

PFP Recovery Update – February 1, 2018

Updated 2:00 p.m. PST

Updates since January 31, 2018 highlighted

Next update will be February 5, 2018

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"> No safety events since last report.
PRF Area	<ul style="list-style-type: none"> Area remains stable since last report.
PFP Property Area	<ul style="list-style-type: none"> On Jan. 31, crews placed dirt over contaminated areas north of 234-5Z, applied fixative to mobile offices, began site preparations to erect a tent under which vehicle decontamination will take place and perform compliance-related maintenance on waste drums at PFP.

Radiological Surveys, Sampling and Analysis

On-Site and Environmental:

Cookie Sheets (66 total)		
	Feb. 1 Day Shift	Jan. 31 Swing Shift
Number Surveyed	Day shift surveys underway as of 2:00 p.m.	66
Number Clean*		66
Number Contaminated (Note location and level)		0
*Clean = direct contamination < 500 dpm/100cm ² and removable contamination < 20 dpm/100cm ² (or < 100 dpm/100cm ² in a posted CA or HCA)		

- Continuous Air Monitor Readings (15 total):** All CAMs reading <1 DAC-hr as of 12:40 p.m. PST Feb. 1.
- 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. 31 at 4:22 p.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	273
Negative	115
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 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 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. The letter and all-Site employee message are available on Hanford.gov.
- **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
PFP-Controlled government vehicles surveyed	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.
 - On Jan. 31, crews completed a follow-up survey of a rental car that was on the Hanford Site in December and was decontaminated and released. No contamination was detected during the Jan. 31 follow-up survey. On Feb. 1, DOE-RL distributed an all-Site message regarding the survey results (*Attachment 1*).
 - 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.
 - 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).

- **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

- On Feb. 1, a PFP employee called a stop work to clarify work allowed with regard to the Jan. 9 letter (*Attachment 2*) from the Washington State Department of Ecology and the U.S. Environmental Protection Agency. The employee was concerned the letter prohibited recovery and stabilization work. Once PFP management provided clarification recovery and stabilization work was allowed (with DOE concurrence) the employee lifted the stop work.
- The workforce remains committed to the current mission of hazard recognition and control, despite the challenging situation.

Communications

- On Feb. 1, PFP leadership discussed with CHPRC Human Resources staff the recent events at PFP and current recovery actions; briefings to other Hanford Site employees are scheduled.