

Hanford Site – Plateau Remediation Project Update – March 2017



Demolition at the Plutonium Finishing Plant.

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*“Reducing and Mitigating
Risks at the Hanford Site”*



CHPRC-03209

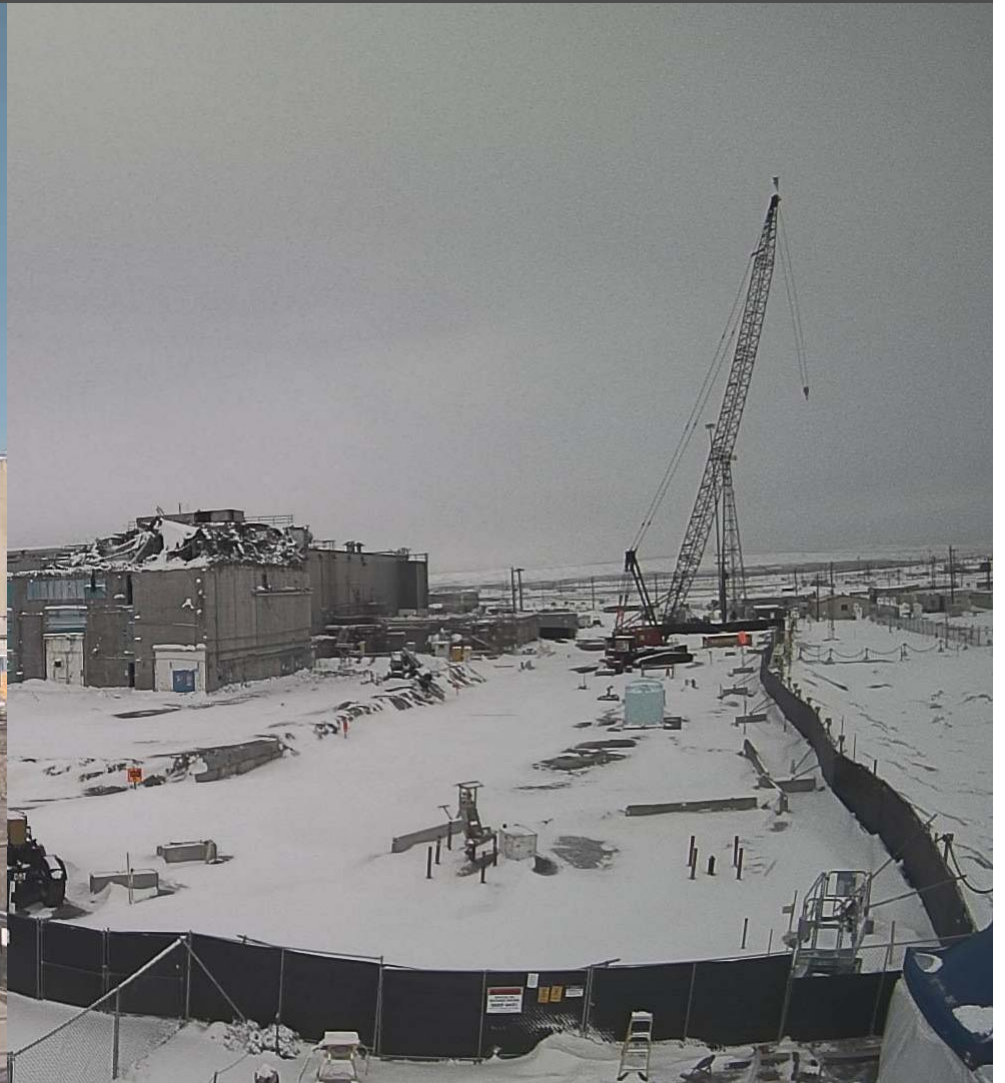


Hanford Site – Plateau Remediation Projects

- Plutonium Finishing Plant (PFP) Demolition
- Sludge Treatment Project (STP)
- Capsule Management
- Legacy and Transuranic (TRU) Waste



October 2016



January 2017

Demolition Time Lapse November 1 – December 31

[YouTube Link: https://www.youtube.com/watch?v=8QtQ6hWDHZQ](https://www.youtube.com/watch?v=8QtQ6hWDHZQ)

CHPRC-03209

PFP Closure Project – Expected Waste from Demolition

Both TRU and LLW will be generated.

- 50 large boxes of TRU that will require size reduction/repackaging into Waste Isolation Pilot Plant certifiable containers
- More than 400 55-gallon drums and standard waste boxes of TRU/M
- More than 17,000 tons of building debris to onsite Low Level Waste (LLW) disposal facility



Glove box load out.



Demolition waste load out.

Sludge Treatment Project

- Remove and transfer 27m³ of highly radioactive sludge stored in basins near Columbia River to Central Plateau for storage
- Package sludge for transportation and storage
- Prepare T Plant to accept sludge



Platform being lifted in tunnel for cell placement in T Plant.



Delivery of first production sludge transport and storage container.

Capsule Management

- **Cs/Sr Capsule Extended Storage:**

- Design/Fabrication contract issued November 2016
- CD-1 submittal on schedule for September 2017

- **WESF Facility Upgrades:**

- Ventilation upgrade - complete
- Underground ductwork grouting - complete
- Hot Cell grouting – 80 percent complete



Cask Storage System.



Crew in WESF canyon reinforcing temporary ventilation header.

Legacy and TRU Waste

- Limited repack of large boxes for FY17 & FY18 to meet Tri Party Agreement Milestones
- Procure additional large box shipping capabilities
- Complete alternatives analysis for M-091 capabilities



Packaging waste box for shipment.