

## Plutonium Finishing Plant Update

For the Week Ending January 6, 2019

**Summary:** The PFP team spent the low-tempo holiday weeks focused on performing housekeeping, routine radiological surveys and preparing for resumption of debris load out.

### Accomplishments: (Weeks of Dec. 24 & Dec. 31)

- Performed housekeeping on the east side of the demolition area
- Completed radiological surveys following Dec. 29 wind event; no findings
- Safely removed section of roofing that came loose after wind event
- Loaded 10 cans of debris

### Safety Issues or Concerns:

- None

### Radiological Issues or Concerns:

- None

### Contamination Discovered Outside the Radiological Buffer Area (RBA):

None

### Bioassays Requested:

None

### Upcoming Work:

- After a methodical start to refocus crews, workers will prepare to resume load out of lower-risk demolition debris that is already on the ground on the north side of 234-5Z
- Continue water management activities and housekeeping, including tumbleweed removal
- Perform routine maintenance on shears

### Employee Interface:

#### Summary:

- As part of the ongoing commitment to proactive communication, PFP management provided project employees and employees of other Hanford contractors advance notice of visible work about removal of the loose roofing material.
- PFP management continues holding regular (bi-weekly) roundtables with employees.



On Jan. 2, crews safely removed a section of roofing that had come loose during a Dec. 29 wind event.

# PFP HAZARD REDUCTION PROGRESS

## MAR and Waste Reduction During Demo

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



**300m<sup>3</sup> of 875m<sup>3</sup>**  
2 grams of 5 grams

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



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

234-5Z 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

% Total MAR shipped  
(312 grams total)

% Total volume shipped  
(2,859 m<sup>3</sup> total)

90%

10%

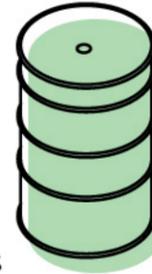
**Overall %  
MAR shipped**  
(3,059 grams total)

## Loaded Low Level Waste

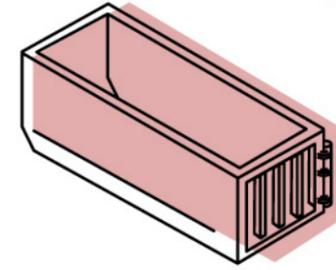
58%

**72 of 103  
containers  
shipped**

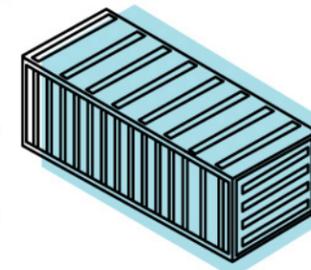
LLW Drums



LLW RORO's



LLW Boxes

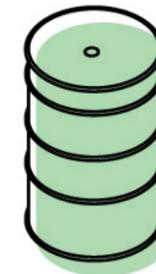


## Loaded Universal/Hazardous Waste

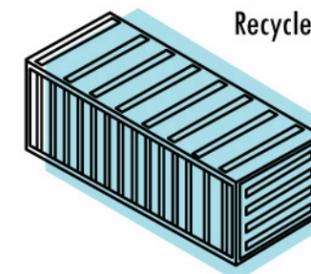
59%

**25 of 42  
containers  
shipped**

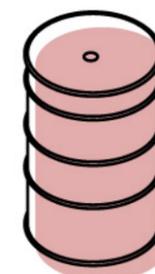
Recycle Drums



Recycle Boxes



Hazardous Waste Drums



## TRU Waste Dispositioning During Stabilization

TRU TL1800  
Represents 24% total remaining MAR



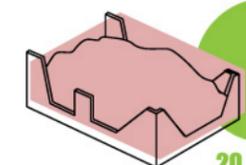
18 Shipped  
of 18

TRU SLB2  
Represents 4% total remaining MAR



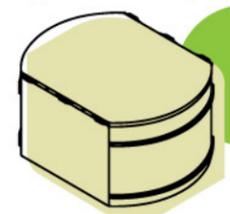
12 Shipped  
of 12

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)  
234-5Z=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

Current waste shipped as of December 17, 2018