

WASTE MANAGEMENT & ANALYTICAL SERVICES

Expectation:

Safely treat, store and dispose of solid wastes and liquid effluents; store cesium and strontium capsules; provide waste generator, environmental and waste minimization services; and integrate and provide analytical laboratory services to the Site.



Transuranic (TRU) Waste:

- The first three TRUPACT shipping containers were loaded and awaiting DOE and state of New Mexico approval for shipment to the Waste Isolation Pilot Plant.
- We continue to prepare TRU waste for shipment at the Waste Receiving and Processing Facility. We performed non-destructive examination of 590 drums, non-destructive assays of 563 drums, visual examinations of 25 drums, radiography on 27 boxes and repackaged 14 TRU-waste drums.
- Met a Tri-Party Agreement milestone by completing the project management plan for remote-handled TRU waste.



Drums of transuranic waste are carefully guided into a TRUPACT shipping container and capped. The shipping container is then sealed, ready for transport to New Mexico.

WASTE MANAGEMENT & ANALYTICAL SERVICES

Waste Treatment and Disposal:

- Processed 1.3 million gallons of high-level radioactive waste through the 242-A Evaporator. The record 99.7 percent operational efficiency – which means the evaporator ran almost non-stop – enabled us to complete the job in 12 days instead of 19.
- Shipped 990 cubic meters (708 containers) of mixed low-level waste – against our fiscal year 2000 target of 1,060 cubic meters – to the local Allied Technology Group facility for treatment. This effectively reduced the volume stored in Hanford’s Central Waste Complex by 1,670 cubic meters, 40 percent more than the amount shipped out due to waste over-packing and storage requirements. To date, 114 treated containers have been returned and disposed in Hanford’s mixed low-level waste trench.
- Disposed of 4,071 cubic meters of low-level waste from Hanford and offsite generators in the 200-Area low-level burial grounds thus far this fiscal year.



A nuclear chemical operator keeps the 242-A Evaporator running smoothly from this control room. The latest campaign removed 700,000 gallons of water from double-shelled underground waste tanks, reducing the volume of contaminated liquids on the Site to about 53 million gallons and providing critical support to DOE’s Office of River Protection.

WASTE MANAGEMENT & ANALYTICAL SERVICES

Analytical Services:

- 222-S Laboratory and Waste Sampling and Characterization Facility workers completed analysis and characterization of high-level waste in Tank AZ-102 and compatibility analyses on the contents of tanks U-106 and SY-102 in support of DOE's Office of River Protection.



What's Next:

- Begin shipping transuranic waste offsite.
- Continue preparations at T Plant for receiving spent-fuel sludge from the K Basins, including clearing off more of the canyon deck, initiating procurement of long-lead-time items and completing planning documents.
- Retrieve 425 drums of transuranic waste from the low-level burial grounds.
- Analyze the contents of two more high-level waste tanks to support tank characterization and retrieval for glassification.

One of two towers from the former Plutonium Uranium Extraction (PUREX) Facility leaves T Plant on its way to the low-level waste burial grounds. Removal of the towers, temporarily stored in T Plant since PUREX's deactivation in 1997, was part of clearing the T Plant canyon deck. The cells under three of the deck's 20 sections are slated for storage of sludges from the K Basins, and two of the cells are now ready.