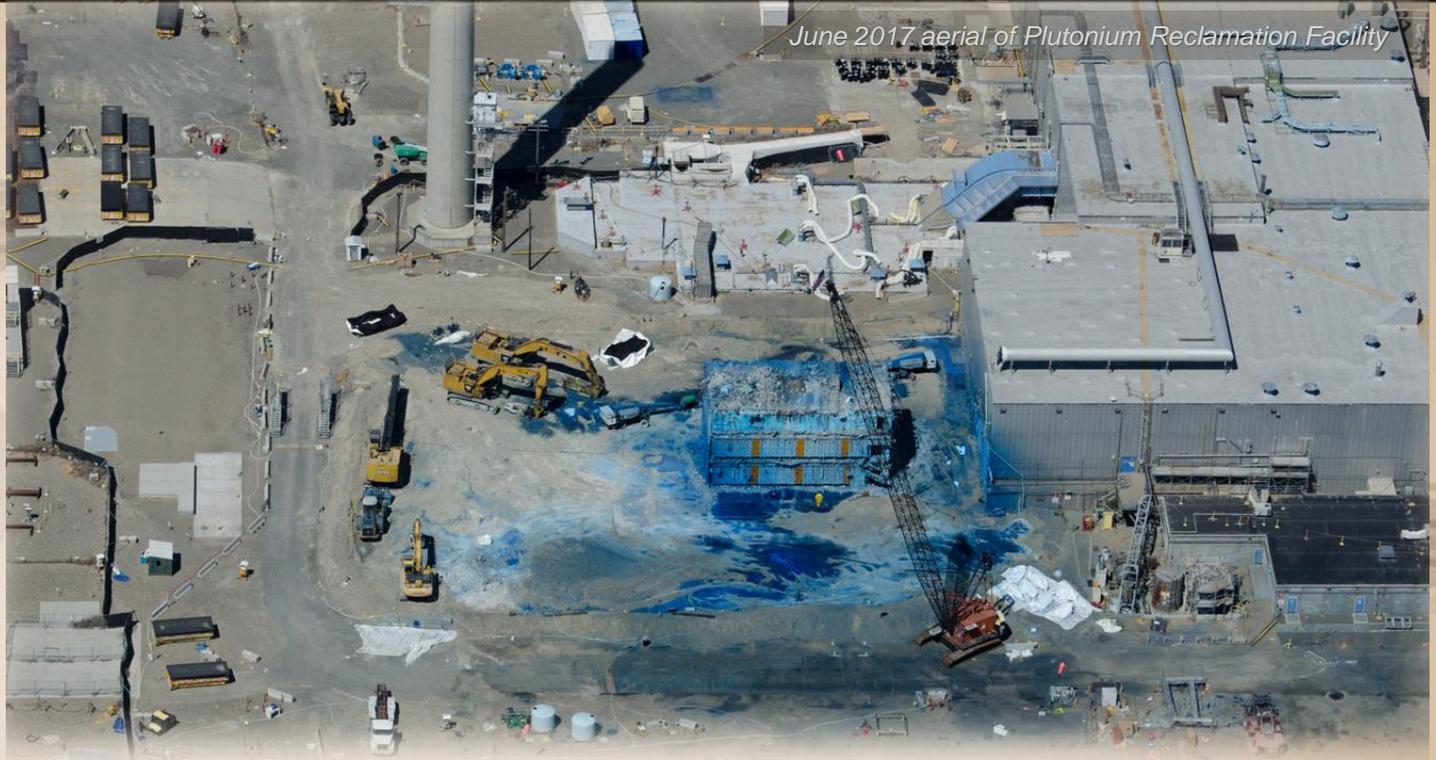


June 2017 aerial of Plutonium Reclamation Facility



Plutonium Finishing Plant Closure Project Update

RICHLAND
OPERATIONS OFFICE
United States Department of Energy

Tom Teynor, DOE-RL
Federal Project Director

August 2017



Plutonium Finishing Plant (PFP) Project Status Update

- Demolition Progress
 - Americium Recovery Facility (McCluskey Room)..... **Complete**
 - 291-Z Ventilation Stack **Complete**
 - Fan House (291-Z) **95% Complete**
 - Plutonium Reclamation Facility (236-Z) **44% Complete**
 - Main Processing Facility (234-5Z) **2% Complete**
 - TPA Milestone M-083-00A **September 30, 2017**
- Final Pre-Demolition Hazard Reduction Work (234-5Z)

