

Solid Waste Operations Complex Project Managers Meeting

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

S. Shore
CH2M HILL Plateau Remediation Company

Date Published
August 2020

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APPROVED

By Julia Raymer at 4:27 pm, Nov 18, 2020

Release Approval

Date

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Meeting Minutes Transmittal

**SOLID WASTE OPERATIONS COMPLEX
PROJECT MANAGERS MEETING**

**T Plant, Low Level Burial Grounds,
Waste Receiving and Processing, and Central Waste Complex**

**Via Teleconference
Richland, Washington**

August 27, 2020

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.

Mark S. French Digitally signed by Mark S. French
Date: 2020.11.17 21:17:03 -08'00'

Date: _____

Project Manager Representative, RL



Digitally signed by Elsethagen,
Kelly (ECY)

Date: 2020.10.01 11:47:34 -07'00'

Project Manager Representative, Ecology

Administrative Record

H6-08

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

**T Plant, Low Level Burial Grounds,
Waste Receiving and Processing, and Central Waste Complex**

**Via Teleconference
Richland, Washington**

August 27, 2020

- I. Stephanie Johansen (CHPRC) convened the Solid Waste Operations Complex (SWOC) project managers meeting (PMM) via teleconference and started the meeting with a roll call (see attendance list). Ms. Johansen noted that the agenda and the operational report were sent out to the attendees before the PMM. Ms. Johansen stated that the June 25, 2020 PMM minutes have been reviewed and approved, but they are in the clearance process and have not been submitted to the Administrative Record (AR).
- II. Operational Status
 - A. Ms. Johansen stated that the Washington State Department of Health is conducting an inspection, and the environmental compliance officers who normally provide the operational report are out in the field for the inspection, and that she would provide the update on the operational status (see handout). Ms. Johansen noted that the Resource Conservation and Recovery Act (RCRA)-related inventory as of the end of July 2020 was provided to Ecology in the off-month report, and since that time there have been some minor changes at the Central Waste Complex (CWC), with the addition of some medium containers and a decrease of one large container. There were several small containers added to T Plant, and the inventory at the Waste Receiving and Processing (WRAP) facility remains the same.

Ms. Johansen reported that there was one container shipped from Outside Storage Area A to Permafix Northwest on August 13, 2020, and the rest of the container volume remains the same as was reported in the off-month report.

Ms. Johansen provided an update on the status of all the facilities. Ms. Johansen noted that as reported during the June 25, 2020 PMM, shipments were not being done due to a potential inadequacy in the safety analysis (PISA), and a meeting was held with Ecology to discuss the PISA. Ms. Johansen stated that CHPRC received approval of its Evaluation of the Safety of the Situation, and shipments have resumed.

Ms. Johansen stated that the floor repairs at CWC that were planned for this year have not been started yet due to the minimum essential staffing associated with coronavirus disease 2019 (COVID-19). Ms. Johansen noted that the floor repairs are primarily done during the summer months because of the temperature requirements for the materials that are used, but plans are still under way for the floor repairs. Deirdra Hahn (Ecology) requested a list of the CWC waste storage buildings that will be undergoing floor repairs. Ms. Johansen responded that she would take an action to provide a list to Ms. Hahn. Ms. Johansen stated that there is one box cover that needs

to be replaced and two that need to be repaired at CWC. Additional covers have been ordered because the original materials to replace the box cover were not suitable.

Kelly Elsethagen (Ecology) inquired about the nondestructive assay (NDA) activity being done at CWC on 15 large waste boxes in Outdoor Storage Area A. Ms. Johansen responded that the Waste and Fuels organization does not have the personnel to do the NDA, and a crew associated with the Plutonium Finishing Plant (PFP) is used to do the NDA. Ms. Johansen stated that the box is moved to a location that is still within the outside storage area but far enough away to avoid any interference with radionuclides from other containers. Ms. Elsethagen stated that the only time she had heard of NDA being performed in the SWOC facilities was at WRAP. Mark French (DOE-RL) stated that the NDA is a fairly common process and it was used at 618-10. Mr. French added that there are a number of different NDA processes, but typically there is instrumentation that is used to shoot the box, and there is modeling that converts the data.

Mr. French reported that he had just received a message regarding a shipment at CWC that was being prepared today to go to Permafix Northwest. After loading an 1800-TL box onto the trailer, the forklift driver backed up and bumped into another 1800-TL box and moved it about a foot. Mr. French stated that the CWC facility is taking the appropriate response action. Ms. Johansen stated additional information can be provided to Ecology via an occurrence report or other means. Ms. Elsethagen indicated that additional details would not be required since the information will be provided in the occurrence report.

Ms. Johansen stated that Low-Level Burial Grounds (LLBG) continue to receive shipments and to operate the leachate collection and removal system, with shipments of leachate going to the Effluent Treatment Facility.

Ms. Johansen stated that at WRAP, large waste boxes continue to be shipped from 2404-WB to Permafix Northwest.

