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

Status: 236-Z (Plutonium Reclamation Facility)
Status: 242-Z (McCluskey Room)

Status: Ongoing Work Prior to Demolition

- Process Vacuum Piping
- Filter Boxes
- Ventilation Duct
- Asbestos
- Ancillary Building Demolition and Site Prep
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

Site Map

- Outer Fence/Laydown Area
- Radiological Buffer Area
- HCA/ARA
- Contamination Area
Extended Air Monitoring Near PFP

Environmental Air Sampling Locations Near PFP
The Schedule

Plutonium Reclamation Facility Canyon Grouted
High-Hazard Glove Boxes Removed
Pre-Demo Glove Box Removal Starts
Level B Suit Work Complete
Auxiliary Building Demolition (2726)
Auxiliary Building Demolition (2727)
Readiness Assessment
McCluskey Room (242-2) Demo Ready
Plutonium Reclamation Facility (234-2) Demo Ready
Plutonium Reclamation Facility (235-2) Demolition
McCluskey Room (242-2) Demolition
First Phase Employee Transition Out
Main Processing Facility (234-52) Demo Ready
Main Processing Facility (234-52) Demolition
Fan House/Ventilation Stack (213-2) Demo Ready
Fan House/Ventilation Stack (213-2) Demolition
Second Phase Employee Transition Out
Site Demobilization
Third Phase Employee Transition Out

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