

February 18, 2020, Meeting Minutes Plutonium Finishing Plant (PFP) 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**

February 18, 2020, Meeting Minutes Plutonium Finishing Plant (PFP) Project Managers Meeting

Date Published
October 2020

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

APPROVED

By Julia Raymer at 3:48 pm, Oct 19, 2020

Release Approval

Date

TRADEMARK DISCLAIMER

Reference herein to any specific commercial product, process, or service by tradename, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

This report has been reproduced from the best available copy.

Printed in the United States of America

From: [Howell, Theresa \(ECY\)](#)
To: [Cox, William G \(Bill\)](#)
Cc: [Teynor, Thomas K](#); [Casper, Jason L](#)
Subject: Re: February 18 Meeting Minutes
Date: Tuesday, March 24, 2020 11:41:11 AM

I approve.
Thanks!

On Mar 24, 2020, at 11:24 AM, Cox, William G (Bill)
<william_g_bill_cox@rl.gov> wrote:

**THIS EMAIL ORIGINATED FROM OUTSIDE THE WASHINGTON STATE
EMAIL SYSTEM - Take caution not to open attachments or links unless you
know the sender AND were expecting the attachment or the link**

Per our discussion this morning, here are the February meeting minutes. The only change from when you saw them last is RA was spelled out as Regional Administrator. If you approve, please send me an email back noting your approval. I will note on the minutes signature lines approval per email and attach the emails.

Bye-the-way there were no open actions and the discussion item added to the agenda was the 236Z and 242Z under slab sampling (I finally got access to my HLAN account right after the meeting).

Thanks very much for your patience.
Bill Cox
<[PFP 200218 Minutes draft.docx](#)>

From: [Teynor, Thomas K](#)
To: [Cox, William G \(Bill\)](#)
Cc: [Howell, Theresa \(ECY\)](#); [Casper, Jason L](#)
Subject: RE: February 18 Meeting Minutes
Date: Tuesday, March 24, 2020 12:10:05 PM

I approve Bill. Thank you

R/ Tom Teynor
PFP Closure Project
Federal Project Director
Ph: 509-376-6363

From: Cox, William G (Bill) <william_g_bill_cox@rl.gov>
Sent: Tuesday, March 24, 2020 11:24 AM
To: Howell, Theresa (ECY) <teho461@ECY.WA.GOV>; Teynor, Thomas K <thomas.teynor@rl.doe.gov>
Cc: Casper, Jason L <jason_l_casper@rl.gov>
Subject: February 18 Meeting Minutes

Per our discussion this morning, here are the February meeting minutes. The only change from when you saw them last is RA was spelled out as Regional Administrator. If you approve, please send me an email back noting your approval. I will note on the minutes signature lines approval per email and attach the emails.

Bye-the-way there were no open actions and the discussion item added to the agenda was the 236Z and 242Z under slab sampling (I finally got access to my HLAN account right after the meeting).

Thanks very much for your patience.
Bill Cox

**February 18, 2020, Meeting Minutes
Plutonium Finishing Plant (PFP)
Project Managers Meeting
2420 STVCN, Room 126**

____ Approved by email (attached) _____ **Date:** _____
Project Manager Representative, DOE-RL

____ Approved by email (attached) _____ **Date:** _____
Project Manager Representative, Ecology

Administrative Record	H6-08
S. G. Austin, CHPRC	A6-01
J. L. Casper, CHPRC	T1-43
W. G. Cox, CHPRC	T1-43
T. Howell, Ecology	H0-57
M. T. Hughey, CHPRC	T4-53
E. Laija, EPA	A3-46
J. H. Temple, Ecology	H0-57
T. K. Teynor, RL	A6-38

Administrative Topics

Minutes from the January 14, 2020 Project Manager Meeting were signed will be submitted to the Administrative Record.

Action Status

Action	Actionee	Status
Provide notification prior to beginning each step of final phase demolition Demolition/load out of 236Z rubble	RL	Closed (email from DOE to Ecology dated 2/6/2020)
Provide 236Z one day isopleth to regulators when available	RL	Closed (meeting held on 2/11/2020 to present and discuss)

Status of PFP Waste Storage in the North Outside Storage Area (NOSA):

As of February 17 there were 5 1800TL container(s) of waste and 30 empties.