291-Z Fan House and Ventilation Stack Demolition





234-5Z Main Processing Facility Demolition Preparation



Glovebox (GB) Pathway Preparation



GB HC-7C Removal



GB HC-227T Removal



HEPA Filter Box Removal



HEPA Filter Box Packaging



234-5Z Main Processing Facility Demolition Preparation



*E4 Exhaust Duct and 26" Vacuum Line
Packaging and Loadout*



E4 Duct Stub Removal



E4 Duct Stub



Asbestos Removal



Tunnel Drain Line Epoxy Fill & High Visibility Paint

Plutonium Reclamation Facility (PRF-236-Z)



PRF June 12, 2017



June 8th Continuous Air Monitor (CAM) Alarm Response During 236-Z Gallery Glovebox Removal

- Area placed in safe configuration
- PFP employees instructed to take cover
 - Go inside and turn off ventilation
- Re-entry team evaluates CAM
- Site surveyed
 - Fixative applied to any contamination found
 - Egress path established for employees

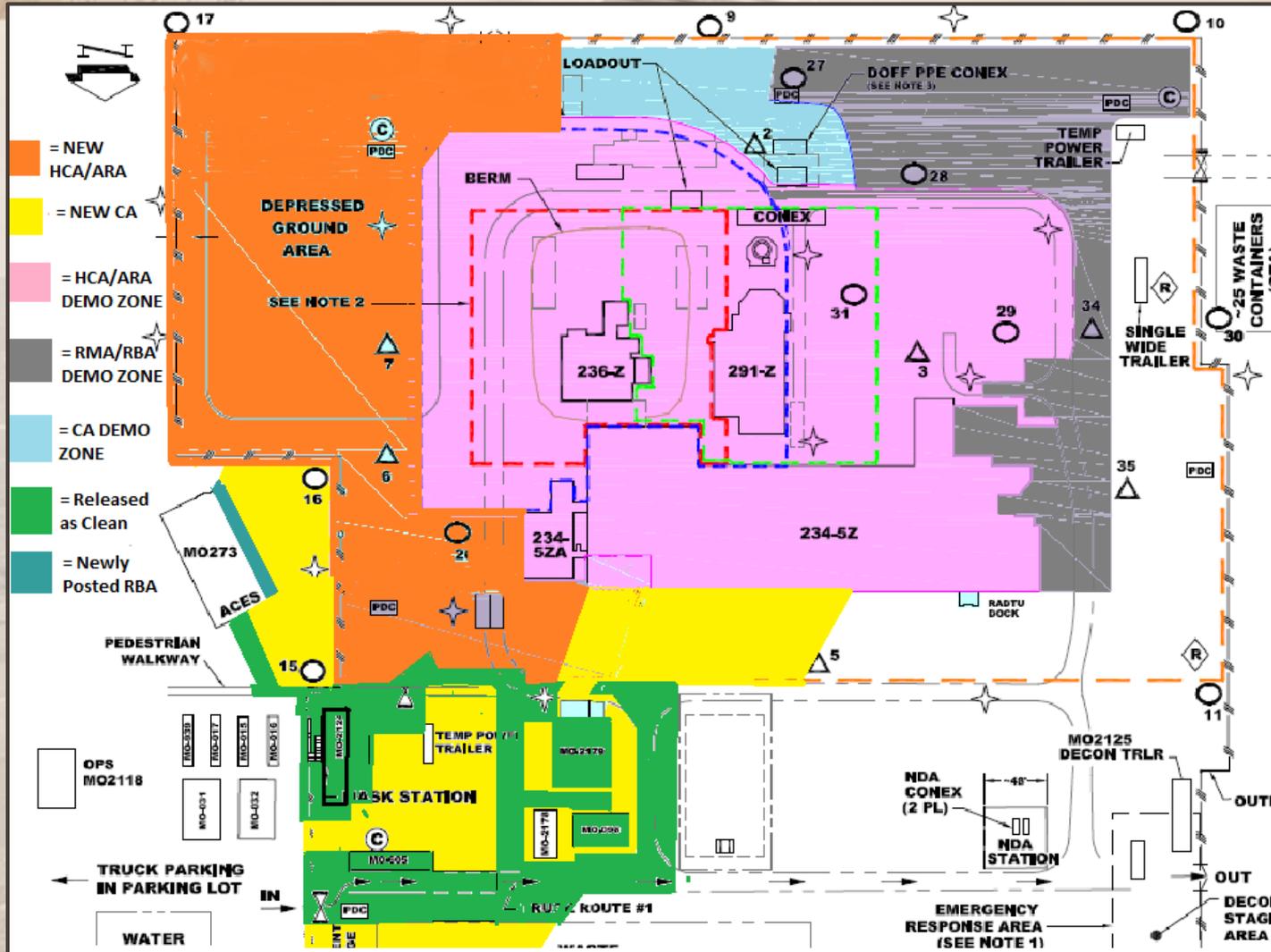
Perspective:
CAMs set conservatively at 8 dac/hr
(~6 mrem)
Typical chest x-ray: ~10 mrem



