

Meeting Minutes Transmittal

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

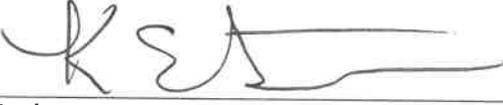
**T Plant, Low Level Burial Ground (LLBG), Waste Receiving and Processing (WRAP),
and Central Waste Complex (CWC)**

**2420 Stevens Center, Conference Room 126
Richland, Washington**

April 25, 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: 5/23/2019


Project Manager Representative, Ecology Date: 5/23/2019

Administrative Record H6-08

**SOLID WASTE OPERATIONS COMPLEX (SWOC)
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 126
Richland, Washington**

April 25, 2019

I. Stephanie Johansen (CHPRC) stated that the February 28, 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 Fulmer (CHPRC) provided an update on the operational status for the SWOC facilities (see handout). Mr. Fulmer noted a change in total volume at CWC for the Resource Conservation and Recovery Act (RCRA)-regulated inventory. There was an increase of medium containers in the form of solid waste boxes that were received from Permafix Northwest, and there was one large container shipped to Permafix Northwest.

Mr. Fulmer reported that a shipment was made yesterday from the Outside Storage Area A (OSA-A) to Permafix Northwest, which is not reflected on today's handout for the dangerous waste package inventory in CWC outside storage areas, but it will be included in next month's report.

Mr. Fulmer noted that for new activities at the Central Waste Complex (CWC), preparation is under way for cleanup of the legacy laydown yards. Luggers and roll-on/roll-off containers have been received, and cleanup is expected to be starting in the next week or two. Kelly Elsethagen (Ecology) inquired about the status of the floor coating repairs. Ms. Johansen responded that the floor coating repairs is an ongoing activity, but when the floor temperature gets below 40 degrees during the winter, it's too low for application of the floor sealant product and the activity is put on hold. Ms. Johansen added that the temperature has warmed up within the last month, and the floor coating activities will resume.

Ms. Elsethagen asked if preparations are being made to repair the manway at the less than 90-day tank at trench 34. Ms. Johansen responded that Ecology was notified on March 22, 2019, that there was a drip from the manway at the bottom of the tank, and the tank would need to be drained to replace the gasket. Ms. Johansen noted that the tank needed to be taken out of service for 48 hours for repair, but due to the large amount of snowmelt, the tank couldn't be drained and taken out of service without exceeding the 12 inches of head on the liner. Ms. Johansen noted that since the weather has warmed up, the tank has stopped dripping. However, the gasket replacement is planned as soon as the leachate generation rate slows substantially. Mitch Marrott (CHPRC) noted that leachate collection at trenches 31/34 is still occurring at a fairly rapid rate, and two shipments of leachate were made this week. Gary Pyles (RL) added that during the peak of the leachate collection during the snow melt and rain there were two shipments per day out of trenches 31/34.

Mr. Fulmer reported that the 12th sludge transport and storage container (STSC) was received yesterday (4/24/19) at T Plant. Mr. Fulmer stated that replacement of the canyon high bay lights and cameras continues, and planning continues for the change out of the high-

efficiency particulate air (HEPA) filters in 291-T and 2706-T. Mr. Fulmer added that the new WAC requirements are being implemented at T Plant, including placing the hazardous labels on the access doors of the tank system. Ms. Johansen noted that ESQ-0054 states that documentation of the T Plant labeling will be done in the PMM, and photos of the labels on the access doors were provided to Ecology and will be attached to today's minutes. Ms. Johansen provided verbal confirmation today that the containers were also labeled appropriately in accordance with the new hazard labeling requirements. Ms. Johansen stated that when Ecology reviews and approves today's minutes, she will consider the ESQ-0054 item to document the labeling at the PMM will be closed. Ms. Elsethagen agreed that the item would be closed when the minutes are 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 the primary activity under the Agreed Order is associated with the box cover repair and replacement, and there have been no issues with the box covers. Ms. Johansen stated that the sizing of the box covers and the method for attaching the covers has been successful in resisting the wind.

