

U.S. DEPARTMENT *of* ENERGY

Office of Environmental Management

Hanford Site Update

to the

Oregon Hanford Cleanup Board

Hanford Field Office

November 2, 2026

Funding: Continuing Resolution

David Kemp, acting Assistant Manager for Business and Financial Operations
Hanford Field Office

Life Cycle Report

Stephen Korenkiewicz, Director
Hanford Portfolio Analysis Division

Jason Capron, Senior Technical Advisor
Hanford Field Office

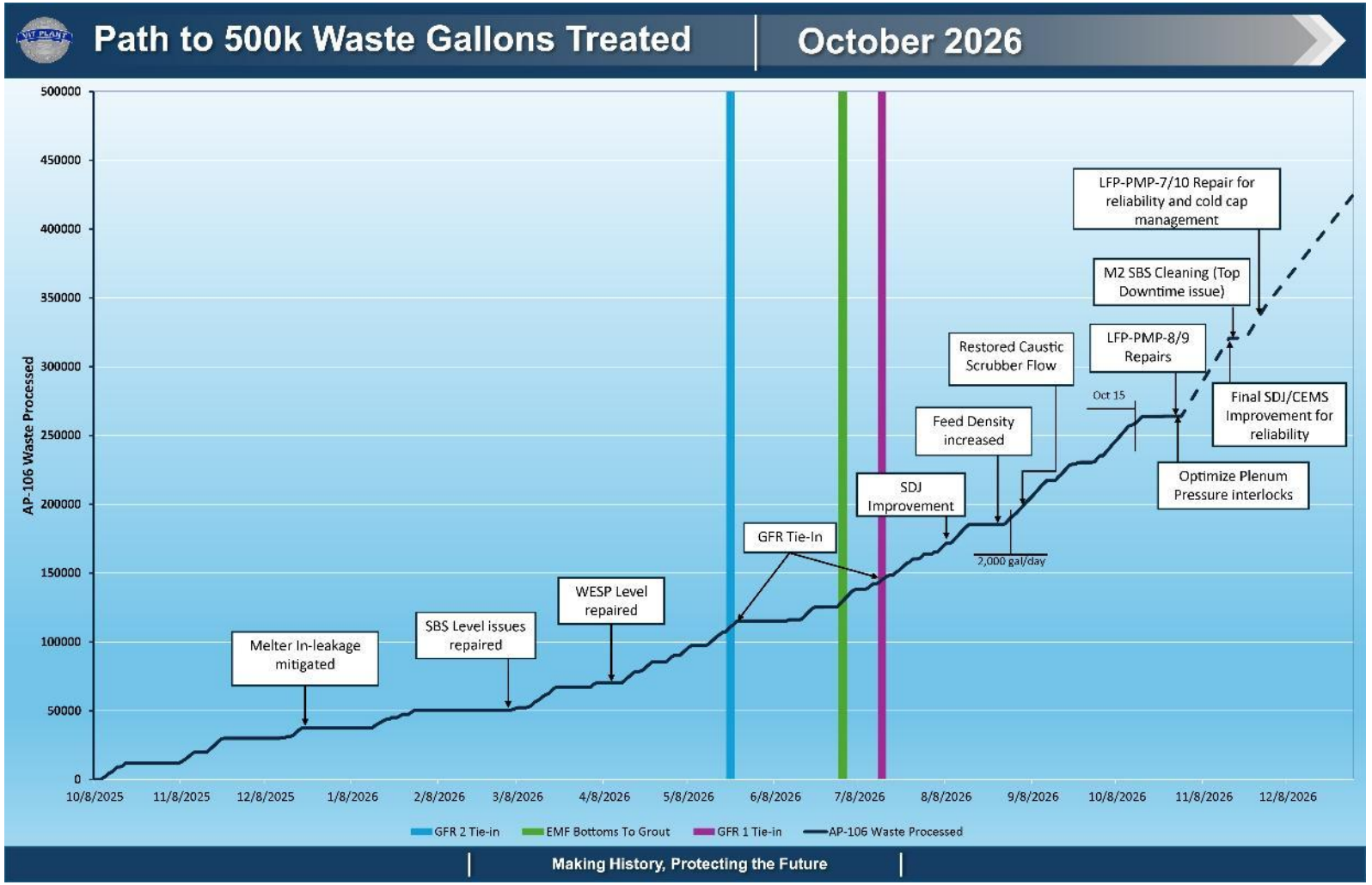
Brian Esparza, Director
Portfolio Planning & Optimization
Hanford Mission Integration Solutions

