# Plutonium Finishing Plant Update

## For the Week Ending December 2, 2018

**Summary:** The PFP team safely shipped 35 cans of demolition debris (on the ground since the December 2017 contamination spread) to the Environmental Restoration Disposal Facility (ERDF). Preparation for higher-risk work is ongoing.

## Accomplishments: (Week of Nov. 19)

- Continued size-reducing waste on the northeast and southeast corners of the Main Processing Facility (234-5Z)
- Shipped 35 cans of demolition debris to ERDF
- Resolved Hazard Review Board comments on the work package for the higher-risk work of demolishing the more-contaminated portions of 234-5Z

## Safety Issues or Concerns:

- None

## Radiological Issues or Concerns:

- None

## Contamination Discovered Outside the Radiological Buffer Area (RBA):

<table>
<thead>
<tr>
<th>Bioassays Requested:</th>
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<tbody>
<tr>
<td>None</td>
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## Upcoming Work:

- Continue load out and size reduction of lower-risk demolition debris that is already on the ground on the north side of 234-5Z
- Perform large-scale housekeeping evolution, pulling in remaining material around PFP for disposal
- Continue shipping waste cans to ERDF
- Closing work package for higher-risk work of demolishing the more-contaminated portions of 234-5Z

## Employee Interface:

**Summary:**
- On Dec. 3, 40 new D&D workers will begin new hire orientation. These D&D workers will replace more experienced D&D workers who transferred to Washington River Protection Solutions as nuclear chemical operators. The new workers will focus on classroom and practical training over the holidays with field training in early February.
- PFP management will hold an all-employee meeting on Dec. 6 to welcome the new D&D workers and to provide an update on project status.
- PFP management continues holding regular (bi-weekly) roundtables with employees.

Aerial photos from August 2018 (left) and November 2018 (right) show the size reduction of the debris pile (yellow circles) on the northeast corner of the Main Processing Facility (the photos are looking south).
PFP HAZARD REDUCTION PROGRESS

MAR and Waste Reduction During Demo

- 234-S2 Rubble: Represents <1% total remaining MAR
  - 217m³ of 875m³
  - 1 gram of 5 grams

- 234-S2 Building (Excluding Processing Lines): Represents <1% total remaining MAR
  - 0m³ of 1072m³
  - 0 grams of 5 grams

- 234-S2 Processing Lines: Represents 2% total remaining MAR
  - 0m³ of 323m³
  - 0 grams of 64 grams

- PFR Rubble: Represents 7% total remaining MAR
  - 0m³ of 589m³
  - 0 grams of 238 grams

Overall % MAR shipped
(3,059 grams total)
- 90% Total MAR shipped (312 grams total)
- 8% Total volume shipped (2,859 m³ total)

Loaded Low Level Waste

- LLW Drums
- LLW RORO’s
- LLW Boxes

- 58%
- 72 of 103 containers shipped

Loaded Universal/Hazardous Waste

- Recycle Drums
- Recycle Boxes
- Hazardous Waste Drums

- 59%
- 25 of 42 containers shipped

TRU Waste Disposition During Stabilization

- TRU LL/SR
  - 12 shipped of 12
  - 18 shipped of 18

- TRU 540
  - 20 shipped of 20

- TRU SWB
  - 4 shipped of 4

- TRU Drum
  - 30 shipped of 34

Current waste shipped as of December 3, 2018

MAR = Material at Risk (Plutonium)
234-S2 = Main Processing Facility
LLW RORO’s = Low-Level Waste Roll-On Roll-Off Containers
PFR = Plutonium Reclamation Facility
SL82 = Standard Large Box 2
TRU = Transuranic (Waste)
SWB = Standard Waste Box