Ms. Johansen reported that planning is under way at T Plant for the fan No. 3 upgrade. The activities associated with the high-efficiency particulate air filter change-out at 291-T have been initiated, and planning is under way for the 291-T pre-filter change-out. Ms. Johansen stated that due to the minimum essential staffing for several months associated with COVID-19, receipt of the garnet filters at T Plant has been delayed and will not be done in fiscal year 2020 as originally planned. Ms. Johansen added that a date has not been established for receipt of the garnet filters. Ms. Johansen noted that the loading of the garnet filters is a personal protective equipment intensive activity, and that type of activity has not yet been approved.

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 noted that there is one box cover that needs to be replaced and two that need to be repaired (see operational status).

B. CAFO

Ms. Johansen stated that Ecology sent out seven of the consent agreement/final order (CAFO) closure plans for public comment, and CHPRC/RL received notice that an additional 45-day public comment period will be implemented, which is anticipated to start in September 2020. Ms. Elsethagen stated that the start date for the reopened public comment period is September 21, 2020, and it is scheduled to go through November 4, 2020. Ms. Elsethagen added that the reason for the additional public comment period was that the fact sheet wasn't included in the public comment site when the files were transferred from the local office over to headquarters. Ms. Elsethagen noted that the permitting team and DOE-RL have been briefed on the reopening of the public comment period.

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

Ms. Johansen stated that meetings on the Part B continue on a biweekly basis with Ecology, and any issues that come up are being addressed. Ms. Elsethagen noted that Ecology resources are limited as the staff works on the 8C modifications as well as Rev. 9, but efforts continue with the Part B and the Green Islands when possible.

D. Sludge Storage at T Plant

Ms. Johansen stated that the sludge being stored at T Plant continues to be monitored as required. Ms. Johansen noted that the garnet filter waste will not be received this fiscal year, and there is no forecast date available yet for when the waste will be received.

E. Rev. 9 – LLBG Green Islands

Ms. Johansen stated that CHPRC/RL are waiting for a response from Ecology regarding documents that were transmitted. Ms. Elsethagen noted that Ecology resources are limited as the staff works on the 8C modifications as well as Rev. 9, but efforts continue with the Green Islands and the Part B when possible.

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 (see action table)

Ms. Johansen stated that the ongoing action to submit the off-month operational report to Ecology is being done, and the July 2020 off-month report was sent to Ecology via email on August 4, 2020. A new action was identified for Ms. Johansen to provide Ecology with a list of buildings at CWC that require floor repairs.

IX. Documents for Submittal to the Administrative Record

A. The June 25, 2020 PMM minutes will be submitted to the AR after the clearance process has been completed.

X. Next Project Managers Meeting

A. The next PMM was scheduled for October 22, 2020.

Actions Table

Solid Waste Operations Complex (SWOC) Project Managers Meeting Minutes

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.
SWOC Units	Ms. Johansen (CHPRC) will schedule a conference call with Ms. Elsethagen (Ecology), DOE-RL and the SWOC facility operations to discuss the unreviewed safety question determination (USQD) related to use of the median value instead of the mean value in the MAR algorithm for accident analyses in the master documented safety analysis.	Open	6/25/20	Action Established
		Closed	8/27/20	CHPRC/RL met with Ecology on July 2, 2020, to discuss the USQD. Ecology agreed this action could be closed.
CWC	Ms. Johansen (CHPRC) will provide Ms. Hahn (Ecology) a list of CWC buildings that will be undergoing floor repairs.	Open	8/27/20	Action Established

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 8-24-2020

Facility	Drum/Small Container ^(a)	Medium Container ^(b)	Large Container ^(c)	Total Volume
CWC (July)	5638 (1396 m ³)	927 (1628 m ³)	326 (4410 m ³)	7434 m ³
CWC (August)	5638 (1396 m ³)	932 (1637 m ³)	325 (4367 m ³)	7400 m ³
T Plant (July)	10 (2 m ³)	0 (0 m ³)	8 ^(d) (303 m ³)	305 m ^{3(d)}
T Plant (August)	14 (3 m ³)	0 (0 m ³)	8 ^(d) (303 m ³)	306 m ^{3(d)}
WRAP (July)	217 (49 m ³)	0 (0 m ³)	4 (159 m ³)	208 m ³
WRAP (July)	217 (49 m ³)	0 (0 m ³)	4 (159 m ³)	208 m ³

Footnotes regarding volumes:

- a) 0.485 m³ (110 gallons; 17.1 ft³) or less
- b) Greater than 0.485 m³ (110 gallons; 17.1 ft³) & less than 1.812 m³ (64ft³) (Standard Waste Box)
- c) Greater than 1.812 m³
- d) Inventory is for containers except for six (6) large tanks at T-Plant with a volume of 259 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 (7/29/2020)	Number of Waste Containers in Storage (8/24/2020)	Volume of Waste Containers in Storage (8/24/2020) (m ³)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	93	92	2577	Shipped TC206 to PFNW on 8/13/20
Outside Storage Area B	5	4	4	228	
D-10 Outside Storage Area	1	1	1	28	
East Outside Storage Area	0	0	0	0	
Shipping and Receiving Area	0	0	0	0	
Total =	179	98	97	2833 m³	

