



Richland Operations Office Agency Update *Hanford Advisory Board*

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June 2015

RICHLAND
OPERATIONS OFFICE
United States Department of Energy



Safety and Health

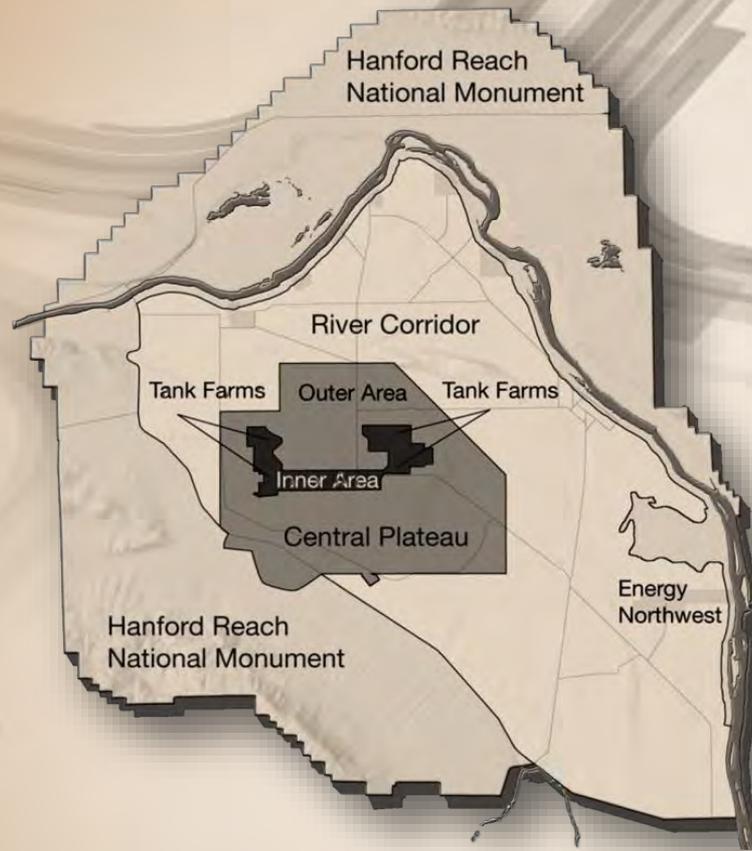
- Hanford Fire Danger “Very High”
- CHPRC and site contractors implementing summer safety campaigns (heat safety)
- Mission Support Alliance injury rate lowest in four years
- Washington Closure Hanford reached 5.5 million safe hours (without an injury resulting in a lost work day)



HAMMER



Wild land fire in 200 West Area



River Corridor



300 Area Progress



300 Area Cleanup

- Completed remediation of the 309 Test Reactor below-grade structure. All 300 Area facility clean out and demolition activities are complete (except for 324 Building and associated structures)
- Completed backfill of the 340 facility waste site



