

***Environmental Management  
FY 2012 President's Budget Request  
for the Richland Operations Office***



**U.S. Department of Energy**

*February 14, 2011*

# Environmental Management: A National Responsibility

February 2011

FY 2012 President's Budget

- ✓ We reduce risks and protect our workers, our communities and the environment through cleanup
- ✓ Our work is urgent and essential to the health and economic vitality of our communities and the nation and positions our Sites for future missions and use
- ✓ Our mission is not discretionary - it is a Federal obligation to address cleanup of the Cold War environmental legacy and honor our regulatory commitments
- ✓ Time is not on our side – costs and risks increase over time
- ✓ We have demonstrated value for the American Taxpayer by delivering significant progress in the past several years in reducing risks and the overall liability - but our work is not done
- ✓ The Environmental Management portfolio is one of our nation's largest liabilities - we have a responsibility to relieve future generations of this environmental and financial liability



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# Richland's 2015 Cleanup Vision

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## Building on the ARRA momentum, the Richland team will:

- ✓ **Shrink the active cleanup footprint by 90 percent:** Hanford footprint reduced from 586 square miles to less than 75 square miles.
- ✓ **Protect the Columbia River:** Remove contaminated soil and solid waste adjacent to the river and install critical groundwater remedies to stop key contaminants from entering the river, including chromium, by 2012.
- ✓ **Complete cleanout and demolish the Plutonium Finishing Plant Complex:** Deactivate and demolish over 80 facilities/structures. Eliminates the highest risk nuclear facility on the Hanford Site by the end of 2013.
- ✓ **Contain key contaminants on the Central Plateau:** Install critical groundwater pump and treat systems by 2012 and operate them to contain key contaminants in the center portion of Hanford so they do not reach the Columbia River in the future.
- ✓ **Disposition 90 percent of legacy transuranic (TRU) waste by 2015:** Continue transuranic waste retrieval from underground storage, treating for disposal and shipping TRU waste to the Waste Isolation Pilot Plant.
- ✓ **Reduce Hanford Site infrastructure costs by 10 percent:** As a result of shrinking the active cleanup footprint, costs associated with infrastructure and site services are reduced by at least \$25 million per year starting in Fiscal Year 2015.



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# President's Budget Request

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## FY 2011 Funding and FY 2012 Budget Request

(\$\$ in Thousands)

PBS	PBS Title	FY 2011 President's Budget	FY 2012 President's Budget
RL-0011	*NM Stabilization and Disposition - *PFP	64,969	48,458
RL-0012	*SNF Stabilization and Disposition	94,016	112,250
RL-0013	Solid Waste Stabilization and Disposition - 200 Area	135,026	143,897
RL-0020	Safeguards and Security	69,234	69,234
RL-0030	Soil and Water Remediation - Groundwater/Vadose Zone	129,629	222,285
RL-0040	Nuclear Facility *D&D - Remainder of Hanford	139,641	56,288
RL-0041	Nuclear Facility D&D - River Corridor Closure Project	386,028	330,534
RL-0042	Nuclear Facility D&D - Fast Flux Test Facility Project	3,659	2,703
RL-0100	Richland Community and Regulatory Support	19,620	20,338
<b>Total - RL Office Base Funding Total</b>		<b>1,041,822</b>	<b>1,005,987</b>

- \*NM: Nuclear Materials
- \*PFP: Plutonium Finishing Plant
- \*SNF: Spent Nuclear Fuel
- \*D&D: Deactivation & Decommissioning (demolition)



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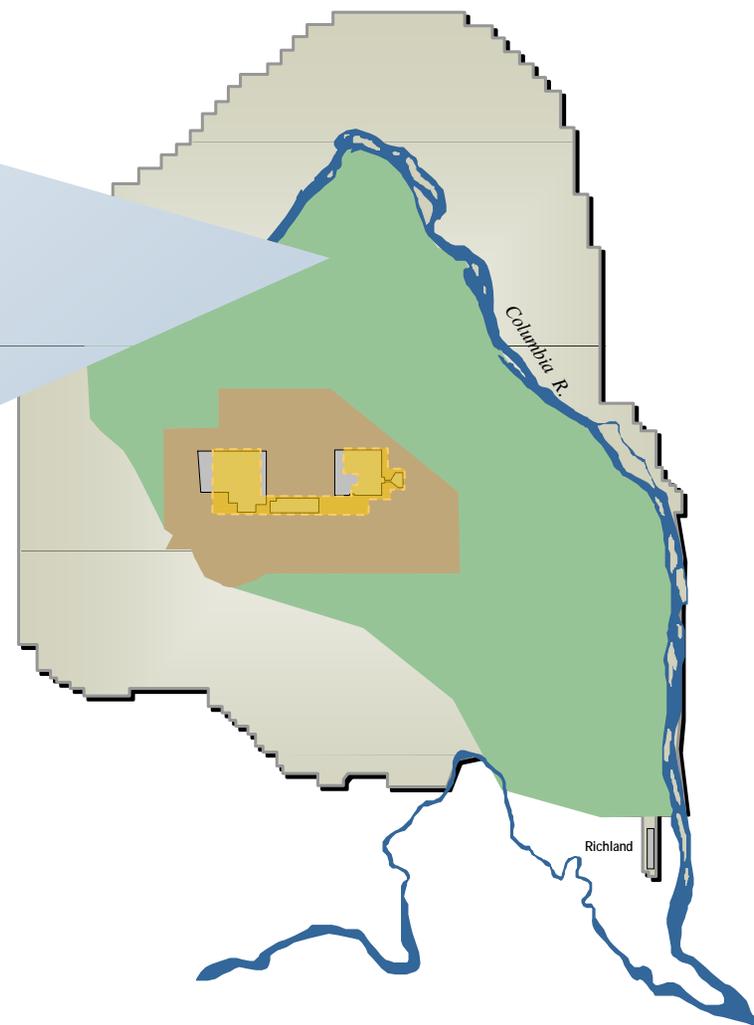
# Planned Accomplishments

