

**PFP Recovery Update – January 31, 2018**

**Updated 3:45 p.m. PST**

**Updates since January 30, 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>Area remains stable since last report.</li> </ul>
PFP Property Area	<ul style="list-style-type: none"> <li>On Jan. 30, crews completed surveying parking/storage locations associated with the personal vehicle found contaminated Jan. 26. No contamination was detected at the parking/storage locations: near MO-287 (office trailer outside the PFP work control zone), in 2711-E (a garage in the 200 East Area with a lift for survey of the undercarriage), 6681-D (a maintenance building at the Environmental Restoration Storage Facility for additional surveys), and a radiological material area inside the PFP work control zone (after contamination was detected).</li> <li>On Jan. 30, crews continued routine fixative application to rubble piles.</li> <li>On Jan. 31, fixative application and dirt stockpiling (to cover contaminated ground near PRF) continued.</li> </ul>

**Radiological Surveys, Sampling and Analysis**

**On-Site and Environmental:**

<b>Cookie Sheets (66 total)</b>		
	<b>Jan. 31 Day Shift</b>	<b>Jan. 30 Swing Shift</b>
<b>Number Surveyed</b>	<b>53</b>	<b>66</b>
<b>Number Clean*</b>	<b>53</b>	<b>66</b>
<b>Number Contaminated (Note location and level)</b>	<b>0</b>	<b>0</b>
*Clean = direct contamination < 500 dpm/100cm <sup>2</sup> and removable contamination < 20 dpm/100cm <sup>2</sup> (or < 100 dpm/100cm <sup>2</sup> in a posted CA or HCA)		

- Continuous Air Monitor Readings (15 total):** All CAMs reading <1 DAC-hr as of 12:00 p.m. PST Jan. 31.
- Samplers (22 total):** Air samples exchanged with no indication of activity, other than radon, as of 11:00 p.m. PST Jan. 30.

**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. 30 at 9:30 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
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Negative	109
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:**

- **Air Sampling:** On Jan. 30, DOE-RL received a letter (*Attachment 1*) from the State of Washington Department of Health expressing concern about contamination spreads during demolition activities. DOE-RL distributed an all-Site employee message regarding this letter (*Attachment 2*) and provided clarification the contamination detected at monitoring stations in the K Area occurred in early 2017 instead of late 2017 as was originally communicated.
- **Government Vehicle Radiological Surveys:**
  - On Jan. 31, CHPRC completed re-surveys of 16 government-controlled vehicles with no contamination detected. These vehicles were resurveyed based upon new requests from employees. These vehicles were already surveyed, with no contamination discovered, in December.
  - 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>	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.
  - After one of the seven vehicles previously decontaminated and left near the demolition area by its owner was re-surveyed, and contamination found on Friday, Jan. 26., the other six owners were contacted. No contamination was detected on two of the vehicles that were returned to the Hanford Site for surveying. Three vehicles belong to employees who declined to have their cars re-surveyed.

- A follow-up survey will be conducted of a rental car (one of the seven personal vehicles) that was on the Hanford Site in December and was decontaminated and released.
- **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**

- Questions and answers on high-fired plutonium oxides, including whether specks of contamination are likely to be that type of oxide, have been added to the PFP Recovery Q&A document posted on the PFP web page on [www.hanford.gov](http://www.hanford.gov).
- CHPRC leadership discussed with Environmental Restoration and Disposal Facility employees the recent events at PFP and current recovery actions; briefings to other Hanford Site employees are scheduled.
- Jan. 30 media coverage related to PFP included:
  - Northwest Public Broadcasting: "[At Hanford, Radioactive Waste Just Keeps on Spreading](#)"
  - *Tri-City Herald*: "[Hanford workers moved to new offices. But radioactive contamination found again.](#)"