from manual to automatic mode; 2) inquire about reason for shipping containers from OSA-A and not OSA-B at this time. Ms. Elsethagen noted that action No. 2 is for information only, and not a request for any changes.
- IX. Documents for Submittal to the Administrative Record
 - A. There were no documents identified for submittal to the AR.
- X. Next Project Managers Meeting
 - A. The next PMM was scheduled for February 27, 2020.

Actions Table

Solid Waste Operations Complex Project Managers Meeting Minutes

T Plant, Low Level Burial Ground (LLBG), Waste Receiving and Processing (WRAP), and Central Waste Complex (CWC)

Item	Description	Open / Closed	Date	Status
SWOC Units	Mr. Fullmer (CHPRC) will prepare the operations report on the off months the PMMs are not held and send the report to Ecology. The reports will be attached to the following month's PMM minutes.	Open	12/8/17	Action Established - Ongoing.
LLBG	Ms. Johansen (CHPRC) will follow up with Ms. Elsethagen's (Ecology) inquiry regarding the status/preparations for switching the leachate collection system pump from manual to automatic mode.	Open	12/12/19	Action Established
CWC	Ms. Johansen (CHPRC) will follow up with Ms. Elsethagen's (Ecology) inquiry about the reason for shipping containers from OSA-A and not OSA-B at this time.	Open	12/12/19	Action Established

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 12-9-2019

Facility	Drum/Small Container ¹	Medium Container ²	Large Container ³	Total Volume
CWC (November)	5591 (1386 m ³)	871 (1528 m ³)	330 (4571 m ³)	7485 m ³
CWC (December)	5591 (1386 m ³)	871 (1528 m ³)	330 (4571 m ³)	7485 m ³
T Plant (November)	13 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
T Plant (December)	13 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
WRAP (November)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	429 m ³
WRAP (December)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	429 m ³

Footnotes regarding volumes:

* Inventory is for containers except for six (6) large tanks at T-Plant with a volume of 259 m³

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

Dangerous Waste Package Inventory in CWC Outside Storage Areas

CWC DWMU ^[1]	Number of Waste Containers in storage (1/24/2014)	Number of Waste Containers in storage (12/3/2019)	Number of Waste Containers in storage (12/9/2019)	Volume of Waste Containers in storage (12/9/2019)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	96	96	2747 m ³	
Outside Storage Area B	5	5	5	263 m ³	
D-10 Outside Storage Area	1	1	1	28 m ³	
East Outside Storage Area	0	0	0	0	
Shipping and Receiving Area	0	0	0	0	
Total =	179	102	102	3038 m³	

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

Waste Disposition Performance

Facility	Status as of 12-9-2019
CWC	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Performing waste storage & inspection activities • Continuing to receive waste from onsite and offsite generators • Continue to ship large waste boxes from OSA A and NOSA (CERCLA –TRU waste in NOSA) to PFNW. • Conducted Fire Suppression System testing & inspection with HFD • Box cover deficiencies are being tracked and repaired in FY2020. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums. • 2403 Series Roof Repairs • <u>NEW ITEMS</u>
LLBG	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing to perform inspection and maintenance activities in LLBGs • Continuing receipt of waste shipments into MWT 31 & 34 • Continuing leachate collection & removal system operation at MWT 31 & 34 <p><u>NEW ITEMS</u></p>
WRAP	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing min-safe inspection and maintenance activities. • Conducted Fire Suppression System testing & inspection with HFD <p><u>NEW ITEMS</u></p>
T Plant	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing surveillance and maintenance activities. • Continue replacing canyon high bay lights and cameras • Planning HEPA Filters changes in 291-T in CY2019 • Planning Fan #3 upgrade. <p><u>NEW ITEMS</u></p>

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 12-3-2019

Facility	Drum/Small Container ¹	Medium Container ²	Large Container ³	Total Volume
CWC (October)	5591 (1386 m ³)	858 (1504 m ³)	331 (4582 m ³)	7472 m ³
CWC (November)	5591 (1386 m ³)	871 (1528 m ³)	330 (4571 m ³)	7485 m ³
T Plant (October)	12 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
T Plant (November)	13 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
WRAP (October)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	412 m ³
WRAP (November)	217 (49 m ³)	0 (0 m ³)	9 (380 m ³)	429 m ³

