

## Plutonium Finishing Plant Update

For the Week Ending November 18, 2018

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

### Accomplishments: (Week of Nov. 12)

- Continued size-reducing waste on the northeast and southeast corners of the Main Processing Facility (234-5Z)
- Began the on-boarding process for **43** new D&D workers, 25 of which are confirmed.
- Finalizing comment resolution from the hazard review board (HRB) on the work package for the demolition of the higher-risk portions of the Main Processing Facility
- Implemented additional controls to require the open end of the hose to be restrained/secured by approved mechanical means to keep the hose from moving, prevent future and sudden hose movements during blow down activities for winterization. ([See Nov. 11 report](#))

### Safety Issues or Concerns:

- On Nov. 9, a PFP worker issued a stop work (except for minimum safe activities) on the use of lapel air samplers due to repeated issues with the samplers' batteries. Working with the manufacturer, PFP management was able to replace the base plates on the samplers (where the batteries attach), which appears to be the cause mode for failure. The stop work was lifted with this action but evaluation of alternatives continues.
- On Nov. 15, a teamster issued a stop work associated with seatbelts interfering with respirators (called Powered-Air Purifying Respirators, or PAPRs) and lapel samplers worn by operators in heavy vehicles, causing concern for the teamster's ability to safely operate the vehicles. The immediate actions were to change the type of respiratory protection worn with seatbelts to only tight fitting face pieces in water trucks and shuttle trucks to allow for reduction of interferences as teamsters operate those vehicles. Other options are being evaluated.

### 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:

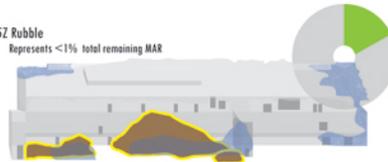
#### Summary:

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

# PFP HAZARD REDUCTION PROGRESS

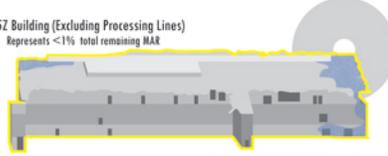
## MAR and Waste Reduction During Demo

234-SZ Rubble  
Represents <1% total remaining MAR



141 m<sup>3</sup> of 875m<sup>3</sup>  
1 grams of 5 grams

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



0m<sup>3</sup> of 1072m<sup>3</sup>  
0 grams of 5 grams

234-SZ Processing Lines  
Represents 2% total remaining MAR



0m<sup>3</sup> of 323m<sup>3</sup>  
0 grams of 64 grams

PRF Rubble  
Represents 7% total remaining MAR



0m<sup>3</sup> of 589m<sup>3</sup>  
0 grams of 238 grams

90%  
% Total MAR shipped (312 grams total)  
5%  
% Total volume shipped (2,859 m<sup>3</sup> total)

Overall %  
MAR shipped  
(3,059 grams total)

## Loaded Low Level Waste

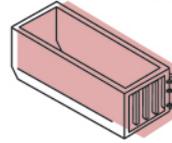


60 of 103  
containers shipped

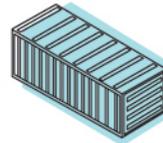
LLW Drums



LLW RORO's



LLW Boxes



## Loaded Universal/Hazardous Waste

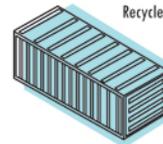


25 of 42  
containers shipped

Recycle Drums



Recycle Boxes



Hazardous Waste Drums



## TRU Waste Dispositioning During Stabilization

TRU TL1800  
Represents 24% total remaining MAR



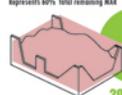
18 Shipped  
of 18

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