PFP Milestone Status (RL/CHPRC):

- M-083-00A, *Complete PFP Facility transition & selected disposition activities. Completion of this major milestone includes the following key elements: 1) completion of all activities necessary to achieve end point criteria established through Milestone M-83-20 for placing the PFP facility in a safe and stable S&M mode, 2) completion of all activities described in the approved M-83 series interim milestones and target date; and 3) completion of the balance of PFP selected disposition activities pursuant to the final action memoranda and work plans. Also see “description/justification” contained in change form M-83-01-03. 9/30/2017 (Missed)*

Project Progress, Issues, Concerns, and Challenges:

Jason Casper (CHPRC) explained that work to clean up the debris from the 236Z canyon had begun and so far been loading four roll on roll off containers in a work day. Crystal Mathey (DOH) stated that because work has begun on the 236Z debris, air sampling would be conducted this week or early next week (Weeks of February 17th or 24th).

• **Project Schedule Status (Attachment 1)**

Jason Casper (CHPRC) provided an overview of the Project schedule. Mr. Casper (CHPRC) said the 234-5Z schedule line is still showing open due to the TRU mixed drum of batteries. Ancillary structures from within the fence line will be moved into the demolition zone a few at a time for demolition. Removal of the steam line will be starting soon. Coring of 236Z and 242Z slabs for soil status under the slabs. Crystal Mathey (DOH) stated that the Department of Health will want to do air sampling during the coring activity.

Jason Casper (CHPRC) also discussed the plan to change the PFP air monitoring network to be focused for the 236Z rubble clean up. The total number of monitors will be reduced and focused around 236Z area.

• **Status of open actions from 21 stabilization and risk reduction activities (Attachment 2)**

Three of the TRU drums have been repackaged.

• **Changes to planned or actual work that departs from Demolition Resumption Plan**

Jason Casper (CHPRC) noted that a change in the direction of work for 236Z rubble is being made. It makes more sense and will be more efficient to work from south to north instead of north to south as the work documents currently require.

A meeting was held on February 11 to present and discuss the air dispersion one day isopleth. This was modeling performed to see what the dispersion looked like if all of the 236Z canyon rubble were picked up in one day. A 20 day duration model was also run. These results will be added as an addendum to the 236Z air dispersion model that has already been published (PNNL-27464). Hard copies of the isopleth maps were provided to the regulators

to compare against the 30 day isopleth published in the air dispersion model. Theresa Howell (Ecology) asked that copies of the addendum be provided to all three regulatory agencies once the document had been cleared. Tom Teynor (RL) agreed to provide copies. Jason Casper (CHPRC) also clarified that there was no intention to change from the 30 day duration assumption and that the new modeling results were just a way to demonstrate the conservatism built into the assumptions of the air dispersion model. Electronic copies of the air dispersion model addendum were provided to the meeting attendees on 3/7/2020 by email.

Ecology Topics:

Theresa Howell (Ecology) asked Emerald Laija (EPA) who was on the phone, if the EPA Regional Administrator Tour would include touring PFP. Ms. Laija (EPA) replied that the tour locations have not been selected, but PFP is not a focus.

Meeting Summary:

Tom Teynor (RL) thanked everyone for being forthright and willing to work together to solve issues.

- New Actions:
No new actions resulted from this meeting.

Next Meeting Date and Location:

The next meeting was scheduled to occur on March 24th at 0900 hours in MO287 conference room.

Attachments:

Attachment 1: Summary Field Execution Schedule

Attachment 2: Status of 21 Stabilization and Risk Reduction Activities

Attachment 1 Summary Field Execution Schedule

			PFP Field Execution Schedule				Data Date: 09-Feb-20 Project: RL-011 NM				
#	Activity ID	Description	Item Dur	Start	Finish	Chg from Last Month					
1	Total		47	11-Dec-19 A	30-Apr-20	0	2020				
2	234-5Z Plutonium Finishing and Storage Facility		27	11-Dec-19 A	28-Mar-20	0	Feb	Mar	Apr	May	
3	234-5Z Higher Risk Demolition		27	11-Dec-19 A	28-Mar-20	0	<div></div>				
4	Ancillary and Misc. Yard Removal		20	03-Feb-20 A	16-Mar-20	-8	<div></div>				
5	Ancillary and Misc. Yard Removal		20	03-Feb-20 A	16-Mar-20	-8	<div></div>				
6	236-Z Plutonium Reclamation Facility		37	10-Feb-20	14-Apr-20	0	<div></div>				
7	236-Z Canyon Demolition and Debris Loadout		37	10-Feb-20	14-Apr-20	0	<div></div>				
8	236-Z Canyon Demolition and Debris Loadout - Post Jobs/Lessons Learned		1	08-Apr-20	08-Apr-20	0	<div></div>				
9	236-Z and 242-Z Slab Characterization		14	08-Apr-20	30-Apr-20	0	<div></div>				
10	Core Drill and Characterize 236-Z and 242-Z Slabs		14	08-Apr-20	30-Apr-20	0	<div></div>				
This is a deterministic schedule with the following assumptions:											
<div>-No significant impacts from lost work days due to one or more of the following:<ul style="list-style-type: none">-Weather-Staffing-Equipment failures-Stop works-Site conditions-Contamination events-Other unforeseen circumstances</div> <div>-Planned shift configuration and concurrent demolition will be as effective as anticipated.</div>											
Page: 1 of 1											

