

Plutonium Finishing Plant Update

For the Week Ending November 4, 2018

Summary: Crews continued size reducing and loading out demolition debris. Preparation for higher-risk work is ongoing.

Accomplishments: (Week of Oct. 29)

- Conducted Hazard Review Board (HRB) of work package for the higher-hazard work of demolishing the two former processing lines inside the Main Processing Facility (234-5Z); planners are now resolving minor comments generated during the HRB
- Continued size-reducing waste on the northeast corner of the Main Processing Facility (234-5Z)
- Preparing to add steel plates to the elevated waste load out area to improve stability of the waste cans placed for loading in the waste load out area
- Shipped one drum of low-level waste packaged prior to December 2017

Safety Issues or Concerns:

- Due to continued failures of newly purchased lapel air samplers, workers called a stop work on Oct. 31 on the use of the samplers until the batteries were replaced. Working with the manufacturer, the batteries appear to be defective. The batteries were replaced by Nov. 1, lifting the stop work.

Radiological Issues or Concerns:

- None

Contamination Discovered Outside the Radiological Buffer Area (RBA):

None

Bioassays Requested:

None

Upcoming Work:

- 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.

PPF HAZARD REDUCTION PROGRESS

MAR and Waste Reduction During Demo

234-5Z Rubble
Represents <1% total remaining MAR

98m³ of 875m³
0 grams of 5 grams

234-5Z Building (Excluding Processing Lines)
Represents <1% total remaining MAR

0m³ of 1072m³
0 grams of 5 grams

234-5Z 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)

3% Total volume shipped
(2,859 m³ total)

Overall %
MAR shipped
(3,059 grams total)

MAR=Material at Risk (Plutonium)

234-5Z=Main Processing Facility

PRF=Plutonium Reclamation Facility

LLW RORO=Low-Level Waste Roll-On Roll-Off Containers

TRU=Transuranic (Waste)

SLB2=Standard Large Box 2

Loaded Low Level Waste

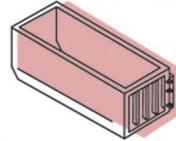
53%

55 of 103
containers
shipped

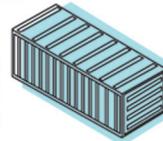
LLW Drums



LLW RORO's



LLW Boxes



Loaded Universal/Hazardous Waste

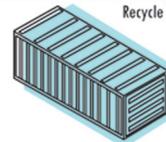
59%

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