Direct-Feed Low-Activity Waste

Mat Irwin, Assistant Manager for Waste Treatment and Immobilization Plant and Tank Waste Operations

Hanford Field Office

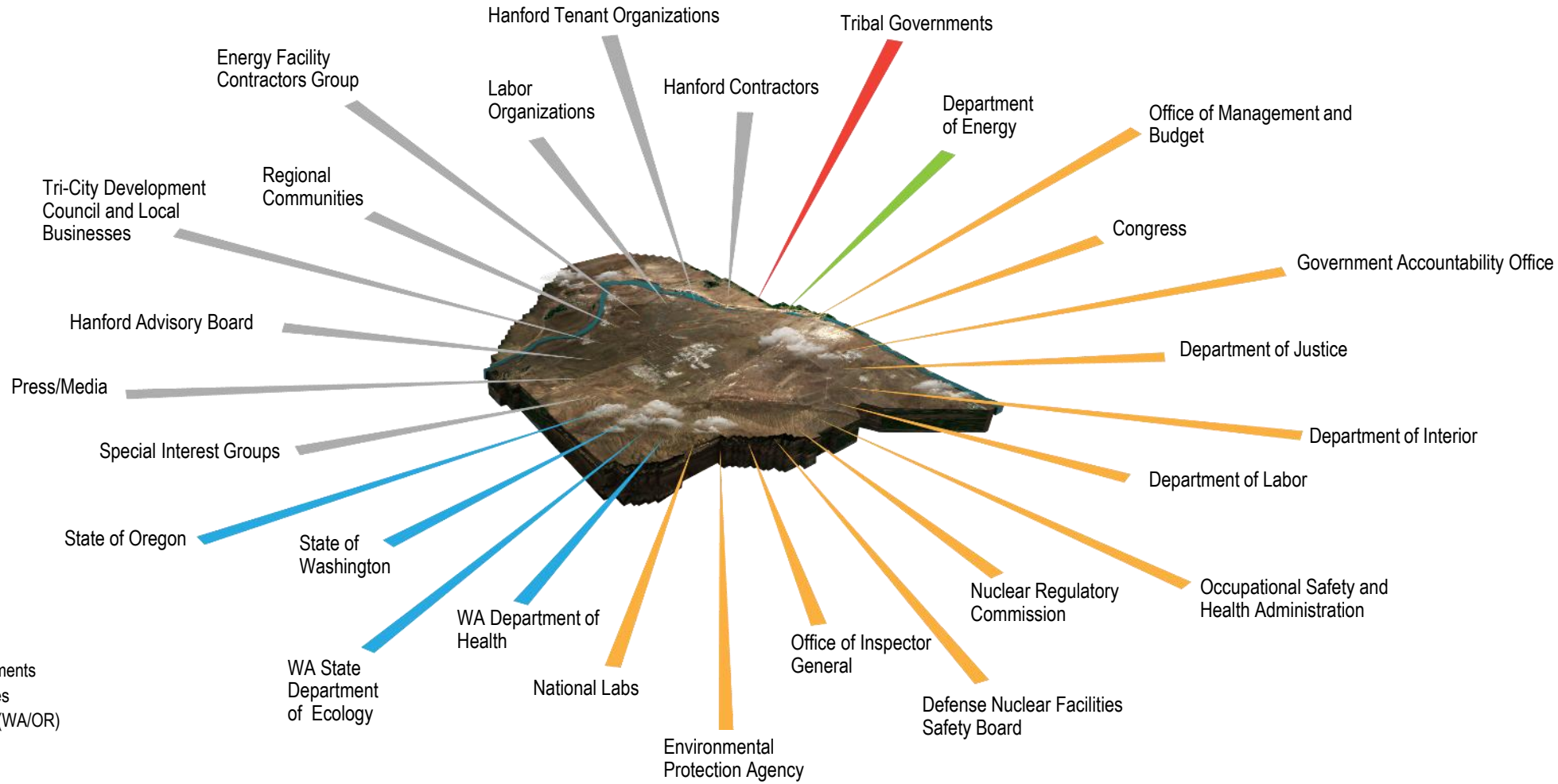
Path to 500,000 Waste Gallons Treated



Public Engagement for Oregonians

Cerise Peck, Director
Communications & One Hanford Services
Hanford Mission Integration Solutions