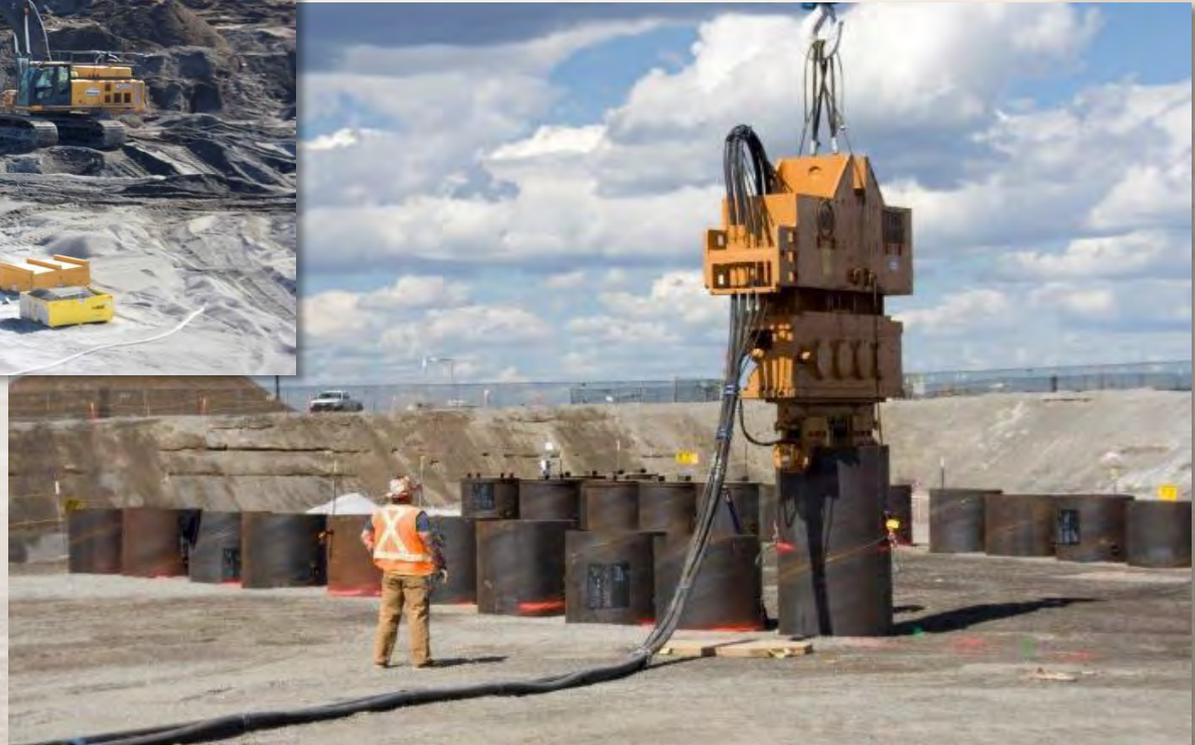


618-10 Burial Ground



Workers have excavated down 35 feet in some areas to remove drums and contaminated soil. The burial ground is expected to contain about 1,550 drums.