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## River Corridor (~220 sq. mi.)

- Maintain minimum safety systems and operations (RL-0012, RL-0041)
- Continue remediation of waste sites and facilities along the Columbia River to support completion by 2015 (RL-0041)
  - Continue remediation of highly contaminated 324 facility and disposition of the hot cells
  - Complete interim remedial actions for 100 D and 100 H Areas
  - Remediate contaminated waste sites to prevent hexavalent chromium from entering the Columbia River
- Continue remediation of the 618-10 burial ground (RL-0041)
- Initiate remediation of the 618-11 burial ground (RL-0041)
- Complete 100 N Reactor Interim Safe Storage (RL-0041)
- Continue K-West Operations and Sludge Removal Design (RL-0012)
- Deinventory Knock-Out Pot sludge from the KW basin and ship to the Canister Storage Building (RL-0012)
- Operate River Corridor pump and treat systems to contain and prevent contaminants from reaching the Columbia River (RL-0030)
- Continue River Corridor remedial investigation/ feasibility studies and proposed plans (RL-0030)



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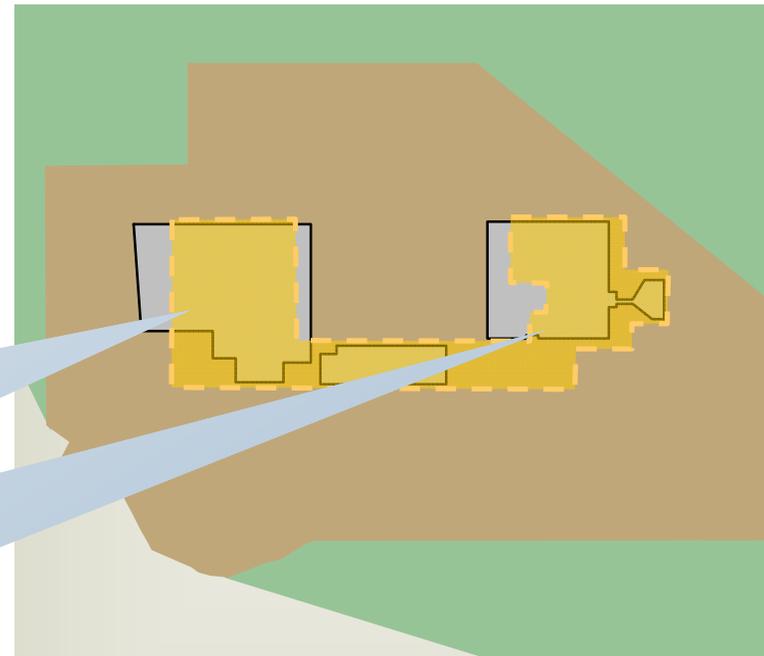
# Planned Accomplishments

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## **Central Plateau (~75 sq. mi.)**

- Maintain minimum safety systems and operations (RL-0011, RL-0013C, RL-0040, RL-0042)
- Operate 200 West pump and treat system to contain and prevent contaminants from reaching the Columbia River (RL-0030)
- Continue Central Plateau remedial investigation/ feasibility studies and proposed plans (RL-0030)
- Maintain site-wide security (RL-0020)



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# Summary

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With this budget, the DOE Richland Operations Office will make substantial progress in meeting its 2015 vision.

- ✓ Funds the River Corridor cleanup.
- ✓ Keeps DOE on track to achieve 90 percent reduction of active cleanup footprint by 2015.
- ✓ Continues to make progress toward containing and preventing contaminants from entering the Columbia River.



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