

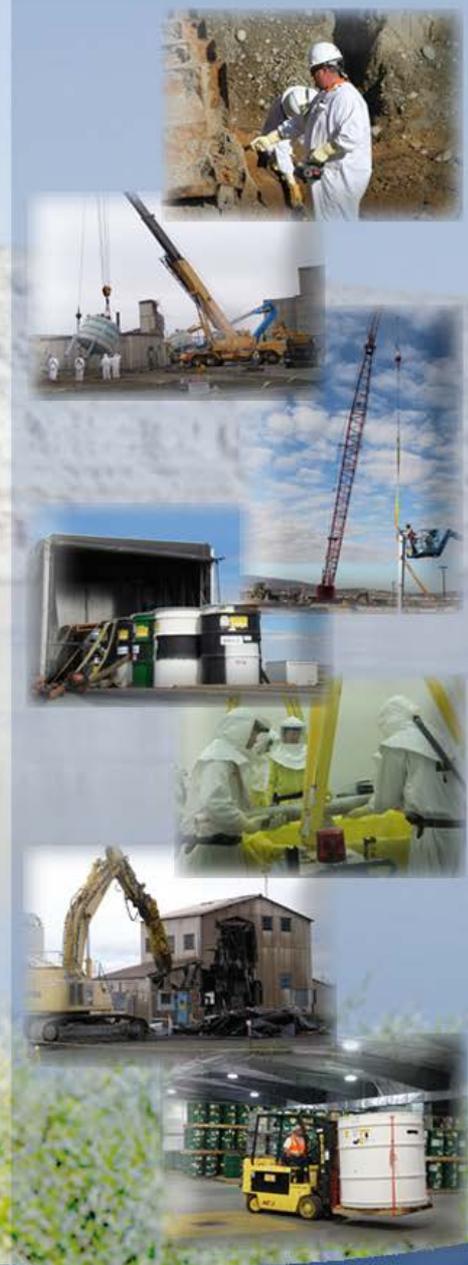


Cleanup Progress Update

Hanford Advisory Board

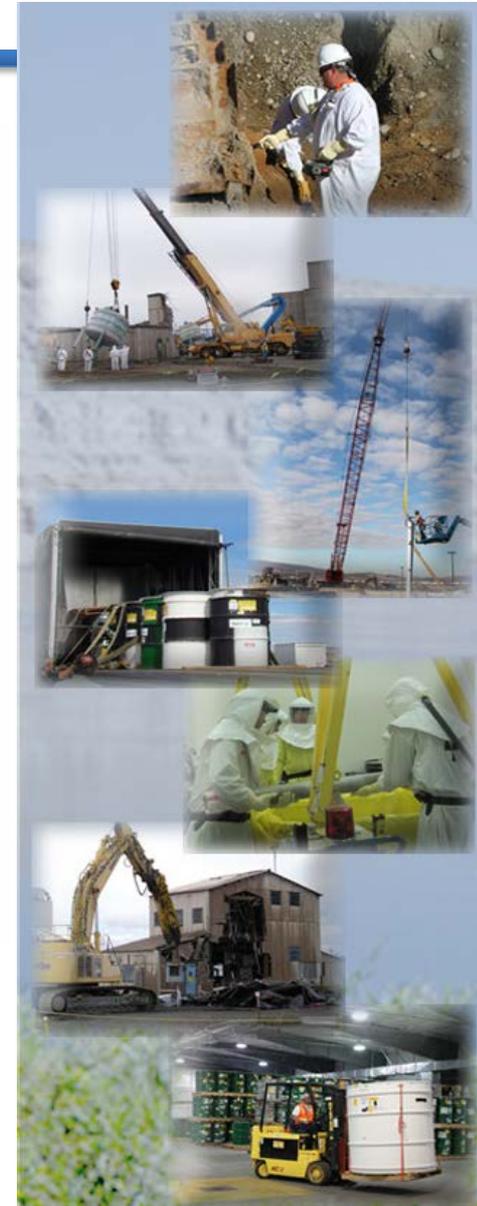
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June 2014



