

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):

None

Bioassays Requested:

None

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 234-5Z2

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.

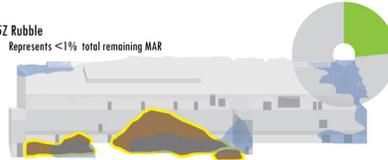


Aerial photos from August 2018 (left) and November 2018 (right) show the size reduction of the debris pile (yellow circles) on the northeast corner of the Main Processing Facility (the photos are looking south).

PFP HAZARD REDUCTION PROGRESS

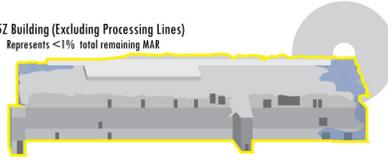
MAR and Waste Reduction During Demo

234-SZ Rubble
Represents <1% total remaining MAR



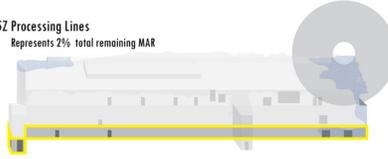
217m³ of 875m³
1 grams of 5 grams

234-SZ Building (Excluding Processing Lines)
Represents <1% total remaining MAR



0m³ of 1072m³
0 grams of 5 grams

234-SZ Processing Lines
Represents 2% total remaining MAR



0m³ of 323m³
0 grams of 64 grams

PRF Rubble
Represents 7% total remaining MAR



0m³ of 589m³
0 grams of 238 grams

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

Overall % MAR shipped
(3,059 grams total)

Loaded Low Level Waste

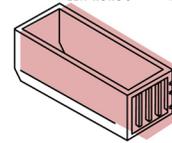
58%

72 of 103 containers shipped

LLW Drums



LLW RORO's



LLW Boxes



Loaded Universal/Hazardous Waste

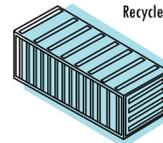
59%

25 of 42 containers shipped

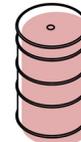
Recycle Drums



Recycle Boxes



Hazardous Waste Drums



TRU Waste Dispositioning During Stabilization

TRU TL1800
Represents 24% total remaining MAR



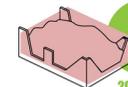
18 Shipped of 18

TRU SLB2
Represents 4% total remaining MAR



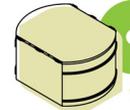
12 Shipped of 12

TRU Super SAC
Represents 60% total remaining MAR



20 Shipped of 20

TRU SWB
Represents 2% total remaining MAR



4 Shipped of 4

TRU Drum
Represents <1% total remaining MAR



30 Shipped of 34

MAR=Material at Risk (Plutonium)
234-SZ=Main Processing Facility

PRF=Plutonium Reclamation Facility
LLW RORO's=Low-Level Waste Roll-On Roll-Off Containers

TRU=Transuranic (Waste)
SLB2=Standard Large Box 2

SWB=Standard Waste Box