



# ***Plutonium Finishing Plant Closure Project***

Overview and Project Status

October 2016



## **Plutonium Finishing Plant (PFP) Current Status**



- Final internal hazard reduction
- Demolition zone preparations
- Demolition preparations

**We don't proceed until we are certain we can do it safely**

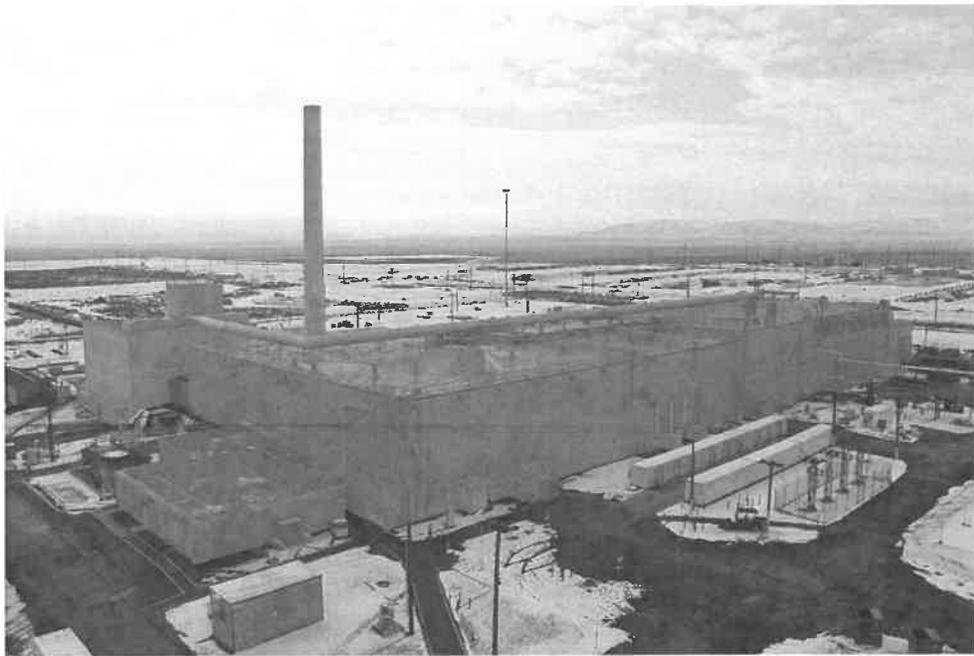
# PFP: The Lay of the Land

236-Z  
Plutonium  
Reclamation  
Facility (PRF)

242-Z  
McCluskey  
Room

234-5Z  
Plutonium  
Finishing Plant  
(PFP)

291-Z  
Fan House,  
Stack



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# Status: 236-Z (Plutonium Reclamation Facility)