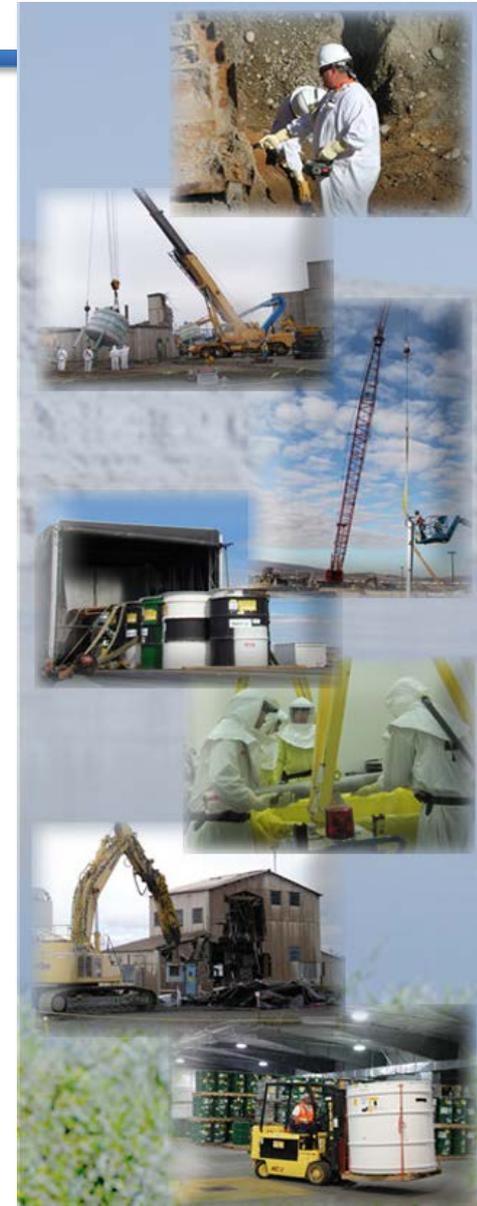
Richland Cleanup Priorities

- Maintain safe, secure and compliant activities, facilities and operations
- Continue River Corridor cleanup, including remediation of 618-10 Burial Ground
- Continue Plutonium Finishing Plant deactivation, decommissioning and demolition
- Continue groundwater pump and treat operations, and implement additional groundwater remedies



Richland Cleanup Priorities

- Continue preparations for 324 Building deactivation, decommissioning, demolition and soil remediation (River Corridor)
- Complete phase one of radioactive sludge project: move sludge from K-West Basin near the Columbia River to interim storage in the Central Plateau
- Move cesium, strontium capsules stored underwater in Waste Encapsulation Storage Facility into dry storage



Richland Operations Office

(\$ in thousands)

| PBS | PBS Title | FY 2014 Omnibus | FY 2015 President's Budget |
|-------------------|--|--------------------|----------------------------------|
| RL-0011 | NM Stabilization and Disposition - PFP | \$142,670 | \$168,228 |
| RL-0012 | SNF Stabilization and Disposition | \$98,369 | \$103,067 |
| RL-0013 | Solid Waste Stabilization and Disposition - 200 Area | \$130,126 | \$112,371 |
| RL-0030 | Soil and Water Remediation - Groundwater/Vadose Zone | \$141,500 | \$116,916 |
| Subtotal | Central Plateau Remediation | \$512,665 | \$500,582 |
| | | | |
| RL-0041 | Nuclear Facility D&D - River Corridor Closure Project | \$337,642 | \$266,866 |
| RL-0040 | Nuclear Facility D&D - Remainder of Hanford | \$70,992 | \$65,922 |
| Subtotal | River Corridor and Other Cleanup Operations | \$408,634 | \$332,788 |
| | | | |
| RL-0100 | Richland Community and Regulatory Support | \$19,701 | \$14,701 |
| RL-0020 | Safeguards and Security | \$69,078 | \$63,668 |
| RL-0042 | Nuclear Facility D&D - Fast Flux Test Facility Project | \$2,542 | \$2,562 |
| Total - RL | Richland Field Office Funding Summary | \$1,012,620 | \$914,301 |

Safety and Health



Matt McCormick, DOE-RL manager, far left, joins CH2M Hill employees as they raise the VPP Star site flag



Workers are removing gloveboxes and pencil tanks at the high-hazard Plutonium Finishing Plant. Deactivation at the plant is almost 70 percent complete.



