

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 manage and integrate analytical services, optimizing use of onsite and offsite laboratories.

Transuranic (TRU) Waste:

- DOE's Carlsbad Area Office audited Hanford's ability to meet requirements to ship TRU waste to the New Mexico repository.
- In general, the auditors found our program adequate and its implementation satisfactory and effective. The Environmental Protection Agency is expected to recommend qualification for our TRU Project.
- Hanford's first shipment is planned for later this spring.
- In the meantime, we continue to prepare TRU waste for shipment at the Waste Receiving and Processing Facility. We performed non-destructive examinations of 339 drums, non-destructive assays of 273 drums, visual examinations of 25 drums and radiography of 25 boxes, and processed 29 drums through the low-level waste repackaging/compaction glovebox.



TRUPACT II casks like these used for worker training and public education will be used to safely transport Hanford's transuranic waste to the Waste Isolation Pilot Plant in New Mexico.

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Waste Treatment and Disposal:

- Shipped another 134 boxes totaling 525 cubic meters toward our fiscal 2000 target of sending 1,160 cubic meters of mixed low-level waste to a local firm for treatment. This represents an effective storage volume reduction in Hanford's Central Waste Complex of 1,150 cubic meters, nearly twice the amount shipped out, due to waste over-packing and storage requirements.
- Disposed of 1,650 cubic meters of low-level waste from Hanford and offsite generators in the 200 Area low-level burial grounds.



Mixed low-level waste is being treated at the local Allied Technology Group facility. ATG has already returned 25 treated containers for disposal in Hanford's mixed low-level waste trench.

Analytical Services:

- The Waste Sampling and Characterization Facility and 222-S Laboratories continue to provide reliable, quality analytical services. These analyses support a wide variety of cleanup projects across the Site, including the Office of River Protection (underground waste tanks).

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What's Next:

- Complete certification and begin shipping TRU waste from Hanford.
- Complete a project management plan for remote-handled TRU waste to meet a June 2000 Tri-Party Agreement milestone.
- Accelerate readiness to receive spent-fuel sludges from the K Basins at T Plant, including cleaning off the canyon deck and completing seismic analyses and planning documents.



Storage of K Basin sludges at T Plant will support the Spent Nuclear Fuel Project and protect the Columbia River.

Fluor Hanford

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