



2016 – 2020 Cleanup Priorities

Richland Operations Office

DRAFT

Complete any Remaining 2015 Vision Projects

1. Complete demolition of PFP to "Slab on Grade"
2. Complete transfer of the K West Basin sludge to the Central Plateau

Complete any Remaining River Corridor Cleanup

3. Complete the 324 Building and 618-11 Burial Ground
4. Conduct any additional soil remediation required by the CERCLA Records of Decision
5. Demolish the K West Basin and demobilize/mediate remaining K-Area facilities and waste sites
6. Place the last two plutonium production reactors (K East and K West) into interim safe storage

Continue Groundwater Cleanup and Reduce Key Long-Term Groundwater Threats

7. Contain key contaminants and treat over 1 billion gallons of contaminated groundwater each year
8. Implement additional groundwater remedies required by the River Corridor CERCLA Records of Decision (expand O-6, 100 N apatite barrier and 300 Area Phase I in situ treatment)
9. Implement 200 East groundwater remedies (SP-SPO-1)
10. Complete data acquisition and treatability testing to determine feasibility of remediating the Deep Vadose Zone, contaminated by past discharge of more than 450 billion gallons of contaminated liquids directly to the soil

Provide Essential Infrastructure for Cleanup

11. Establish necessary infrastructure to support Waste Treatment Plant operations and Central Plateau cleanup

Base Operations Needed to Support Cleanup

Operate key waste management facilities and maintain minimum safe operations and essential site services



Serve as a Primary Source of Contact-Handled and Remote-Handled Waste for the Waste Isolation Pilot Plant (WIPP)

12. Ship legacy waste
13. Ship newly generated waste

Ship Remote-Handled Legacy and Newly Generated Transuranic Waste to WIPP

14. Treat and ship K-Basin sludge
15. Retrieve, pre-treat and ship transuranic waste stored in Alpha Caissons

Eliminate EM's Largest Beyond-Design-Basis Threat (Fukushima-like event) to the Public

16. Determine disposition path for 1,936 cesium/strontium capsules (104 million curies)

Reduce Security Costs by More than \$20 Million Per Year

17. Ship category 1 irradiated fuel offsite (approximately 20 shipments)

Clean up the Central Plateau Outer Area and Shrink the Cleanup Footprint of the Hanford Site to Less than 10 Square Miles (98 percent reduction)

18. Complete RIFS and obtain Record of Decision for outer area operable units
19. Remediate over 120 waste sites
20. Close the Non-Radioactive Dangerous Waste Landfill/Solid Waste Landfill by placing a barrier over the top
21. Complete small TSD closures

Clean Up Central Plateau Inner Area Waste Sites

22. Clean up 21 waste sites (PW 1, 3, 6 and CWS) contaminated with plutonium and cesium in the Central Plateau Inner Area
23. Complete RIFS and obtain Records of Decision for inner area waste site operable units in the following priority
 - 200 West Inner Area and BC cribs and trenches
 - 200 East Inner Area and pipelines
 - 200 Area Deep Vadose Zone
 - 200 Area Burial Grounds

Complete First Remediation of a Large Processing Canyon in the EM Complex

24. Begin demolition of U Plant, clean up waste sites, and design protective barrier

Footprint Reduction

- River Corridor ~220 square miles
- Central Plateau Outer Area ~65 square miles
- Central Plateau Inner Area ~10 square miles