Over casings were driven into the soil around vertical pipe units



D Reactor Area Progress



During Operations



Waste Site Cleanup



Finishing Backfill

2015

N Reactor Area Progress



Finishing Backfill

K-Basin Sludge Treatment Project



100 K Reactor Area



Exterior of the annex

K East Reactor Area Sampling

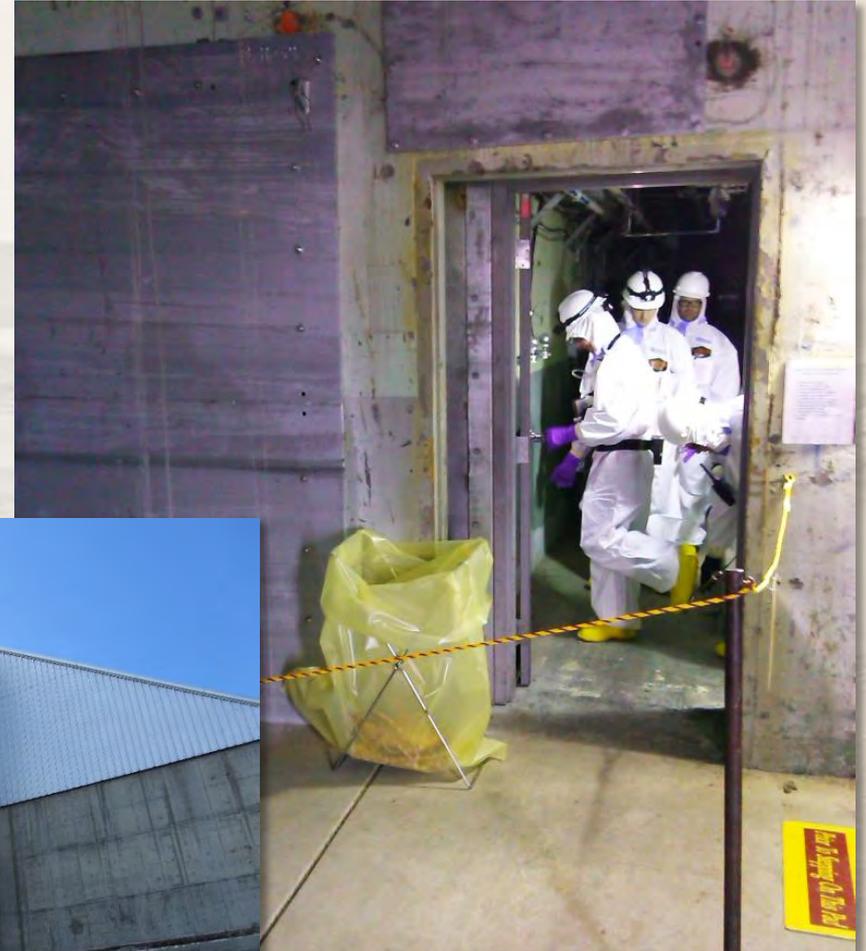


K East Reactor Area

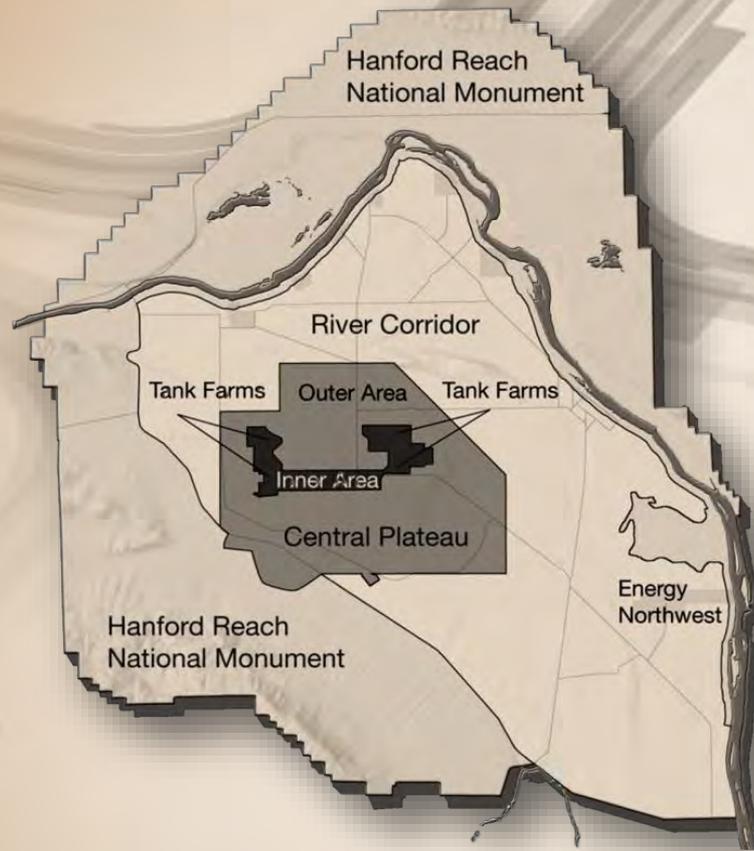


Sample drilling near K East Reactor

Reactor Inspections



Entry into H Reactor in April



Central Plateau



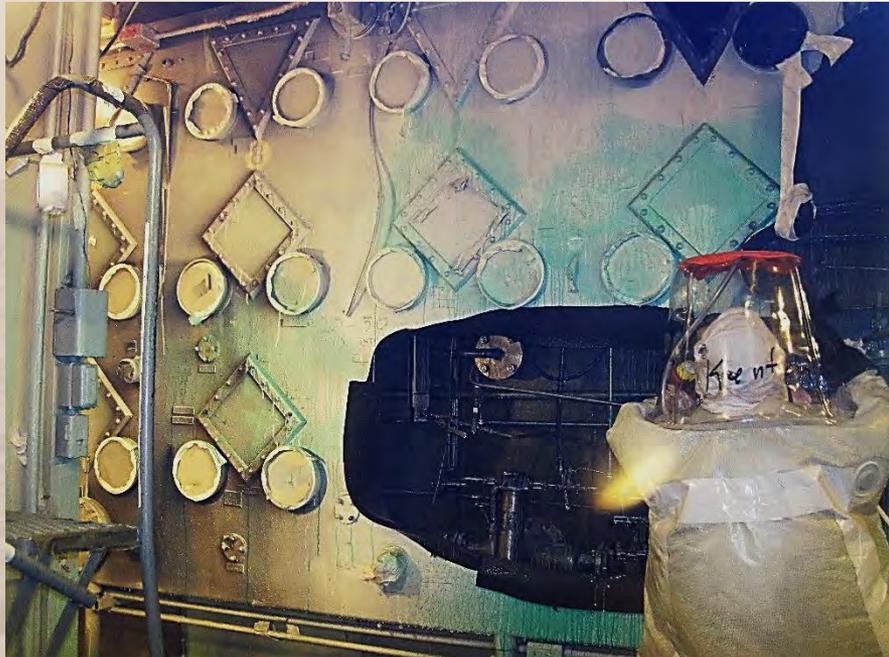
Plutonium Finishing Plant



Removing the last pencil tank from the Plutonium Reclamation Facility canyon



Plutonium Finishing Plant



*Progress in the Americium Recovery Facility
(a.k.a., McCluskey Room)*





Groundwater Remediation Progress

- Installed uranium ion exchange columns in 200 West Area Pump and Treatment Facility
- Completed welding pipeline for uranium extraction system in 200 West Area