Footnotes regarding volumes:

* Inventory is for containers except for six (6) large tanks at T-Plant with a volume of 259 m³

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

Dangerous Waste Package Inventory in CWC Outside Storage Areas

CWC DWMU ^[1]	Number of Waste Containers in storage (1/24/2014)	Number of Waste Containers in storage (10/21/2019)	Number of Waste Containers in storage (12/3/2019)	Volume of Waste Containers in storage (12/3/2019)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	98	96	2747 m ³	Shipped TC208 to PFNW on 10/29/19 and TC210 on 11/7/19
Outside Storage Area B	5	5	5	263 m ³	
D-10 Outside Storage Area	1	1	1	28 m ³	
East Outside Storage Area	0	0	0	0	
Shipping and Receiving Area	0	0	0	0	
Total =	179	104	102	3038 m³	

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

Waste Disposition Performance

Facility	Status as of 12-3-2019
CWC	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Performing waste storage & inspection activities • Continuing to receive waste from onsite and offsite generators • Continue to ship large waste boxes from OSA A and NOSA (CERCLA –TRU waste in NOSA) to PFNW. • Conducted Fire Suppression System testing & inspection with HFD • Box cover deficiencies are being tracked and repaired in FY2020. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums. • 2403 Series Roof Repairs • <u>NEW ITEMS</u>
LLBG	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing to perform inspection and maintenance activities in LLBGs • Continuing receipt of waste shipments into MWT 31 & 34 • Continuing leachate collection & removal system operation at MWT 31 & 34 <p><u>NEW ITEMS</u></p>
WRAP	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing min-safe inspection and maintenance activities. • Conducted Fire Suppression System testing & inspection with HFD <p><u>NEW ITEMS</u></p>
T Plant	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing surveillance and maintenance activities. • Continue replacing canyon high bay lights and cameras • Planning HEPA Filters changes in 291-T in CY2019 • Planning Fan #3 upgrade. <p><u>NEW ITEMS</u></p>

**SOLID WASTE OPERATIONS COMPLEX (SWOC)
PROJECT MANAGERS MEETING**

**T Plant, Low Level Burial Ground (LLBG), Waste Retrieval and Processing (WRAP),
and Central Waste Complex (CWC)**

**2420 Stevens Center, CR-176
Richland, Washington**

December 12, 2019

ATTENDANCE LIST

	NAME (Please PRINT)	ORGANIZATION
1.	Sandy Shore	CHPRC
2.	Kathy Knox	Knox Court Reporting
3.	Stephanie K Johansen	CHPRC
4.	Erika Garcia	CHPRC
5.	John Hultman	CHPRC
6.	Jonathan Fullmer	CHPRC
7.	Ingrid Cotton	DOE
8.	Gary Pyles	DOE-R2
9.	Kelly Elsethogen	ECY
10.	Scott Davis	MSA -TPA
11.	Chris Plager	CHPRC
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**SOLID WASTE OPERATIONS COMPLEX (SWOC)
PROJECT MANAGERS MEETING**

**T Plant, Low Level Burial Ground (LLBG), Waste Retrieval and Processing (WRAP),
and Central Waste Complex (CWC)**

**2420 Stevens Center, CR-176
Richland, Washington**

**December 12, 2019
11:00 A. M.**

AGENDA

- I. The October 24, 2019 Solid Waste Operations Complex (SWOC) 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)
 - A. Agreed Order – Implementation
 - B. CAFO
 - C. 8C updates, closure plans, Part B application
 - D. Sludge Storage at T Plant
 - E. Rev. 9 – LLBG Green Islands
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
- VII. General Discussion
- VIII. Actions
 - A. See Actions Table below
- IX. Documents for Submittal to the Administrative Record
- X. Next Project Managers Meeting

Actions Table

Solid Waste Operations Complex (SWOC) Project Managers Meeting
T Plant, Low Level Burial Ground (LLBG), Waste Retrieval and Processing (WRAP), and Central Waste Complex (CWC)

Item	Description	Open / Closed	Date	Status
SWOC Units	Mr. Fullmer (CHPRC) will prepare the operations report on the off months the PMMs are not held and will also send the report to Ecology. The operations reports will be attached to the following month's PMM minutes.	Open	12/8/17	Action Established - Ongoing.