

PFP Recovery Update – January 17, 2018

Updated 1:25 p.m. PST

Updates since January 16, 2018 highlighted

Activities at the PFP include movement of employees from the expanded work control zone and routine surveillances.

Plant Status

System/Area	Status
PFP Workforce	<ul style="list-style-type: none">• No safety events since last report.• On Jan. 17, PFP management began relocating employees to offices and workspaces outside of the expanded control zone due to the overwhelming presence of naturally occurring radon in the PFP trailer village area. Routine surveys continue to detect the presence of radon, which is treated as alpha contamination until further analysis determines otherwise. Relocation of office areas, and a future radiological posting change of that area, will reduce the resource impact of repeat radon detection. CHPRC distributed an all employee message (<i>Attachment 1</i>) to announce these changes.• PFP employees issued a stop work related to the office moves, requesting the moves occur at once, rather than in a phased approach. PFP management is moving employees Jan. 17 and 18 and is working to resolve the stop work.
PRF Area	<ul style="list-style-type: none">• Debris pile remains covered with 3-5 feet of soil and layer of fixative.• Crews are preparing to place a soil cover over the PRF stub walls (6-8 foot tall sections of remaining PRF canyon walls), which will require radiological posting changes. The walls have been repeatedly covered with fixative since Dec. 15; a soil cover will provide more stable, longer-term protection. Communication about the radiological posting changes will be distributed Jan. 18.
PFP Property Area	<ul style="list-style-type: none">• The PFP team is preparing to change radiological postings on Jan 19 to support additional soil placement on the Plutonium Reclamation Facility rubble pile as part of routine maintenance. Communication and maps will be distributed on Jan. 18.• Radiological surveys continue finding instances of naturally occurring radon.

Radiological Surveys, Sampling and Analysis

On-Site and Environmental:

- Cookie Sheets (60 total): No contamination found during swing shift surveys of 60 cookie sheets Jan. 16 and 46 surveyed Jan. 17 on day shift.
- Continuous Air Monitor Readings (14 total): CAMs reading <1 DAC-hr as of 12:30 p.m. PST Jan. 16.
- Air Samplers (22 total): Air samples exchanged with no indication of activity, other than radon, as of 11:00 p.m. PST Jan. 16.

- **Bioassay:** Received no new requests for a bioassay on Jan. 16. Bioassays will determine dose, if any, received by employees and will be reported in millirem (mrem) to affected individuals over the next few weeks.
 - 271 total requests as of 12:00 p.m. PST Jan. 15
 - MSA: 110; WRPS: 92; CHPRC: 69
- **External:** Awaiting Washington State Department of Health (DOH) air samples taken Dec. 19 and Dec. 20 as well as data from DOH cookie sheets.
- **Government Vehicle Radiological Surveys:**
 - No changes to the status of PFP-controlled government vehicles as of 11:45 a.m. PST Jan. 17:
 - Numbers below do not reflect a status survey on the 12 government vehicles conducted on Jan. 15 (7 vehicles; no contamination found) and Jan. 16 (5 vehicles; contamination found on all). Those vehicles remain in a posted contamination area.

	Previously reported	Since Jan. 16	Total
Total PFP-controlled government vehicles	97		97
PFP-Controlled government vehicles surveyed	84	0	84
Decontaminated and returned to service	2	0	2
Contaminated and awaiting disposition (decontamination or radon decay)	14	0	14
No contamination found and returned to service	68	0	68
PFP-controlled government vehicles at PFP remaining to be surveyed	13	(0)	13
Large industrial vehicles	2	(0)	2
Passenger vehicles	11	(0)	11

- **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.
- Changing radiological postings to support the placement of soil on the PRF stub walls and soil around the PRF rubble pile.

Workforce Management

- The workforce remains committed to the current mission of hazard recognition and control, despite the challenging situation.
- CHPRC distributed an all-employee message Jan. 17 (*Attachment 1*) regarding the Jan. 17 office moves.

Communications

- Updated event timeline to include final contamination survey results, following analysis and decay; also reviewed for formatting and consistency. (*Attachment 2*)