200 West Pump and Treatment Facility





Waste Encapsulation Storage Facility

Ventilation and Hot Cell Stabilization Project



Existing ventilation system



Central Waste Complex Waste Repackaging

- Repackaging of transuranic (TRU), mixed waste is underway at Perma-Fix Northwest
- Repackaged into standard waste boxes and drums for certification for shipment to Waste Isolation Pilot Plant (WIPP)



Shipment prepared for transport to Perma-Fix Northwest



Material at Perma-Fix Northwest prepared for repackaging

Canyons



PUREX



REDOX



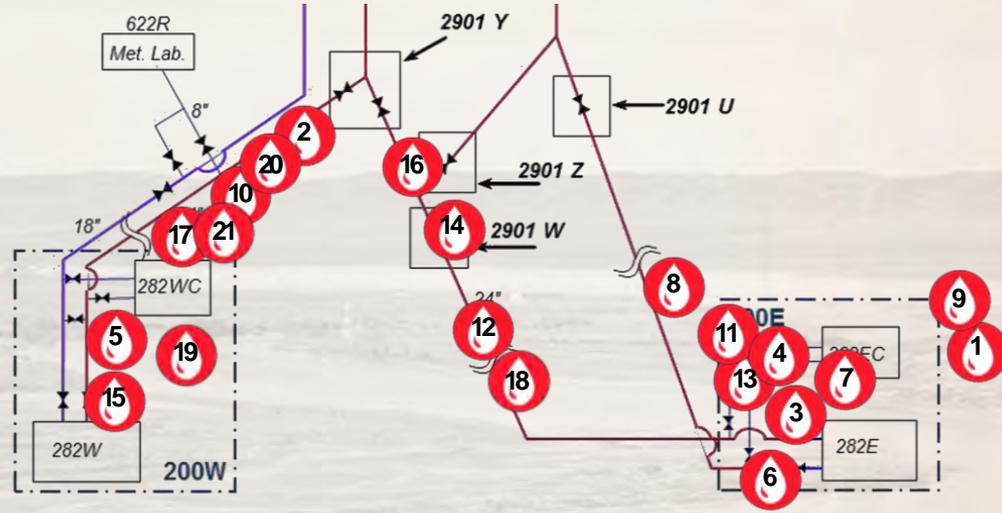
B Plant



Infrastructure



Maintaining utility lines



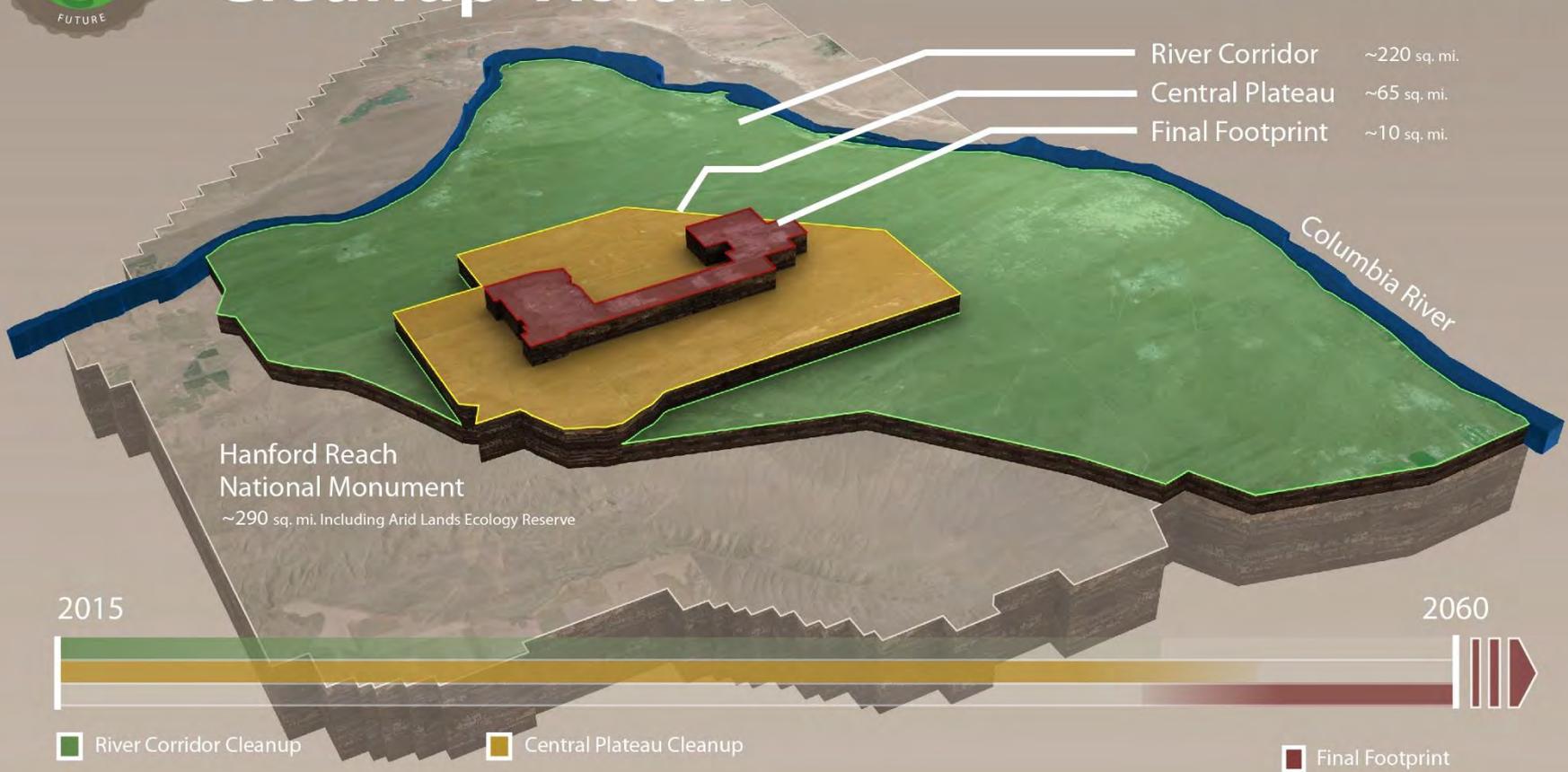
Repairing water lines



Richland Operations Office Cleanup Vision



U.S. DEPARTMENT OF
ENERGY



Safe and Effective Cleanup

	Eliminate major nuclear risks
	Remediate and protect groundwater

	Sustain infrastructure to support all Hanford cleanup
	Protect special nuclear materials



Tri-Party Agreement Milestones

- Sludge and K Area Milestones: Milestones changed to align with new sludge date
- M-91 Milestones: Milestones for transuranic waste retrieval, repackaging
 - Proposed changes emphasize treating and repackaging waste already retrieved over retrieving more waste, for the next few years
- Tri-Party agencies in formal negotiation on milestones series for Central Plateau cleanup



Hanford Visits



Mark Whitney, DOE Acting Asst. Secretary, Environmental Management, visits Waste Encapsulation Storage Facility, May 19



Rep. Newhouse visits Hanford Site, May 11