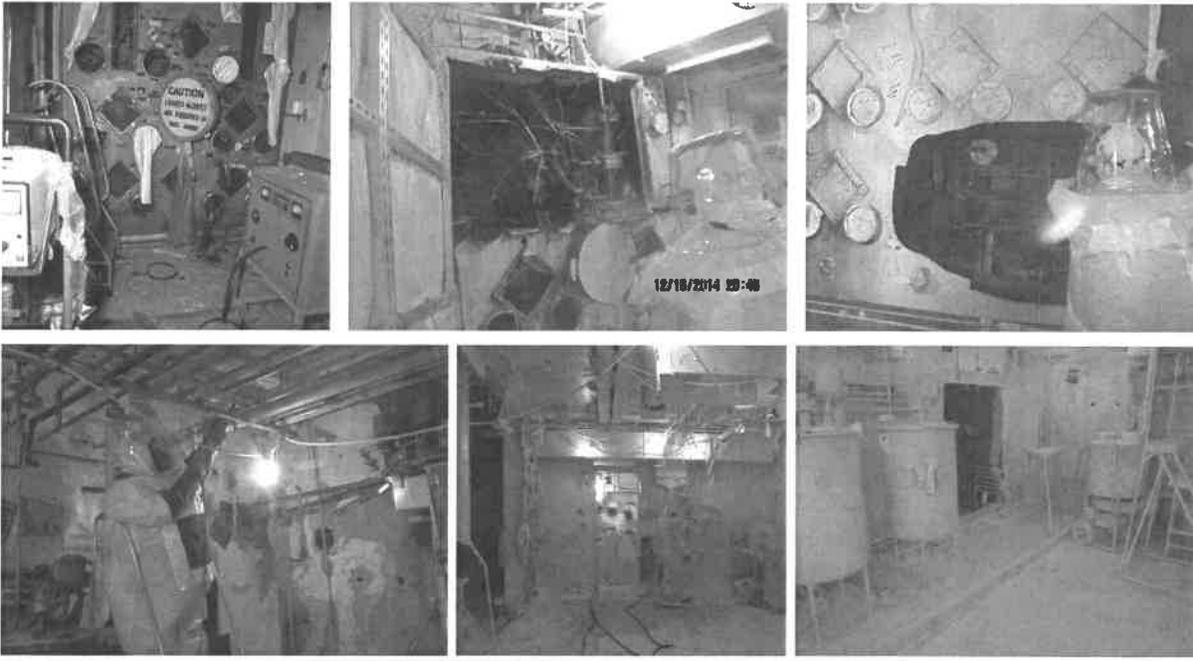


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## Status: 242-Z (McCluskey Room)



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## Status: Ongoing Work Prior to Demolition



Process Vacuum Piping



Filter Boxes



Ventilation Duct



Asbestos



Ancillary Building Demolition and Site Prep



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# Keeping Employees and Environment Safe

- Real time radiological monitoring
- Airborne hazard control through fixatives, fogging and deluge sprays
- Fixatives and ground maintenance to avoid contamination spread
- Expeditious packaging and load out of contaminated debris
- Water runoff management
- Demolition won't start until building conditions comply with the air dispersion model
  - Estimates of contamination and emission levels for various potential demolition activities



Precision fogger at PFP



# Site Map



Outer Fence/Laydown Area  
Radiological Buffer Area

HCA/ARA  
Contamination Area

## Extended Air Monitoring Near PFP



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## Environmental Air Sampling Locations Near PFP

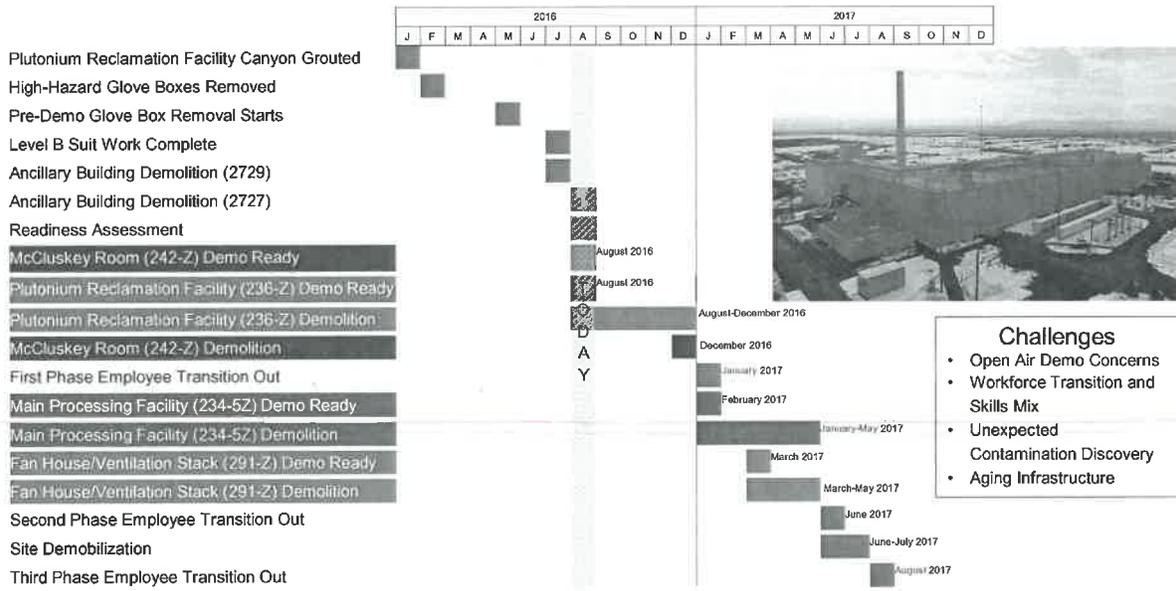


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# The Schedule



**Challenges**

- Open Air Demo Concerns
- Workforce Transition and Skills Mix
- Unexpected Contamination Discovery
- Aging Infrastructure