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

Waste Disposition Performance

Facility	Status as of 08-24-2020
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 PFNW. • Continue to ship large waste boxes from OSA-A and CERCLA-NOSA to PFNW. • Conducted Fire Suppression System testing & inspections with HFD • Box cover deficiencies are being tracked and repaired in FY2020. 1 box covers needs to be replaced and 2 needs to be repaired. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums, as needed. • 2403 Series Roof Repairs; contingent on weather conditions. • Completed NDA activities for 15 large waste boxes in the OSA-A • <u>NEW ITEMS</u> • Planning Floor Repairs within CWC Waste Storage Buildings.
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 from PFNW into MWT 31 & 34 • Continuing leachate collection & removal system operation at MWT 31 & 34 and shipments to ETF. <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 • Planning HEPA Filter change out for 296-W-4 Stack in CY2020 • WRAP Roof Replacement planning activities continue In CY2020 • Continue to ship large waste boxes from 2404-WB to PFNW. <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 Fan #3 upgrade. <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • Working HEPA Filter change out of 291-T • Planning 291-T Pre Filter Change Out.

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 7-29-2020

Facility	Drum/Small Container ^(a)	Medium Container ^(b)	Large Container ^(c)	Total Volume
CWC (June)	5638 (1396 m ³)	927 (1628 m ³)	326 (4410 m ³)	7434 m ³
CWC (July)	5638 (1396 m ³)	927 (1628 m ³)	326 (4410 m ³)	7434 m ³
T Plant (June)	10 (2 m ³)	0 (0 m ³)	8 ^(d) (303 m ³)	305 m ^{3(d)}
T Plant (July)	10 (2 m ³)	0 (0 m ³)	8 ^(d) (303 m ³)	305 m ^{3(d)}
WRAP (June)	217 (49 m ³)	0 (0 m ³)	4 (159 m ³)	208 m ³
WRAP (July)	217 (49 m ³)	0 (0 m ³)	4 (159 m ³)	208 m ³

Footnotes regarding volumes:

- a) 0.485 m³ (110 gallons; 17.1 ft³) or less
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- c) Greater than 1.812 m³
- d) Inventory is for containers except for six (6) large tanks at T-Plant with a volume of 259 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 (6/22/2020)	Number of Waste Containers in Storage (7/29/2020)	Volume of Waste Containers in Storage (7/29/2020) (m ³)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	93	93	2621	
Outside Storage Area B	5	4	4	228	
D-10 Outside Storage Area	1	1	1	28	
East Outside Storage Area	0	0	0	0	
Shipping and Receiving Area	0	0	0	0	
Total =	179	98	98	2877 m³	

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

Waste Disposition Performance

Facility	Status as of 07-29-2020
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 CERCLA-NOSA to PFNW. Next shipment is August 13, 2020 • Conducted Fire Suppression System testing & inspections with HFD • Box cover deficiencies are being tracked and repaired in FY2020. 1 box cover needs replacement. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums, as needed. • 2403 Series Roof Repairs; contingent on weather conditions. • <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 and shipments to ETF. <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 • Planning HEPA Filter change out for 296-W-4 Stack in CY2020 • Planning WRAP Roof Replacement In CY2020 • Continue to ship large waste boxes from 2404-WB to PFNW. <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 Filter change out of 291-T in CY2020 • Planning Fan #3 upgrade. <p><u>NEW ITEMS</u></p>

**SOLID WASTE OPERATIONS COMPLEX
PROJECT MANAGERS MEETING**

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

**Via Microsoft Teams
Richland, Washington**

June 25, 2020

ATTENDANCE LIST

	ORGANIZATION
1. Baker, Morgan	Ecology
2. Bergman, Theresa	CHPRC
3. Brasher, Stephanie	MSA
4. Cline, Derek	DOE/RL
5. Colton, Ingrid	DOE/RL
6. Davis, Scott	MSA
7. Elsethagen, Kelly	Ecology
8. French, Mark	DOE/RL
9. Hahn, Deirdra	Ecology
10. Johansen, Stephanie	CHPRC
11. Knox, Kathy	Court Reporter
12. Mayenna, Amena	Ecology
13. Mortensen, Seana	Ecology
14. Pyles, Gary	DOE/RL
15. Shore, Sandy	CHPRC
16. Soto, Edward	Ecology
17.	
18.	
19.	
20.	

**SOLID WASTE OPERATIONS COMPLEX
PROJECT MANAGERS MEETING**

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

**Via Teleconference
Richland, Washington**

**August 27, 2020
10:00 A. M.**

AGENDA

- I. The June 25, 2020 Solid Waste Operations Complex (SWOC) Project Managers Meeting (PMM) minutes have not been submitted to the Administrative Record (AR), but are currently going through the clearance process.
- 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

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