Hanford Engagement Arena



Environmental Restoration Disposal Facility Super Cell 11

Manuel L. Lopez, Project Facilities Division Engineer
Hanford Field Office

Environmental Restoration Disposal Facility Background

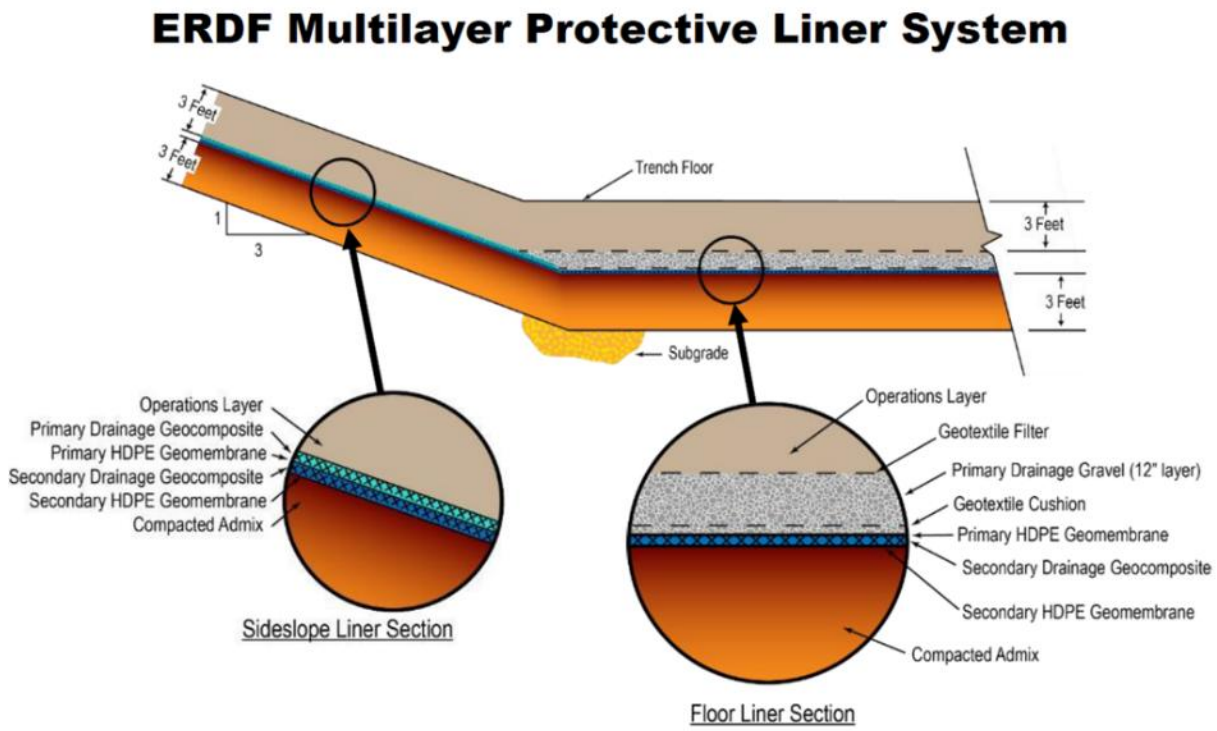
- The Environmental Restoration Disposal Facility is a federal *Comprehensive Environmental Response and Liability Act* landfill for the disposal of low-level and mixed low-level waste at the Hanford Site
- Constructed in 1995 with operations starting in 1996
- Additional disposal cells have been constructed over the years to include eight original size cells and two super cells
- The facility's disposal capacity with Cells 1 through 10 is 21 million tons, with 19 million tons received to date



Environmental Restoration Disposal Facility layout

Super Cell 11 Project

- Super Cell 11 planning began several years ago to ensure that disposal space is available for ongoing demolition and remediation activities
- Design was based on the proven design of Super Cells 9 and 10
- Cell construction began in 2025 and will add 2.8 million cubic yards of disposal space
- Work continued in 2026 with the installation of the double-layer liner and leachate collections systems
- The Leachate Monitoring System was upgraded for Cells 1 through 10
- Construction will complete and operations will begin in fiscal year 2027



