

March 8, 2018, Meeting Minutes  
 Plutonium Finishing Plant (PFP)  
 Bi-Weekly Meeting on Ecology/EPA/WDOH Letters  
 Building 2430 STVCN/Room 199 3:30-4:30pm

*Glenn R. Kozak*

Date: 3/20/18

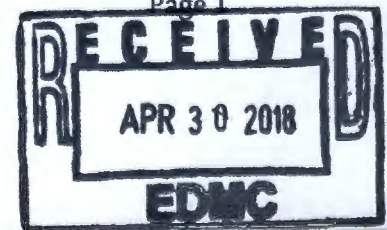
Project Manager Representative, DOE-RL

*Stephen A. Long*

Date: 3/20/18

Project Manager Representative, Ecology

Administrative Record (M-83)	H6-08
S. G. Austin, CHPRC	A6-01
N. S. Cruz, CHPRC	A6-01
W. G. Cox, CHPRC	T5-60
L. J. Cusack, CHPRC	A6-01
D. R. Einan, EPA	A3-46
E. T. Faust, RL	H5-30
M. T. Hughey, CHPRC	T4-53
G. R. Konzek, RL	A6-38
E. Laija, EPA	A3-46
C. Mathey, WDOH	B1-42
L. C. Petersen, CHPRC	A6-01
S. N. Schleif, Ecology	H0-57
B. J. Stickney, RL	H5-30
T. K. Teynor, RL	A6-38
T. Vaughn, CHPRC	T4-52
K. A. Wooley, CHPRC	T5-60
A. K. Wright, RL	H5-30



The purpose of this meeting was to status the remaining information requested in the January 9, 2018, Ecology/EPA PFP Creation of Danger letter; request clarification on shipping per Department of Transportation (DOT) requirements based on Alex Smith's email response to RL's list of stabilization/risk reduction work; and provide a status of responding to the January 30, 2018, WDOH Letter of Concern. The attendance roster and agenda are attached.

**January 9, 2018 Ecology and EPA Letter Topics:**

**Meeting Minutes:**

Meeting minutes for the February 6, 2018 bi-weekly status meeting, the February 14<sup>th</sup>, 2018 briefing on the Radiological Boundaries, and the February 20, 2018 bi-weekly status meeting were provided to the regulators for review. Stephanie Schleif, Ecology, stated she would provide comments on Monday, March 12, 2018.

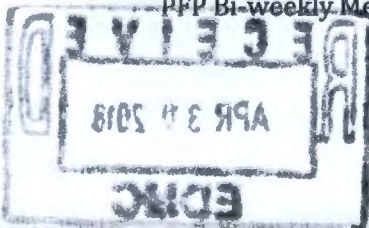
**Causal Analysis Briefing and Report Update (Item #1)/Corrective Action Briefing (Item 2):**

Tom Teynor, RL, stated the draft causal analysis had been placed on the PFP Recovery website that afternoon, and will be reviewed by the expert panel next week along with some proposed corrective actions. Brian Stickney, RL, stated that Alex Smith, Ecology, had received a heads up copy earlier that day.

Mr. Teynor stated that CHPRC is developing a Field Execution Schedule for the RL List of 20 items to be completed for stabilization/risk reduction to establish the revised radiological boundary, and a revised demolition plan/strategy. Both will be shared with the Regulators subsequent to internal Hanford reviews. The demolition plan will remain in draft until feedback and observations are provided by the expert panel. Mr. Stickney added that a schedule is being developed for the draft corrective actions; and additional corrective actions are likely based on final review and approval of the causal analysis report. Ms. Schleif clarified the Ecology and EPA briefing requested in the January 9, 2018 letter is for when the corrective actions are finalized.

**Bio-assay Update (Item #7):**

Terry Vaughn, CHPRC, stated there have been 294 requests for bioassays. As of March 6, 2018 13 workers decided to withdraw their request for a bioassay, decreasing the number of originally requested bioassays from 294 to 281. There are 18 laboratory results remaining to be returned; all are expected by March 19, 2018 (previously March 5, 2018). GEL Laboratory has experienced equipment issues and some of their workers have the flu which is slowing turn-





around times. Results received to date were summarized, and will be placed on the PFP website by next Tuesday, March 13, 2108.