B. CAFO

Ms. Johansen stated that notification was received from Ecology that the May 2, 2019 consent agreement/final order (CAFO) Data Quality Objective (DQO) meeting needed to be rescheduled. Ms. Johansen noted that a concern had been raised from one of the previous DQO meetings the aerial photos showed some discoloration. Ms. Johansen stated that after the snow melted, the concern was followed up and it was determined that a different gravel size had caused the area to look discolored. Ms. Johansen added that RL sent Ecology some photos, and Ecology has been invited to view the area. John Temple (Ecology) stated that he sent RL an email yesterday with dates to go out and look at the area.

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

Ms. Johansen stated that the review, comment, record (RCRs) for the inspection addenda were received last week from Ecology, and the current focus is primarily on the waste analysis plan (WAP). Ms. Johansen noted that the last issue on the WAP from Rev. 9 was resolved regarding the laboratory accreditation, which should allow RL/CHPRC to move forward with the WAP updates. Ms. Johansen stated that focus on the process information comment response has primarily been with LLBG.

D. Sludge Storage at T Plant

Ms. Johansen stated that as reported under the operational status, the 12th STSC was received yesterday at T Plant, and efforts will be under way to place it in the cell today and tomorrow. Ms. Johansen noted that there have been no issues with the sludge storage activities.

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 for general discussion.

VIII. Actions

There were no new action items established today. See table below for action item status. Ms. Elsethagen confirmed that she received the March 2019 operational report.

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 June 27, 2019. Kelly Elsethagen will not be able to attend, but she will designate a delegate for the PMM.

Actions Table

**Solid Waste Operations Complex (SWOC) 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. Pyles (RL) 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.
IAMIT Determination	Mr. Pyles (RL) and Ms. Elsethagen (Ecology) will review the IAMIT determination form regarding items for discussion at the SWOC PMM, in compliance with TPA Section 4.1, and Mr. Pyles will contact Ms. Elsethagen for concurrence. Mr. Davis (MSA) will then be contacted that there is concurrence with the form, and he will follow up with the IAMIT members for signature	Open	2/28/19	Action Established
		Closed	4/25/19	The IAMIT determination form was signed by the IAMIT members and submitted to the Administrative Record.

Hazard Labeling for T Plant Tank System Access Doors

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**

Hazard Labeling for T Plant Tank System Access Doors

M. G. Vesely
CH2M HILL Plateau Remediation Company

Date Published
April 2019

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

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under Contract DE-AC06-08RL14788

