Fluor Hanford
Deactivation and Decommissioning Project

Spring 2008

The Challenge

• Responsible for central Hanford – “Central Plateau” – except for waste tanks
• Approximately 75 square miles: 5 large radiochemical separation plants, 4 additional nuclear facilities, nearly 900 other facilities
• Demolishing K East Basin in 100-K Area

Accomplishments

Began D&D of K East Basin, Autumn 2007
• Grouted floor, removed approximately one-million gallons of contaminated water, filled with 5,100 cubic yards filler material

Completed replacing major exhaust fans at REDOX Facility and U-Plant, Spring 2008
• Replaced original equipment that was 55-65 years old

Completed removing waste and downgrading 212-N Building, October 2007
• Waste now located in safe, compliant storage

Overview

• Completed first comprehensive Central Plateau Closure Plan in 2004: 26 closure zones with 4,000 facilities and waste sites to be addressed for cleanup
• Achieved award-winning, first Record of Decision to dispose a Hanford “canyon” (chemical separation plant) in 2005
• Engineering detailed plans for canyon disposition
• Demolishing and cleaning out multiple buildings
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- Sampled contents of Tank U-361, September 2007
  - Sample report completed March 2008

- Replaced air-sampling probe in the PUREX stack, September 2007
  - Work was done safely at a location 60 feet up the 200-foot stack

- Completed demolishing the highly contaminated 241-Z Facility, 2007
  - Cleaned out 5 highly contaminated tanks and vaults under the building before demolition

- First to demolish plutonium-contaminated building using “open-air” techniques, 2003-2004
  - 233-S Plutonium Concentration Building demolished, 2003-04

- Demolished 232-Z Plutonium Incinerator at PFP, 2006
  - Parts of building were more contaminated than any other building demolished in DOE Complex

What’s Next

- Excavate initial portions of BC Control Area and BC test trench, Summer 2008
- Develop characterization plans for 200-UW-1 waste sites, Summer 2008
- Prepare options study for disposition of contaminated rail cars, September 2008

Our Goal Is Zero Accidents!