Excavation



Mobilization of scrapers and heavy equipment



Initiation of soil scraping



Reached excavation depth on the east corner



98% complete with excavation and compaction

Construction



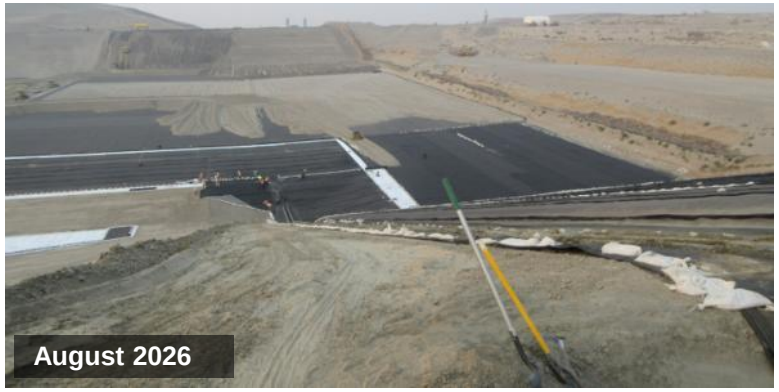
Compacted admix testing



Admix placement on the south slope



Secondary membrane and geotextile installation on the south slope



Operations layer installed on the south slope

Updates on 100 K Area Interim Safe Storage

Manuel L. Lopez, Project Facilities Division Engineer
Hanford Field Office

105 K West Background

- K East and K West Basins operated from 1955 to 1971
- Basins were later reactivated for storage of N Reactor fuel prior to processing at the PUREX Facility
- 2,100 metric tons of used nuclear fuel left stored underwater in K Basins when PUREX shut down in 1990
- Used nuclear fuel removed from basins from 2000 to 2004 and transported to Canister Storage Building
- K East Basin floor sludge transferred into three engineered containers in the K West Basin in 2007
- K West Basin floor and settler tube sludge vacuumed into three engineered containers in 2010
- Moved sludge and filter media to T Plant in 2020
- Characterized and staged debris in the basin in 2022
- Dewatered and grouted the storage basin in 2024
- Demolished the last major ancillary facilities in the West Area footprint in 2025



105 K West Demolition



Demolition of the Filter Building



Crew with the last basin-water tanker



Demolition of 100 K Water Treatment Plant



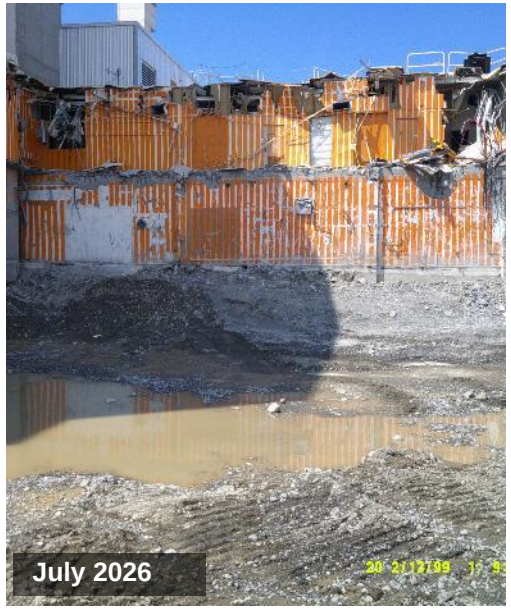
Demolition of Cold Vacuum Drying Facility and Maintenance shop

Complete Scope in Fiscal Year 2026

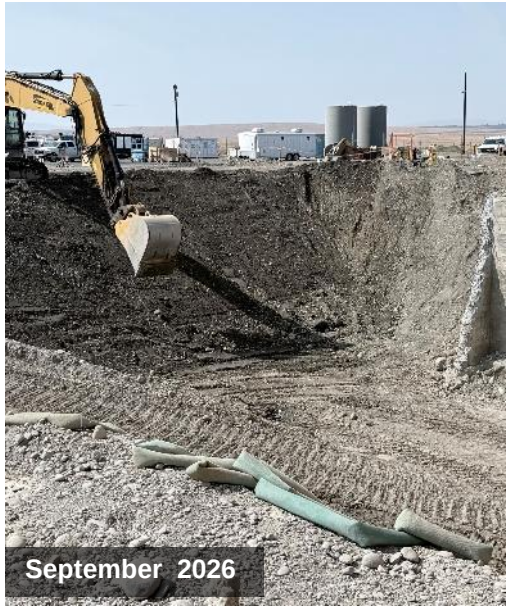
- Demolition of the reactor building stack
- Demolition of 105 K East and West wings
- Completed characterization and demolition preparation activities of the reactor basin superstructure



105 K West building stack demolition



East side office area demolition of the reactor area



Completed demolition of the valve pit

Planned Scope

- Complete Superstructure Demolition
- Complete demolition of the 105K West reactor building water tunnel (183.7KW)
- Complete below grade demolition of the 105K West Basin
- Complete waste site remediation and backfill in the Safe Storage Enclosure (SSE) footprint
- Complete construction of the SSE around the 105KW reactor building.



105K East Basin Demolition



105K East Safe Storage Enclosure Construction

Effluent Management Facility Evaporator Bottoms Grout Shipments

Justin Carter, Senior Technical Advisor, Tank Waste Operations
Hanford Field Office