

PFP Recovery Update – January 24, 2018

Updated 9:30 a.m. PST

Updates since January 23, 2018 highlighted

CHPRC is not authorized to conduct PFP demolition work until DOE has been briefed and concurs with the path forward. The focus at PFP is on the health and safety of the workforce, addressing worker concerns, ensuring PFP remaining facility debris and rubble piles are stable, and mitigating the potential for any additional spread of contamination

**Plant Status**

System/Area	Status
PFP Workforce	<ul style="list-style-type: none"><li>No safety events since last report.</li></ul>
PRF Area	<ul style="list-style-type: none"><li>On Jan. 23, crews resumed covering the remaining PRF stub wall with dirt and anticipate finishing that activity on Jan. 24.</li></ul>
PFP Property Area	<ul style="list-style-type: none"><li>Fixative application and retrieval of government property from office trailers inside contamination areas is ongoing.</li></ul>

**Radiological Surveys, Sampling and Analysis**

**On-Site and Environmental:**

- Cookie Sheets (64 total): No contamination found during swing shift surveys of 64 cookie sheets Jan. 23; Jan. 24 day shift surveys are ongoing.
- Continuous Air Monitor Readings (14 total): CAMs reading <1 DAC-hr as of 8:00 a.m. PST Jan. 24.
- Air Samplers (22 total): Air samples exchanged with no indication of activity, other than radon, as of 11:00 p.m. PST Jan. 23.

**Bioassays:** The table below provides an initial summary of bioassay results following the spread of contamination in December. The date is current as of January 23rd. This information will be updated as more results are received. Individual employees are briefed on their bioassay results as soon as the results are available. More information on the bioassay results is available in a message the DOE-RL Manager sent to Hanford Site employees today (Attachment 1).

	December 2017
Requested	271
Negative	89
Initial Positive	2
Less than 1 mrem	1
1-10 mrem	0
10-20 mrem	1

- Data current as of January 23, 2018
- Doses are the expected dose over 50 years
- DOE dose limits are 100 mrem/year for non-rad workers and the public onsite (DOE O 458.1) and the Hanford the Hanford Administrative Control Limit for Rad Workers is 500 mrem/year

**External:** The Washington State Department of Health (DOH) recently advised that environmental sampling results from monitoring sites near PFP and between PFP and the perimeter of the Hanford Site for November and December are available. Results show elevated levels of plutonium and americium outside the Plutonium Finishing Plant radiological control area in the vicinity of the plant. A map

showing these sampling locations, as well as a table of the DOE and DOH sampling data, are posted on PFP web page on [www.hanford.gov](http://www.hanford.gov)

In addition, elevated levels of contamination were detected on-site in two locations further away from PFP. Contamination at these locations further away from PFP was detected at levels that were above background, but do not pose a public health risk and were well below regulatory limits.

More information on the sample results, including DOE expectations for control of contamination to protect workers and the environment, are in today's Hanford site-wide message from the DOE-RL Manager (Attachment 1).

- **Government Vehicle Radiological Surveys:**

- Surveys to PFP-controlled government vehicles were completed Jan. 23. Decontamination and dispositioning of 27 contaminated vehicles is ongoing. Those vehicles remain in a posted contamination area.

	Total
<b>PFP-Controlled government vehicles surveyed</b>	<b>97</b>
Decontaminated and returned to service	2
Contaminated and awaiting disposition (held as radiologically-controlled vehicles or decontaminated)	27
No contamination found and returned to service	68

- **Personal Vehicle Radiological Surveys:**

- Seven personal vehicles identified with contamination at COB Dec. 19 and all seven personal vehicles were decontaminated and returned to owners as of 3:30 p.m. PST on Tuesday, Dec. 26.

- **Home Surveys:** There have been no new requests for home surveys. All requested (seven total) home surveys completed (Dec. 20) with no contamination found.

### **Future Actions**

- Daily contamination surveys will be conducted.
- Continue to monitor air samplers.
- Application of fixative and soil will occur as weather allows

### **Workforce Management**

- The workforce remains committed to the current mission of hazard recognition and control, despite the challenging situation.