Cleanup Progress Update
Hanford Advisory Board

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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 waste site soil remediation (River Corridor)
- 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)

<table>
<thead>
<tr>
<th>PBS</th>
<th>PBS Title</th>
<th>FY 2014 Omnibus</th>
<th>FY 2015 President's Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL-0011</td>
<td>NM Stabilization and Disposition - PFP</td>
<td>$142,670</td>
<td>$168,228</td>
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<td>RL-0012</td>
<td>SNF Stabilization and Disposition</td>
<td>$98,369</td>
<td>$103,067</td>
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<td>RL-0013</td>
<td>Solid Waste Stabilization and Disposition - 200 Area</td>
<td>$130,126</td>
<td>$112,371</td>
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<td>RL-0030</td>
<td>Soil and Water Remediation - Groundwater/Vadose Zone</td>
<td>$141,500</td>
<td>$116,916</td>
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<td><strong>Subtotal</strong></td>
<td>Central Plateau Remediation</td>
<td><strong>$512,665</strong></td>
<td><strong>$500,582</strong></td>
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<tr>
<td>RL-0041</td>
<td>Nuclear Facility D&amp;D - River Corridor Closure Project</td>
<td>$337,642</td>
<td>$266,866</td>
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<td>RL-0040</td>
<td>Nuclear Facility D&amp;D - Remainder of Hanford</td>
<td>$70,992</td>
<td>$65,922</td>
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<td><strong>Subtotal</strong></td>
<td>River Corridor and Other Cleanup Operations</td>
<td><strong>$408,634</strong></td>
<td><strong>$332,788</strong></td>
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<td>RL-0100</td>
<td>Richland Community and Regulatory Support</td>
<td>$19,701</td>
<td>$14,701</td>
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<td>RL-0020</td>
<td>Safeguards and Security</td>
<td>$69,078</td>
<td>$63,668</td>
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<td>RL-0042</td>
<td>Nuclear Facility D&amp;D - Fast Flux Test Facility Project</td>
<td>$2,542</td>
<td>$2,562</td>
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<tr>
<td><strong>Total - RL</strong></td>
<td>Richland Field Office Funding Summary</td>
<td><strong>$1,012,620</strong></td>
<td><strong>$914,301</strong></td>
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</tbody>
</table>
In recent weeks, crews demolished 8 support buildings.

The work creates a demolition zone to allow for operation of heavy equipment during final facility demolition.

61 of 81 plant facilities removed or demolished.

212 of 238 glove boxes removed or cleaned out for removal during demolition.

142 of 196 pencil tank units removed.

Preparing to enter one of Hanford’s most hazardous rooms: Workers helped select protective equipment and suits for entering the plant’s McCluskey Room this fall.
• Workers used explosives to safely demolish a large portion of the Plutonium Recycle Test Reactor’s underground structure

The structure had walls as thick as 13 feet, 18 feet wide and 28 feet high

Workers install charges in drilled vertical holes

Using explosive demolition to demolish the underground structure, rather than breaking up the concrete with an excavator equipped with shears or a jackhammer, saved an estimated $2.5 million
Environmental Restoration Disposal Facility

- 16 million tons of waste disposed since ERDF opened in 1996
- 1 million tons of waste disposed in fiscal year 2014

Workers dispose the 340 Vault earlier this year

ERDF’s waste transport drivers have logged 26 million miles since 1996
Groundwater Remediation Progress

• DOE’s Central Plateau contractor met DOE’s annual goal to remove 550 pounds of hexavalent chromium from groundwater near the river 4 months ahead of schedule

• 680 pounds removed through end of July

• Remediation of major sources of chromium in the soil and operation of 5 pump-and-treat systems along the river is reducing contaminant in groundwater
K-Basin Closure Project

- Completed installation of structural steel on K-West Annex
- Completed first set modifications to K-West Basin to allow for installation of sludge removal system
- Initiated procurement of process equipment for sludge removal

Workers install the metal wall panels on the K-West Annex, which will house equipment used to transfer radioactive sludge in the K-West Basin to a facility on the Central Plateau.
Goals Met to Date Include:

✓ 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 Building

✓ 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

✓ Complete transition of reactors in interim safe storage (C, H, DR, D, N) to the RL Long-Term Stewardship Program

✓ Complete demolition of the 326, 3730, 3760, 3790, and 183B facilities
Public Outreach/Involvement Activities

Current/ Upcoming Public Involvement Opportunities

- **Public meeting** on proposed Class 3 modifications to 325 Hazardous Waste Treatment Units Operating Permit at PNNL’s Environmental Technology Building, **Sept. 4 at 6:30 p.m.**

- **Public meeting** on proposed Class 2 modifications to Hanford Facility Dangerous Waste Permit, Liquid Effluent Retention Facility and Effluent Treatment Facility at Richland Library, **Sept. 15 at 5:30 p.m.**

- **Public meeting** on Class 2 modifications to Hanford Facility Dangerous Waste Permit, Attachments 4 and 9, at Richland Library, **Oct. 8 at 6 p.m.**

Go to the Hanford Events Calendar section of [www.hanford.gov](http://www.hanford.gov) for more information

The Fall EM Site-Specific Advisory Board Chairs Meeting is scheduled for Sept. 16-18 in Idaho Falls, Idaho
Find Out More

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