Mr. Stickney stated that MSA has been reaching out to workers to obtain their feedback to see if there are programmatic improvements that can be made regarding the bioassay process. To date they have reached out to approximately 100 workers, and made contact with about 50. Overall, Bioassay 101 training appears to be effective at communicating the process; however, workers have commented that it takes a long time to receive results.

John Martell, WDOH, stated that an employee who had their house surveyed contacted him to obtain WDOH's data that was gathered during the CHPRC home surveys, including what instruments were used. In response, Mr. Martell supplied information from their log book entries and overall results.

Clarification of Shipping in compliance with Department of Transportation (DOT) requirements as indicated in Alex Smith's email

Ecology's email (February 23, 2018, Smith, Ecology, to Teynor, RL) regarding Ecology's concurrence with the 20 risk reduction and stabilization activities at PFP also included four protective measures. One was, "Containers will be shipped in accordance with DOT requirements." Mr. Teynor requested a clarification/change to that measure to include shipment under the Hanford Site Transportation Safety Document (TSD). Mr. Teynor agreed to send an email to Ms. Schleif and Dave Einan, EPA, with pertinent information, and EPA/Ecology would respond.

Regulator Topics

Ecology/EPA/WDOH did not have any additional topics.

Status of Action Items (Ecology/EPA letter):

Allison Wright, RL, went over the open action items listed on the Agenda. The information below summarizes the updates to the action items, and an update on PFP's progress on stabilization/risk reduction and other reviews.

Glenn Konzek, RL, stated CHPRC had provided a position paper on the need to revise the Removal Action Work Plan (RAWP). He is reviewing, and does not have a target date to provide information to Ms. Schleif as this time.

Kelly Wooley, CHPRC, provided the following update on stabilization/risk reduction activities:

- The Project has transferred 5 1800 TLs to the North Outside Storage Area (NOSA). An additional shipment scheduled for March 9, 2018 was cancelled due to forecasted rain.
- The 272-WA building's water and sewer discharges went to a manhole holding area near 234-5Z and is periodically manually emptied. The manhole is now in the new RBA. MSA is evaluating two options to accommodate the needs of building 272-WA due to this impact. Option A includes the reactivation of a portion of a previous drain field. Waste would be pumped to a tank, and waste dispositioned. MSA is coordinating with WDOH's Spokane Office. Option B is to plug the line from 272-WA to the sewer and only utilize the building's kitchen greatly reducing the volume of discharge.
- A water line tie-in to the CWC parking lot hydrant is being implemented to supply PFP's water usage needs (e.g., dust suppression during demolition). Work is scheduled to be completed during the week of March 12, 2018, followed by disconnection from the current hydrant now in the expanded boundary.
- Water lines in the abandoned PFP Trailer Village (i.e., MO-011, 2754, etc.) are being isolated to prevent them from discharging to the lift station. The lift station will be pumped out, then it will be secured, backfilled and plugged.
- Next week a Hazard Review Board will be scheduled to review the work package for moving the supersacks containing strong backs, glove box segments, and debris to allow them to be re-NDA'd, and subsequently shipped to the NOSA. In addition, the Project has received the tarps that will provide an interim protective cover over the supersacks from the environs. Mr. Teynor stated that the Project would review lessons learned from movement of the supersacks for NDA purposes prior to packaging the material into waste containers. Ms. Schleif stated that containerizing the supersacks was not a part of RL's 20 risk reduction and stabilization activities. Mr. Teynor agreed to send a follow-up e-mail to include this activity for Regulator concurrence.
- The installation of the new trailer village is nearly complete and operational. On March 7, 2018, power was supplied to the trailers, and Hanford Local Area Network is scheduled to be hooked up the week of March 12, 2018. The support trailers near the "Gypsy Camp" are in position, but the Personnel Contamination Monitors need to be installed.
- The Project has initiated procurement of additional chemicals needed for stabilization and resumption of demolition (e.g., fixative, etc.).

Mr. Teynor added that the RL List of stabilization activities will be added to the PFP Recovery Website. The PFP Project is working towards completing the actions to establish the new radiological boundaries by the end of April 2018. CHPRC plans to conduct a brainstorming workshop to get additional ideas/input on how to proceed with demolition that will feed into the update to the demolition plan/strategy. Jim McAuley, EPA Radiation Protection, asked if a containment structure over 236-Z is being considered; and Mr. Teynor stated it was not.



