Hanford Advisory Board

Agency Update

Doug Shoop, Deputy Manager

DOE Richland Operations Office

December, 2008
Safe and Effective Cleanup that Protects the Columbia River

- Reduces the Active Site Footprint of Cleanup to 75 Square Miles (586 to 75)
- Significantly Reduces Long-Term Mortgage Costs
- At Completion, Shifts Emphasis and Resources to Full Scale Cleanup of the Central Plateau (75 square miles)
- Reduces Costs by “Right Sizing” Hanford’s Infrastructure via a Mission Support Contract
- Minimizes Injury to Natural Resources

**Richland Operations Office**

**B & C Area**
- Interim Safe Storage of C Reactor Complete
- B Reactor Designated as a Museum or Interim Safe Storage Complete
- All B & C Area Final ROD Remedial Actions Complete and TSD Units Closed
- All B & C Area Groundwater Remedies Implemented
- 6 Facilities Demolished
- 40 Waste Sites Remediated
- ~351,000 Tons of Soil Removed

**K Area**
- K East Basin Demolished
- Interim Safe Storage of K East Reactor Complete
- K West Sludge Removed from the River Corridor
- Interim Safe Storage of K West Reactor Initiated
- All K Area Final ROD Remedial Actions Complete and TSD Units Closed except for those associated with K West
- All K Area Groundwater Remedies Implemented
- 2300 Tons of Scrap Nuclear Fuel Removed
- 109 Facilities Demolished
- 2 Waste Sites Remediated
- ~361,000 Tons of Soil Removed

**D & H Area**
- Interim Safe Storage of D, DR, and H Reactors Complete
- All D & H Area Final ROD Remedial Actions Complete
- All D & H Area Groundwater Remedies Implemented
- 16 Facilities Demolished
- 56 Waste Sites Remediated
- ~1,700,000 Tons of Soil Removed

**IU2 & IU6 Area**
- Interim Safe Storage of F Reactor Complete
- All IU2 & IU6 Area Final ROD Remedial Actions Complete
- All IU2 & IU6 Area Groundwater Remedies Implemented
- 1 Facility Demolished
- 50 Waste Sites Remediated
- ~962,000 tons of Soil Removed

**Central Plateau Cleanup**
- All 200 West Carbon Tetrachloride, Uranium and Technetium 99 Groundwater Remedies Implemented
- Conduct Additional Cleanup as Funds Become Available

**300 Area**
- All 300 Area Final ROD Remedial Actions Complete and TSD Units Closed
- All 300 Area Groundwater Remedies Implemented
- 186 Facilities Demolished
- 95 Waste Sites Remediated
- ~923,000 Tons of Soil Removed
- Final Remediation of 619-10 & 619-11 Burial Grounds Complete

**Plutonium Finishing Plant Complex**
- All Special Nuclear Material Shipped Off-site
- Slightly Irradiated Fuel Shipped to the Canister Storage Building for Safe Guarding
- PPF Complex Reduced to Slab on Grade
- 18 Facilities Demolished

* Does not reflect all work

September 2008
River Corridor Strategy
300 Area – Glovebox Removal
300 Area – 618-7 Site
300 Area – 618-7 Site (continued)
K East Basin – Before Demolition
K East Basin
Groundwater

- 200-ZP1 Record of Decision finalized – first final ROD for groundwater on the Hanford Site
- Contaminants of concern include carbon tetrachloride, total chromium (Cr III and Cr VI), nitrate, trichloroethylene, iodine 129 and technetium-99
- Selected remedy combines pump and treat, monitored natural attenuation, flow path control and ICs
Plutonium Finishing Plant
Plutonium Finishing Plant
FFTF Deactivation Status

FFTF Deactivation Summary

Tasks Required for Deactivation

Fast Flux Test Facility

Plan
Actual

EM Environmental Management
safety  performance  cleanup  closure
Central Plateau – B/C Control Area
Solid Waste Stabilization & Disposition – FY 09

- Retrieve 1000 cubic meters
- Repackage in T Plant
- Prepare 1000 Overpack drums for potential shipment to INL
- Build inventory for future shipping campaigns
# RL Overall Occupational Safety Performance

## October

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DOE / EM / RL – TRC & DART Case Comparisons