State and Tribal Government Working Group, May 20



Public open house during visit by National Park Service





What's Ahead?

- Manhattan Project National Historical Park
- Land Conveyance
- Early Restoration



B Reactor



White Bluffs Bank



Budget



Richland Operations Office FY 2015 Appropriation and FY 2016 President's Budget

PBS	PBS Title	FY 2014 Omnibus (Enacted)	FY 2015 President's Budget	FY 2015 Omnibus Allocation	FY 2016 President's Budget
RL-0011	NM Stabilization and Disposition - PFP	142,670	168,228	137,130	148,661
RL-0012	SNF Stabilization and Disposition	98,369	76,777	67,746	81,192
RL-0012	15-D-401 Containerized Sludge Line Item		26,290	46,055	77,016
RL-0013	Solid Waste Stabilization and Disposition - 200 Area	130,126	112,371	107,651	150,691
RL-0030	Soil and Water Remediation - Groundwater/Vadose Zone	141,500	116,916	184,929	174,619
Subtotal	Central Plateau Remediation	512,665	500,582	543,511	632,179
RL-0040	Nuclear Facility D&D - Remainder of Hanford	70,992	65,922	65,922	88,874
RL-0041	Nuclear Facility D&D - River Corridor Closure Project	337,642	266,866	311,866	108,083
Subtotal	River Corridor and Other Cleanup Operations	408,634	332,788	377,788	196,957
RL-0020	Safeguards and Security	69,078	63,668	63,668	67,601
RL-0042	Nuclear Facility D&D - Fast Flux Test Facility Project	2,542	2,562	2,562	2,562
RL-0100	Richland Community and Regulatory Support	19,701	14,701	19,701	14,701
RL-TD-0100	Technology Development		-		
Total - RL	Richland Field Office Funding Summary	1,012,620	914,301	1,007,230	914,000



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