CAM sounded during June 8th gallery glove box removal

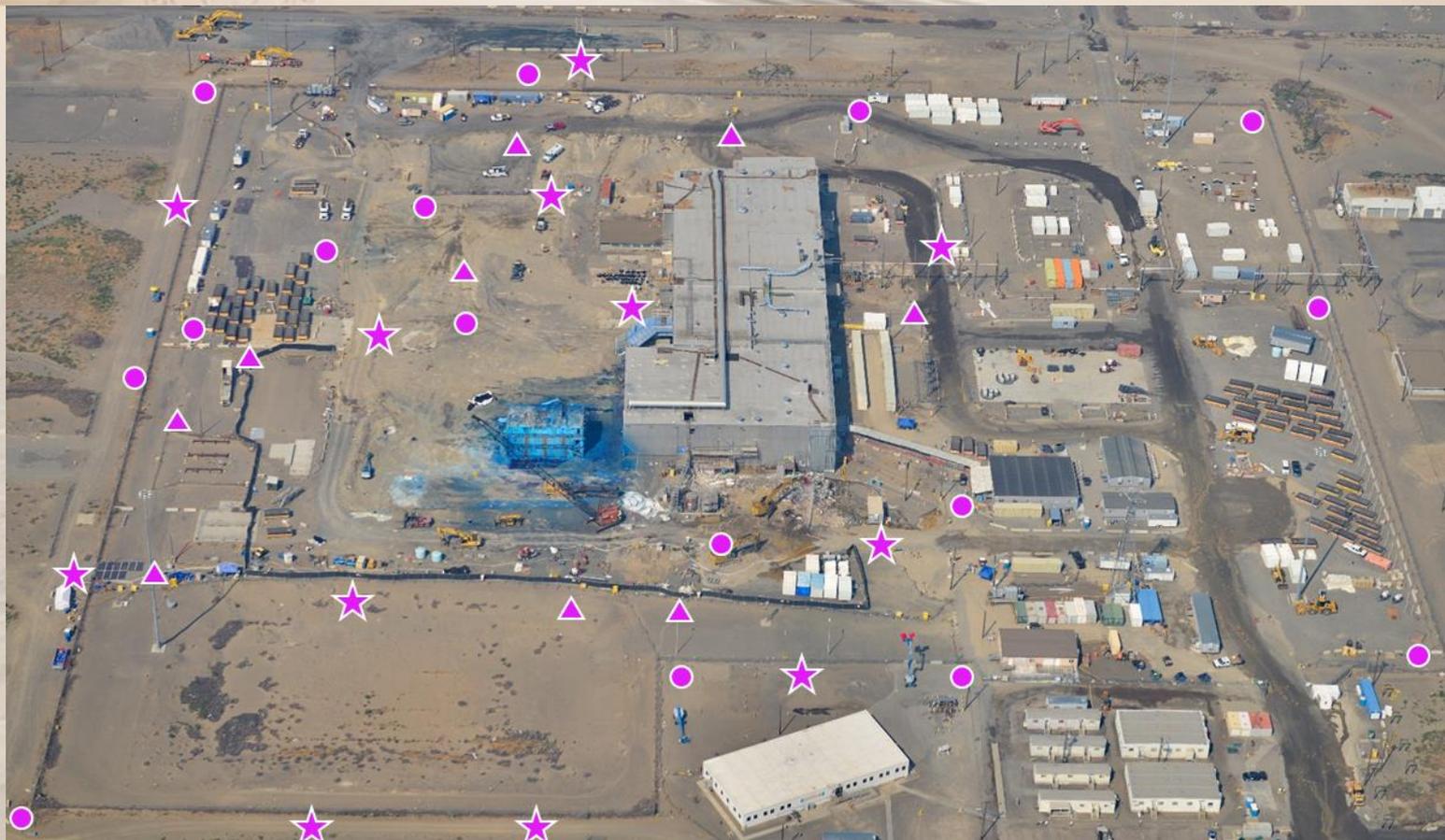


June 19, 2017 Site Survey Map





Site Map-Radiological Monitoring Stations



Legend:

- ▲ = Continous Air Monitor (CAM) + Cookie Sheet
- = Fixed Air Sampler (FAS) + Cookie Sheet
- ★ = Cookie Sheet

Corrective Actions Following Alarm



- Re-sequence building demolition
- Revise demolition work package to ensure water cannons are in the “mist” and not “full stream” mode
- Place temporary HEPA filtered ventilation exhausters units on the PRF canyon to draw a negative pressure on the remaining gallery glove boxes and canyon



234-5Z Zone-by-Zone Demolition

