Recovery Act Update

Department of Energy
Richland Operations Office
September 21, 2010

Presented to:
Tri-Cities Chapter, Washington Society of Professional Engineers

Presented by:
Jon Peschong
Recovery Act Program Manager
DOE Richland Operations Office
ARRA Site Overview

• $1.961 billion in funding received
  – DOE Richland Operations Office: $1.635 billion
  – DOE Office of River Protection: $326 million

• Funding spent as of August 31, 2010
  – $806,337,029

• 3 prime contractors have awarded more than 1,200 subcontracts with a total value of $735 million
  – $478 million (65 percent) in subcontracts awarded to small businesses
  – $443 million (60 percent) in subcontracts awarded to local businesses
ARRA Site Overview – Jobs

- FTEs (April-June 2010): 3,124
- Headcount on June 30, 2010: 8,002
- FTEs (full-time equivalents) converts total hours worked during the quarter to an estimated number of jobs if all were full time and completely funded by the Recovery Act.
- DOE Office of Environmental Management Headcount (Lives Touched): The total number of people that have ever had a job at least partially funded by the Recovery Act since funding was received in April 2009.

First 100 grads from HAMMER training facility
Overall, Richland Operations Office Recovery Act Projects are 12 percent under budget (costing less than projected)

- 11 of 13 projects are on schedule

- 2 projects behind schedule but expected to finish on schedule
  - 618-10 Burial Ground Remediation
  - Soil & Groundwater Remediation
Key Progress/Accomplishments

*Through August 2010

- Demolished 34 facilities (85,000 square feet)
- Remediated 44 waste sites
Key Progress/Accomplishments

*Through August 2010*

- Retrieved 521 cubic meters of solid waste from storage trenches
- Removed 62 large pieces of equipment (glove boxes and vent hoods) from Plutonium Finishing Plant
Key Progress/Accomplishments

*Through August 2010

- Waste disposal rate from cleanup increased from 200 trucks per day in 2009 to 450 per day
- Completed excavation of 3.3 million cubic yards soil for two new disposal cells (Super Cells) at the Environmental Restoration Disposal Facility (ERDF)
- Building liner and leachate (liquid) collection systems
Key Progress/Accomplishments (cont.)

*Through August 2010

- **Installed radiation monitoring** devices to conduct characterization of the 618-10 Burial Ground, one of Hanford’s most hazardous waste sites
- Conducted intrusive characterization of the 618-10 Burial Ground
Building Groundwater Treatment Systems

*Through August 2010

- Installed 260 wells for monitoring and treating groundwater
- One new treatment system built along Columbia River
- Another under construction on Central Plateau
- New treatment systems across the Hanford Site will quadruple current treatment capacity of 50 million gallons per month
Retrieving Transuranic Waste
Demolishing U Canyon Ancillary Structures
Expanding ERDF

- September 2009
- July 2010
- May 2010
Demolishing Facilities 100K Area

183-KW Sedimentation Basin – October 2009

183-KW – April 2010

115KE Gas Recirculation Bldg.
Characterizing 618-10 Burial Ground

1961 Workers unloading cask at the 618-10 Burial Ground

A soil sampling mockup

Taking soil samples to characterize the waste
Reducing Hanford’s Cleanup Footprint

• Original cleanup footprint
  586 sq. mi.

• Planned Cleanup footprint reduction
  45-60% by end of FY 2011
  85-90% by end of FY 2015
Planning for Post-ARRA Funded Cleanup

- All ARRA work originally planned will be completed before the end of fiscal year 2011, as scheduled.
- Work efficiencies (getting work done faster and/or at a lower cost than projected) are allowing DOE to fund $150 million of additional projects through the end of fiscal year 2012.
More Information

- http://www.hanford.gov/
- http://www.hanford.gov/Recovery
- Follow/Friend us on
  - Facebook: www.facebook.com/hanfordsite
  - Twitter: www.Twitter.com/hanfordsite
  - YouTube: www.youtube.com/hanfordsite