

**PFPR Recovery Update – January 25, 2018**

**Updated 1:05 p.m. PST**

**Updates since January 24, 2018 highlighted**

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

**The next update will be Jan. 29, 2018**

**Plant Status**

<b>System/Area</b>	<b>Status</b>
PFPR 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>After experiencing high winds on Jan. 24, PFPR restricted access to the expanded work control zone to conduct precautionary radiological surveys, per procedure implemented following the Dec. 2017 contamination spread. As of 7:00 a.m. Jan. 25, no contamination was found. Surveys are expected to be complete mid-day Jan. 25.</li> <li>On Jan. 24, crews completed covering the remaining PRF stub wall with soil.</li> </ul>
PFPR Property Area	<ul style="list-style-type: none"> <li>Fixative application and retrieval of government property from office trailers inside control area areas is ongoing.</li> </ul>

**Radiological Surveys, Sampling and Analysis**

**On-Site and Environmental:**

- Cookie Sheets (64 total): No contamination found during Jan. 24 swing shift surveys of 64 cookie sheets Jan. 24 or during Jan. 24 day shift surveys of cookie sheets.
- Continuous Air Monitor Readings (15 total): 14 CAMs reading <1 DAC-hr as of 11:30 a.m. PST Jan. 25.
  - CAM 6, located inside a high contamination area and airborne radioactivity area, measured 1 DAC-hr, with initial indications it is likely radon. Further evaluations continue.
- Samplers (22 total): Air samples exchanged with no indication of activity, other than radon, as of 11:00 p.m. PST Jan. 24.

**Bioassays:** The table below provides an initial summary of bioassay results following the spread of contamination in December. The data is current as of Jan. 25 at 9:00 a.m. 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.

Requested	271
Negative	89
Initial Positive	1
Less than 1 mrem:	0
1-10 mrem:	0
10-20 mrem:	1
Positive with Verified Dose	1
Less than 1 mrem:	1
1-10 mrem:	0
10-20 mrem:	0

- 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 Administrative Control Limit for Rad Workers is 500 mrem/year.

**External:** Information about Washington State Department of health environmental sampling results are available at [hanford.gov](http://hanford.gov), including a map and survey data.

- **Government Vehicle Radiological Surveys:**

- Surveys of 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>	97
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.

**Communications**

- *Tri-City Herald* coverage of the Jan 24. all-employee message regarding air monitoring results and bioassays is [here](#).
- On Jan. 24, CHPRC leadership discussed with Soil and Groundwater Remediation employees the recent events at PFP and current recovery actions; briefings to other Hanford Site employees are scheduled.