Attachment 2 Status of 21 Stabilization and Risk Reduction Activities

#	Activity	Communication DOE/Regulators
1	Shipping previously containerized waste to CWC. (Approximately 1 out of 35-TRU Drums, 5 out of 55-LLW Drums, 1 out of 45-Hazardous Waste Drums remain)	7 containers left to ship
2	Placing covers over super sacs (containing PRF strongbacks and gallery GB sections) to ensure container integrity pending waste loadout. (Approximately 25-IP1 Bags with PRF waste items, 20-Bags with PRF rubble)	Completed 7/19/2018
3	NDA of loaded waste containers (with specific focus on the 1800 TLs noted in item #1 above)	*
4	Perform visual inspection & repack of 5 loaded waste drums	1 left
5	Perform inspections, surveys, and shipment to ERDF of previously loaded RO/RO containers	Completed 12/18/2018
6	Perform hydrant tie in to location adjacent to Dayton & 19 th to support water source outside of new proposed CA supplying PFP water loop	Completed 4/23/2018
6a.	Includes laying water line in and outside of current RBA/PFP work control zone	Completed 4/23/2018
6b.	Tie into current water loop replacing connection to current hydrant	Completed 4/23/2018
6c.	Excavation of road crossings under 19 th Street and Dayton Avenue are located in radiological clean areas outside the PFP access control boundary	Completed 4/23/2018
7	Isolation of water connections inside the PFP boundary and facilities	*
8	Define and implement access control updates in conjunction with MSA to support sewer maintenance activities and security surveillances. MSA is evaluating the possibility of sealing the manhole cover. Activities will not involve excavation inside of radiological posted Contamination Areas	Completed 3/15/2018
9	Working with MSA coordinate Electrical Utilities configuration in the proposed PFP boundaries to minimize impacts to 200W power distribution. Activities will not involve excavation inside of radiological posted Contamination Areas	Completed 3/15/2018
10	Implementation of additional expanded boundary monitoring equipment and associated power supply	*
11	Relocation of personal items from the PFP trailers	Completed 6/26/2018
12	Move clean equipment out of the work zones (NDA, chemicals, supplies)	*
13	Installation of back-up generators and battery change outs for the communications trailers	Completed 3/23/2018
14	Update Primary and alternate staging areas designations and postings	Completed 4/26/2018
15	Update Primary and alternate ICP designations, postings, and materials	Completed 6/5/2018
16	Update emergency response documentation to support the increased boundaries	Completed 4/26/2018
17	Perform baseline surveys of areas to be included in new work control zones	*
18	Establishment of warming/cooling areas/tents/buildings at exit/release points	*
19	Protect/cover/wrap equipment that must remain in the new boundary to support future use	*
20	Remove or relocate approximately 30 empty ERDF containers	Completed 4/26/2018
21	Perform Super Sack loading – Status 20 of 20 TRU Complete	Completed 6/18/2018
* Completed – Will remain open due to other authorized activities still on going		

PFP Project Managers Meeting
2420 STVCN, CR 126
February 18, 2020
ATTENDANCE LIST

Name	Organization	Phone Number
1. Jason L. Casper	CHPRC - PFP	208-346-0426
2. Bill Cox	CHPRC - PFP	509-372-2345
3. Theresa Howell	Ecology	509-372-7955
4. Tom Tegner	DOE RL	509-376-6363
5. Crystal Matney	WDOH	(509) 578-0843
6. Jim PAYNE	DOE-RL	509-376-5881
7. Shannon Hardziej	WDOH	509-537-2054
8. Emerald Laija	EPA (onphone)	
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		