

RIVER CORRIDOR

Expectation:

Safely deactivate contaminated facilities, including several near the Columbia River, to reduce risk to workers and the environment while decreasing cost to taxpayers.

Uranium Disposition:

- Safely shipped 670 metric tons of surplus uranium trioxide powder to a DOE facility in Portsmouth, Ohio. This important element in cleanup of the Hanford Site removed about one third of the excess unirradiated uranium from the Site.

327 Building Deactivation:

- Packaged and shipped 32.5 cubic meters of bulk waste, exceeding our fiscal-year target.
- Packaged and shipped 103 legacy waste buckets to compliant storage, 28 more than planned this year.
- Packaged and shipped to the Central Waste Complex 90 percent of the 297 sample cans of radioactive materials from dry storage.



A framed and inverted funnel-like container called a T-hopper, filled with uranium oxide powder, is loaded for shipment to a DOE site in Portsmouth, Ohio. It took 147 T-hoppers to ship the 670 metric tons of powder. Another 235 metric tons in the form of billets will also be shipped. Of the nearly 1,900 metric tons of surplus unirradiated uranium at Hanford, the powder and billets are the only two forms deemed to have potential market value.



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327 Building Deactivation: *(continued)*

- Packaged and shipped eight fuel pin tubes as planned.
- Packaged and shipped all accountable fissile material from the hot cells.
- Completed interim cleanout of H Cell.

324 Building Cleanout:

- Shipped the first two steel waste-disposal boxes to the Central Waste Complex. Special steel boxes are being used to store grout containers that hold some of the more highly contaminated waste items and pieces of dismantled equipment from the Building's B Cell.
- Completed all 17 planned shipments of grout containers to compliant storage in the 200 Area.
- Shipped 80 of 88 backlog low-level waste drums to the 200 Area.



A steel waste disposal box containing transuranic mixed waste from the 324 Building's B Cell is loaded for shipment to the Central Waste Complex in the 200 West Area.

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Other Project Achievements:

- **Project workers achieved 1,250,000 safe work hours without a lost-time injury. The last lost-time injury was in December 1998.**
- **Completed closeout activities 10 days ahead of a state-imposed deadline and transferred full responsibility for surveillance and maintenance of the deactivated B Plant to the environmental restoration contractor, Bechtel Hanford.**
- **200-Area Accelerated Deactivation Project workers devised a comprehensive biological contamination cleanup procedure for two former research facilities, 242-B/BL and 231-Z, one of which had not been used in 30 years. The effort earned kudos from DOE observers and was cited as a major strength by Integrated Environment, Safety and Health Management System assessors.**
- **A Defense Nuclear Facilities Safety Board review of Hanford fire protection programs cited the excellence of those documented for the 324 and 327 facilities.**

What's Next:

- **Meet a key Tri-Party Agreement milestone, removing B Cell's mixed waste and equipment by November 30.**

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