# Plutonium Finishing Plant Update

**For the Week Ending January 13, 2019**

## Summary:
The PFP team focused on housekeeping and routine equipment maintenance upon returning from the low-tempo holiday weeks. Mentoring preparation for new team of D&D workers is the primary focus for the next two weeks.

## Accomplishments: (Week of Jan. 7)
- Performed routine equipment maintenance
- Performed water management activities and housekeeping, including tumbleweed removal
- Safely removed another section of roofing that came loose after wind event
- Moved ion exchange exhauster units to the north side of 234-5Z for maintenance and HEPA filter replacement
- Set up mock-up areas for mentoring sessions starting next week

## Safety Issues or Concerns:
- None

## Radiological Issues or Concerns:
- None

## Contamination Discovered Outside the Radiological Buffer Area (RBA):
On Jan. 8, crews performing routine surveys on a waste container loaded on a truck for shipment to the Environmental Restoration Disposal Facility (ERDF) detected low levels of contamination (403dpm/100cm2). Following procedures, crews controlled the area, decontaminated the container’s door seal where the contamination was found, verified it free of contamination and shipped it to ERDF. The truck was just outside the radiological buffer area, yet still under the control of PFP where items are surveyed prior to being shipped. Surveys of other ERDF containers at PFP did not detect contamination on the seals, and future surveys of loaded and empty ERDF containers will focus on the seal areas, in addition to other areas of the container.

## Bioassays Requested:
- None

## Upcoming Work:
- Continue preparations to resume load out of lower-risk demolition debris already on the ground on the north side of 234-5Z
- Start new PFP workers on-the-job training and mentoring

## Employee Interface:

## Summary:
- PFP management continues holding regular (bi-weekly) roundtables with employees.
PFP HAZARD REDUCTION PROGRESS

MAR and Waste Reduction During Demo

- 360m³ of 875m³
- 234-S2 Rubble
  - Represents <1% total remaining MAR
  - 234-S2 Building (Excluding Processing Lines)
  - Represents <1% total remaining MAR

- 0m³ of 1072m³
  - 8 years of 12 years

- 589m³ of 1189m³
  - 5 years of 12 years
  - 4 years of 24 years

- 360m³ of 875m³
  - 234-S2 Rubble
  - Represents <1% total remaining MAR

72% of 103 containers shipped

74 of 103 containers shipped

26 of 42 containers shipped

62% of 103 containers shipped

Loaded Universal/Hazardous Waste

- 234-S2 Processing Lines
  - Represents 2% total remaining MAR

- 0m³ of 323m³
  - 3 years of 8 years

- 0m³ of 589m³
  - 5 years of 24 years

TRU Waste Disposition During Stabilization

- 18 shipped of 18
- 12 shipped of 12
- 20 shipped of 20
- 6 shipped of 4
- 30 shipped of 34

Overall % MAR shipped (6,075 grams total)

- 90% of 234-S2 Rubble
- 12% of 234-S2 Building (Excluding Processing Lines)

MAR = Material at Risk (Plutonium)
234-S2 = Main Processing Facility
LLW RO/RDS = Low-Level Waste Roll-On Roll-Off Containers
SLB2 = Standard Large Box 2
TRU = Transuranic (Waste)
SWB = Standard Waste Box

Current waste shipped as of January 13, 2019.