

Richland Operations Office Update

Hanford Advisory Board

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Richland Operations Office Vision

Continuing Our Legacy of Success: Cleanup and Protection for the Future



2016 - 2028



K Basin Sludge Transfer

- Complete transfer of K West Basin sludge to the Central Plateau

Complete Remaining River Corridor Cleanup

- Complete dewatering, demolition and removal of K West Basin
- Complete the remainder of K Area facility D4 and waste site remediation
- Complete K Area Reactors Interim Safe Storage
- Complete 618-10 and 316-4 remediation
- Complete 300-296 waste site remediation and 324 Building D4
- Conduct any additional soil remediation required by the final CERCLA RODs
- Complete 618-11 remediation

Complete Capsule Transfer from the WESF to Dry Storage

- Complete design and construction of a transfer and storage facility
- Transfer 1,936 cesium/strontium capsules (~100 million curies) to dry storage

Complete Infrastructure Upgrades to Accomplish the Site Mission

- Upgrade critical site infrastructure
- Support startup of the Waste Treatment Plant and Tank Farm operations

Expand Groundwater Cleanup

- Complete 300 Area uranium sequestration
- Conduct any additional groundwater remediation required by the final River Corridor CERCLA RODs
- Obtain 200 East CERCLA RODs
- Implement 200 East (BP-5/PO-1) remedies
- Implement additional remedies required by the 200 West UP-1 CERCLA ROD
- Conduct well decommissioning

Retrieve, Treat, and Enable Shipping of Transuranic Waste to WIPP

- Retrieve and treat "contact-handled" TRU waste
- Retrieve and treat "remote-handled" TRU waste
- Develop and implement new TRU waste disposition capabilities
- Certify and ship TRU waste to WIPP
- Treat K Basin sludge

Continue Cleanup of the Central Plateau

- Complete waste site characterization and treatability tests
- Complete RI/FS and obtain RODs
- Remediate waste sites
- Demolish facilities
- Conduct RCRA TSD closures

Initiate Canyon Disposition

- Conduct demolition preparation and hazard reduction
- Complete canyon characterization (B Plant, PUREX, REDOX)
- Complete above grade demolition of U Plant canyon, remediate adjacent waste sites and install protective barrier

Restore Hanford Land for Access and Use

- Manage and operate the Manhattan Project National Historical Park in partnership with the National Park Service
- Increase controlled Tribal and public access and use
- Protect cultural resources and restore natural resources
- Work closely with our partners to enable reuse of Hanford land consistent with the Comprehensive Land-Use Plan

Clean Up Nuclear facilities and waste sites	Provide Infrastructure to support Hanford Cleanup
Protect Groundwater and the Columbia River	Restore Lands for access and use

Mission:

Protect the workers, public and environment by further risk reduction, provide necessary infrastructure for continued safe and effective cleanup operations, and restore Hanford lands for access and use.

Infrastructure and Facility Base Operations

- Operate key waste management facilities
- Maintain safe operations for Hanford nuclear and nonnuclear facilities
- Provide occupational medicine, laundry and other essential site-wide services
- Provide safeguards and security
- Maintain infrastructure

Groundwater Base Operations

- Contain key contaminants and treat contaminated groundwater
- Maintain RCRA compliance
- Implement RCRA groundwater monitoring requirements



Continue Cleanup of the Central Plateau

- Plutonium Finishing Plant
 - Grouted Plutonium Reclamation Facility canyon floor
 - Working on last glove box (HA-9A)
 - Respiratory equipment



Grouting canyon floor in Plutonium Reclamation Facility



Removal of high-hazard glove box in progress



K Basin Sludge Transfer

- External, independent review of cost and schedule completed
- Plan for 2016
 - Continue installing equipment in K West Reactor basin and annex
 - Continue procurements for Sludge Transport and Storage Container



Exterior of annex that will house equipment for transferring sludge from engineered containers in the K West Basin into transport containers (for transport to T Plant)



Sludge transport and storage container procurement



Complete Remaining River Corridor Cleanup

- Augering vertical pipe units in 618-10 Burial Ground
- Will begin removal of augured material this year



Augering vertical pipe units



Complete Remaining River Corridor Cleanup

- Transitioning work from Washington Closure Hanford to CH2M HILL Plateau Remediation Company
 - 618-10 Burial Ground
 - 324 Building and 300-296 (waste site beneath)
 - Environmental Restoration Disposal Facility



618-10 Burial Ground



Environmental Restoration Disposal Facility

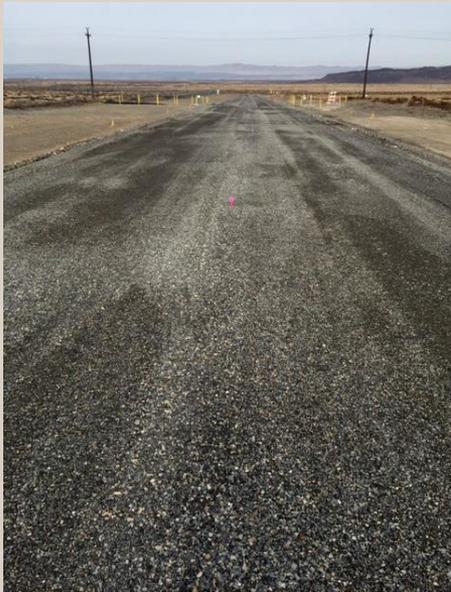


Infrastructure and Facility Base Operations

- High-voltage distribution line supporting Tank Farms
- Waterline upgrades to Central Plateau
- Site road repair and maintenance



100 Area Export Water Piping



*Akron Avenue top course grade
(facing north)*



*Akron Avenue (northbound lane)
asphalt installation*



Groundwater Base Operations

- Stage A uranium sequestration field activities in the 300 Area
- 200-BP-5 Treatability Test
- Startup and operations of the uranium treatment capability
- Initiated sonic drilling at the BY Cribs to support Deep Vadose Zone characterization



Well Field for the 300 Area Uranium Sequestration effort



Uranium ion exchange skid and influent tank at the 200 West Pump-and-Treat Facility



Restore Hanford Land for Access and Use

- Manhattan Project National Historical Park created November 10, 2015
- Park will be jointly managed by DOE and NPS
- Public workshop tomorrow at the Richland Library, 5:30 – 7:30 p.m.



Tri-Party Agreement Milestones

- M-91 Milestones: Milestones for transuranic waste retrieval, repackaging
- Agencies extended public comment period to February 12 for proposed changes to milestones for (non-tank) Central Plateau cleanup milestones
 - Proposed changes to milestones for decision documents, non-tank cleanup, canyon cleanup
 - Regional public meetings held in November