CH2MHILL
Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352

APPROVED
By Janis D. Aardal at 8:38 am, Apr 22, 2019

Release Approval

Date

Approved for Public Release;
Further Dissemination Unlimited

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Figure 1 Canyon HE Door



Figure 2 Canyon Sec 20 Door

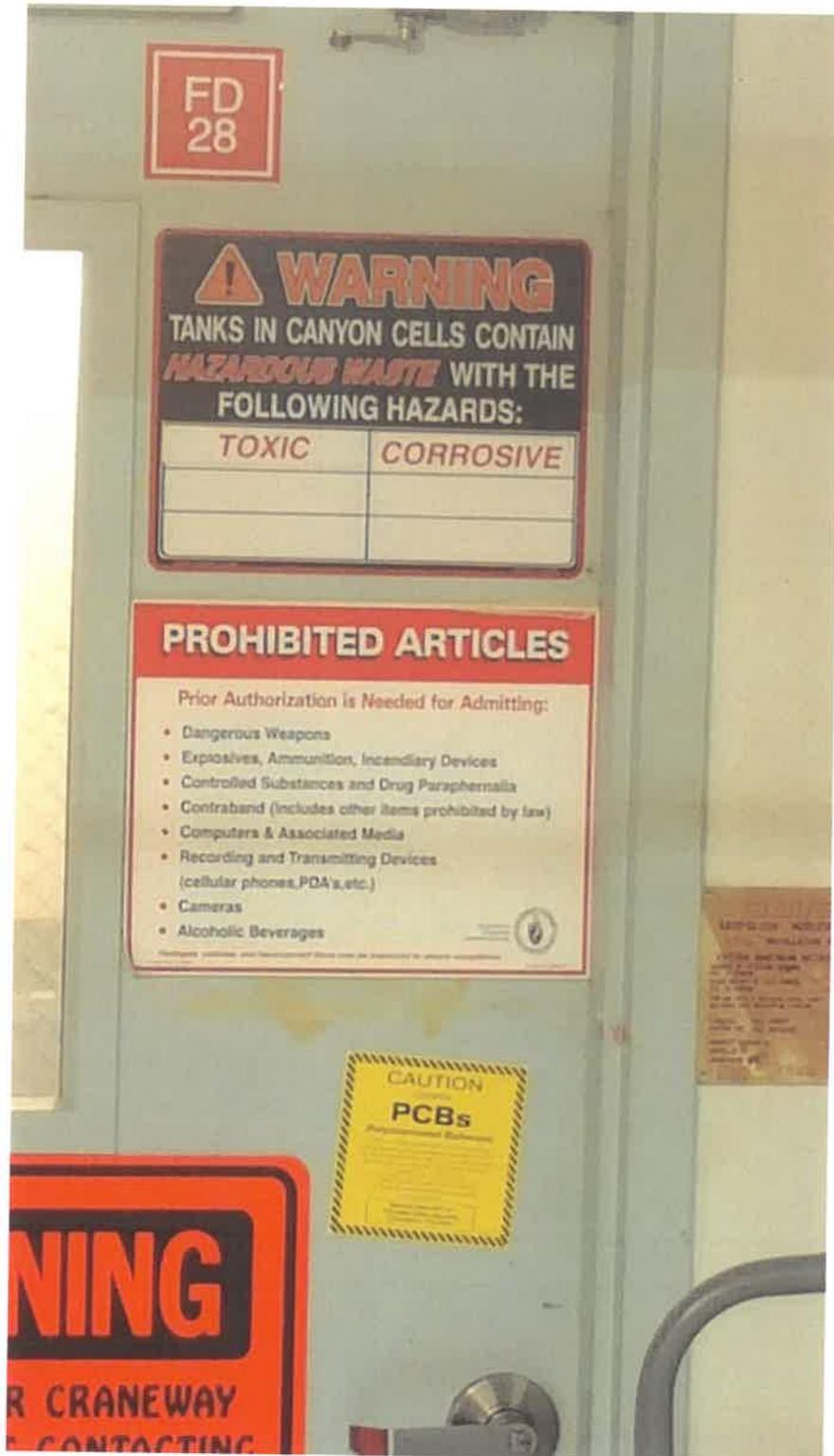


Figure 3 Crane way Sec 11 Door



Figure 4 Tunnel Door

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 4-22-2019

Facility	Drum/Small Container ¹	Medium Container ²	Large Container ³	Total Volume
CWC (March)	5589 (1363 m ³)	802 (1403 m ³)	344 (5051 m ³)	7817 m ³
CWC (April)	5589 (1363 m ³)	810 (1418 m ³)	343 (5002 m ³)	7783 m ³
T Plant (March)	11 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
T Plant (April)	9 (2 m ³)	0 (0 m ³)	8*(303 m ³)	305 m ³ *
WRAP (March)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	412 m ³
WRAP (April)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	412 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 (3/28/2019)	Number of Waste Containers in storage (4/22/2019)	Volume of Waste Containers in storage (4/22/2019)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	110	109	3178 m ³	Shipped out 325-75-0014S to PFNW on 3/28/19
Outside Storage Area B	11	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 =	185	116	115	3469 m³	