Mr. Wooley stated their Corporate Assessment of the CHPRC Radcon program across the site will have the first round of results early next week. Issues are being addressed as they are identified. A factual accuracy check and submittal to the Condition Report Resolution System will be completed. The final report is scheduled to be completed by March 30, 2018 but could be extended.

Ms. Schleif inquired about the schedule and cost to complete the balance of PFP demolition, and impact to other TPA milestones and projects. Mr. Teynor stated the impacts to the other milestones and projects are in review, and added that sampling under the PFP slabs (236-Z and 242-Z) is still being considered. At this time, the S&GRP is expected to be impacted. During the stabilization activities, some workers are being reassigned to other projects, and will be brought back when demolition resumes.

Bi-weekly Wrap up/Action Items:

1. Provide Field Executive Schedule for RL's List of 20 stabilization activities to EPA/Ecology/WDOH after DOE review – Teynor
2. Provide revised Draft demolition plan/strategy to Regulators – Teynor
3. Send email requesting clarification on DOT requirements for shipments to include use of the Hanford Site Transportation Safety Document to Ecology/EPA, and also update Activity 2 to include waste packaging. – Teynor **(Completed March 9, 2018)**
4. Concurrence from Dave Einan/Alex Smith on Item 3 – Einan/Schleif **(Completed by email on March 12, 2018)**.
5. Minutes – Allison to Draft/Glenn to finalize.

**WDOH Letter of Concern for Contamination Events Resulting from Plutonium Finishing Plant (PFP) Demolition Performed under Comprehensive Environmental Response Compensation and Liability Action (CERCLA) Removal Action, dated January 30, 2018**

**Response Status and Schedule:**

Eric Faust stated that CHPRC had delivered Hanford's interim response to WDOH and Ecology earlier today. RL received e-mail approval from WDOH to provide several items after the March 9, 2018 requested date due to the fact they would not be available any sooner than that.

**Wrap up/Action Items:**

1. WDOH Letter of Concern – Provide feedback on Hanford's interim response to January 30, 2018 letter – Martell

Next Meeting – scheduled for March 20, 2018, Combined with the PFP TPA Project Managers Meeting, 9:30-11:30am, Ecology Office Conference Room 3C.

**Attachments:**

- Attendance Roster
- Agenda

**Agenda for March 8, 2018 PFP Bi-weekly meeting:**

**Meeting Minutes – Approval of February 6, February 14, and February 20 (if review completed)**

**Causal Analysis Briefing and Report (item 1)/Corrective Action Briefing (Item 2) – Teynor/Stickney**

**Bioassay Update – Vaughn**

**Clarification of Shipping DOT on Alex Smith email - Use of the Hanford Transportation Safety Document.  
– Teynor**

**Regulator Topics – Stephanie Schieff/Dave Einan/John Martell**

**Open Action Items:**

- **Causal Analysis Briefing and Report – Teynor/Stickney (on-going)**
- **Corrective Actions Briefing – Teynor/Stickney (on-going)**
- **Bioassay Updates (Including emails to regulators that website is being updated). – Vaughn/Tyree – currently projected to be completed March 19, 2018**
- **Input/Feedback on January 26, 2018 documents/Information provided – EPA/Ecology/WDOH**
- **February 6, 2018 minutes – Provided to regulators for comment Feb 22, 2018.**
- **Determine need to update RAWP with new Area of Contamination – Konzek/Cox/Schleif**
- **Provide revised Air Dispersion Model for 234-5Z to regulators – Teynor/Oldfield (available at the end of March)**
- **Provide revised Air Dispersion Model for 236-Z to regulators – Teynor/Oldfield (available April)**
- **February 14, 2018 minutes – Provided to regulators for review on February 22, 2018.**
- **February 20, 2018 minutes – Provided to regulators for review on March 5, 2018**
- **Provide notice to regulators when each of the RL's List of 20 risk reduction activities are completed – Teynor (on-going)**

**Closed Items:**

- **Brief workers (Including ERDF) on radiological recovery boundaries and list of activities approved. – Wooley - The initial communications on the boundaries and activities including ERDF specific briefings have been provided, and we have an on-going communications plan that will keep personnel informed on the PFP changes as we progress forward.**

**Bi-weekly - New Actions Items**

**WDOH Letter of Concern Letter – Faust/Peterson**

**Next Meeting – March 20, 2018, Combined with PFP PMM, 9:30am-11:30 am, Ecology Office Conference Room 3C.**



