

Plutonium Finishing Plant Update

For the Week Ending October 28, 2018

Summary: No safety or radiological incidents occurred while crews size reduced demolition debris, modified waste load out areas and prepared for higher-risk work.

Accomplishments: (Week of Oct. 22)

- Continued size reducing waste on the northeast corner of the Main Processing Facility (234-5Z) and shipping waste containers to the Environmental Restoration Disposal Facility
- Elevated the waste load out area in preparation to install steel plates to improve stability of the waste cans placed for loading in the waste load out area
- Completed setting up a mock-up for practicing the higher-risk work of loading out the Plutonium Reclamation Facility rubble

Safety Issues or Concerns:

- None

Radiological Issues or Concerns:

- None

Contamination Discovered Outside the Radiological Buffer Area (RBA):

None

Bioassays Requested:

None

Upcoming Work:

- Review of work package and refining safety controls for higher-risk work of PRF rubble removal
- Load out and size reduction of lower-risk demolition debris that is already on the ground

Employee Interface:

Summary:

- PFP management continues holding regular (bi-weekly) roundtables with employees.

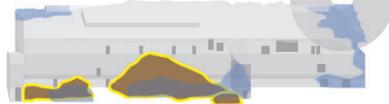


Oct. 24, 2018 photo of size reduction of demolition debris near the northeast corner of the Main Processing Facility (234-5Z)

PFP HAZARD REDUCTION PROGRESS

MAR and Waste Reduction During Demo

234-SZ Rubble
Represents <1% total remaining MAR



98m³ of 875m³
0 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

100% Total MAR shipped
(312 grams total)

100% Total volume shipped
(2,859 m³ total)

3%

90%

Overall %
MAR shipped
(3,059 grams total)

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

PRF=Plutonium Reclamation Facility
LLW ROROs=Low-Level Waste Roll-On Roll-Off Containers

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

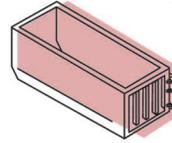
Loaded Low Level Waste

51%
54 of 103
containers shipped

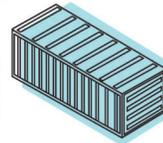
LLW Drums



LLW ROROs



LLW Boxes



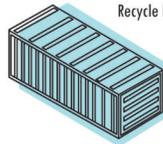
Loaded Universal/Hazardous Waste

59%
25 of 42
containers shipped

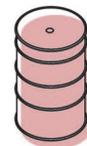
Recycle Drums



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