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

Waste Disposition Performance

Facility	Status as of 04-22-2019
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 FY2019. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums. <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • Legacy Laydown Yards Cleanup • Implementation of the new WAC 173-303 requirements, including additional hazard labeling for containers in accordance with 19-ESQ-0054, "Major Risk Labeling Path Forward".
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 <ul style="list-style-type: none"> • T31 (15) LLW 47.04M³ & (6) MLLW 15.3M³ • Continuing leachate collection & removal system operation at MWT 31 & 34 • Pump preventative maintenance and repairs at Trenches 31 & 34 <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • Implementation of the new WAC 173-303 requirements, including additional hazard labeling for containers in accordance with 19-ESQ-0054, "Major Risk Labeling Path Forward".
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> <ul style="list-style-type: none"> • Implementation of the new WAC 173-303 requirements, including additional hazard labeling for containers in accordance with 19-ESQ-0054, "Major Risk Labeling Path Forward".
T Plant	<p><u>CONTINUING</u></p> <ul style="list-style-type: none"> • Continuing surveillance and maintenance activities. • Current total received 11 STSCs <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • Next STSC shipment planned for ~ 4/24/19 • Continue replacing canyon high bay lights and cameras • Planning HEPA Filters changes in 291-T and 2706-T (Act 1 & 2) filter banks in CY2019 • Implementation of the new WAC 173-303 requirements, including additional hazard labeling for containers and access doors for tank systems in accordance with 19-ESQ-0054, "Major Risk Labeling Path Forward".

RCRA-Regulated Inventory

Number of Containers/Tanks and Volume as of 3-28-2019

Facility	Drum/Small Container ¹	Medium Container ²	Large Container ³	Total Volume
CWC (February)	5589 (1363 m ³)	798 (1396 m ³)	345 (5066 m ³)	7825 m ³
CWC (March)	5589 (1363 m ³)	802 (1403 m ³)	344 (5051 m ³)	7817 m ³
T Plant (February)	10 (2 m ³)	0 (0 m ³)	8*(303 m ³)	305 m ³ *
T Plant (March)	11 (3 m ³)	0 (0 m ³)	8*(303 m ³)	306 m ³ *
WRAP (February)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	412 m ³
WRAP (March)	217 (49 m ³)	0 (0 m ³)	8 (363 m ³)	412 m ³

Footnotes regarding volumes:

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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 (2/26/2019)	Number of Waste Containers in storage (3/28/2019)	Volume of Waste Containers in storage (3/28/2019)	Notes/Comments in Inventory Change from Previous Month
Outside Storage Area A	173	111	110	3228 m ³	
Outside Storage Area B	11	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 =	185	117	116	3519 m³	

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

Waste Disposition Performance

Facility	Status as of 03-28-2019
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 FY2019. • Continue roll-up door preventative maintenance and repairs. • Mining, segregating, and overpacking watch list drums. <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • 2120WA & 2120WB demolition completed (Non-Waste Storage Structures)
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 • Pump preventative maintenance and repairs at Trenches 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. • Current total received 10 STSCs <p><u>NEW ITEMS</u></p> <ul style="list-style-type: none"> • Next STSC shipment planned for ~ 4/3/19 • Continue replacing canyon high bay lights and cameras • Planning HEPA Filters changes in 291-T and 2706-T (Act 1 & 2) filter banks in CY2019

**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-126
Richland, Washington**

April 25, 2019

ATTENDANCE LIST

	NAME (Please PRINT)	ORGANIZATION
1.	Sandy Shore	CHPRC
2.	Kathy Knox	court reporter
3.	Stephanie Johansen	CHPRC
4.	Mitch Merrott	CHPRE
5.	Jonathan Fullmer	CHPRC
6.	Scott Davis	USA-TPA
7.	John Temple	ECY
8.	ED SOTO	ECOLOGY
9.	Morgan Johnson	Ecology
10.	Kelly Elsethagen	ECY
11.	GARY Pyles	DOE/ML
12.	Sara Austin via phone	CHPRC
13.		
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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-126
Richland, Washington**

**April 25, 2019
10:00 A. M. to 11:00 A. M.**

AGENDA

- I. The February 28, 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
- 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)**

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SWOC Units	Mr. Marrott (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.
IAMIT Determination	Mr. Pyles (RL) and Ms. Elsethagen (Ecology) will review the IAMIT determination form regarding items for discussion at the SWOC PMM, in compliance with TPA Section 4.1, and Mr. Pyles will contact Ms. Elsethagen for concurrence. Mr. Davis (MSA) will then be contacted that there is concurrence with the form, and he will follow up with the IAMIT members for signature	Open	2/28/19	Action Established