Fluor Hanford
Waste Stabilization & Disposition Project

Spring 2008

Overview
- Provide waste-management services to Hanford’s cleanup contractors
- Certify and ship transuranic (TRU) waste to the Waste Isolation Pilot Plant (WIPP)
- Store high-activity cesium and strontium capsules and spent nuclear fuel
- Treat and dispose of mixed, low-level and low-level waste
- Treat and dispose of liquid effluent

The Challenge
- Retrieve suspect transuranic waste buried underground for nearly 40 years – highly degraded containers
- Treat and dispose of legacy, mixed, low-level waste
- Certify legacy transuranic waste at Hanford for disposal at the Waste Isolation Pilot Plant

Accomplishments
- Certified 3,000 cubic meters of TRU waste and made 400 shipments to WIPP, since 2000
- Retrieved 7,300 cubic meters of suspect TRU waste, since 2003
- Successfully treated North Loadout Pit sludge from K East Basin at T Plant, 2006
Dispositioned more than 6,500 cubic meters of mixed low-level waste, since 2002

Completed transferring Shippingport fuel from T plant to the Canister Storage Building, 2004

Treated and disposed of more than 500 million gallons of liquid waste at the 200 Area Effluent Treatment Facility and the 300 Area Treated Effluent Disposal Facility

Earned DOE’s Voluntary Protection Program Star of Excellence, 2006

What’s Next

Certify 300 cubic meters of waste for disposal at WIPP

Send at least two shipments per week of TRU waste to WIPP

Ship 500 cubic meters of mixed low-level waste to commercial providers of treatment services

Declare Canister Storage Building readiness to receive found, dried fuel from K basins, and safely receive it

Our Goal Is Zero Accidents!