Workers removed hundreds of contaminated process tubes and pipes to support the removal of the 309 test reactor

Cleanup progress at 100-D Reactor Area

Excavation of two large chromium-contaminated areas near D and DR reactors is complete

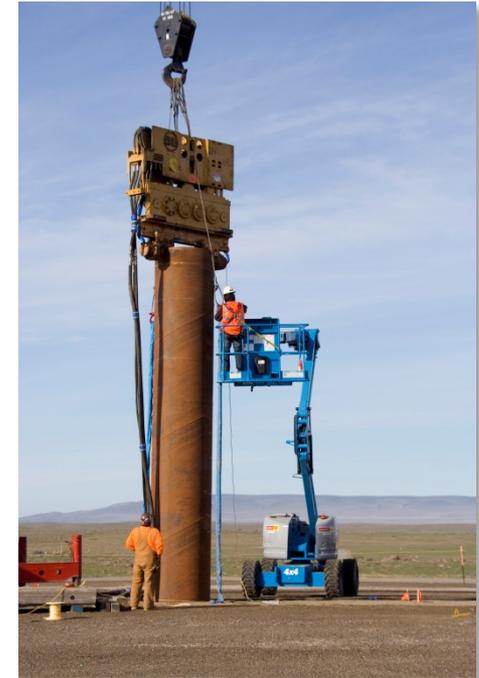


- Excavation required digging 85 feet to groundwater
- About 2 million tons of material was excavated
- One-third of the material was contaminated and disposed at Hanford's onsite landfill

Cleanup progress at the 618-10 Burial Ground



The 618-10 Burial Ground contains both low-level and transuranic waste



Mockup for VPU remediation



Excavation of the waste trenches

K Basin Closure Project



Workers continue to make progress with construction of K-West Basin Modified Annex

Plutonium Finishing Plant

Progress

- 55 of 81 facilities demolished
- 208 of 238 glove boxes removed
- 136 of 196 pencil tank units removed



Workers remove a glove box

Challenges

- Crews are preparing to enter the McCluskey Room this summer
- New strategy of removing large glove boxes from the facility

Workers train at HAMMER



Crews will begin demolishing support structures this summer

Plutonium Finishing Plant



The pipe was part of a demister system that was being dismantled. The demister line being size-reduced inside of the glove bag



Waste Management – Central Waste Complex



Groundwater

Recent Progress

- Purchased a uranium treatment “skid” for the 200 West Pump and Treat Facility
- Completed TPA milestone to install eight additional monitoring wells at 100-BC-5
- Implemented work plan to support uranium sequestration in the 300 Area



200 West Pump and Treat Facility – online and treating groundwater

Focus Areas

- Expand pump and treat systems
- Continue progress on decision documents



Well drilling preparation

Fiscal Year 2014 Key Performance Goals

Completed 2014 Key Performance Goals to Date:

- ✓ Complete cleanup of chromium contamination at the 100-D-30 and 100-D-104 waste sites
- ✓ Oversee and approve the contract award for remediation of the 300-296 waste site under the 324 Facility
- ✓ Complete removal/disposal of the 340 Vault
- ✓ Complete the removal/disposal of the Plutonium Recycling Test Reactor and complete above-grade demolition of the 309 Facility

Public Outreach/Involvement Activities

Current/ Upcoming Public Involvement Opportunities

- May 29 to June 12: Hanford Workforce Restructuring Plan
- June 4-5: Hanford Advisory Board meeting in Richland
- June 9 to August 11: 60-day comment period on Proposed Plan for cleanup of the 100-F and IU Area
- Public tour season underway



State of the Site meetings were held in Seattle, Portland, Hood River and Richland.



Go to the Hanford Events Calendar section of www.hanford.gov for more information

Find Out More

Go to
www.hanford.gov

to learn about

- Latest news on Hanford cleanup progress
- Upcoming opportunities for input on cleanup decisions
- Upcoming tours
- How to book a speaker
- Hanford newsletters
- Hanford social media sites



Notes Slide:
