



DEPARTMENT OF
ECOLOGY
State of Washington

Department of Ecology

March 2023- Cleanup Priorities Meeting
John Price, Tri-Party Agreement Section Manager

Tank Waste Retrieval and Treatment



- Ecology hopes for a settlement from the Holistic Negotiations
 - Our priorities will be in accordance with the settlement schedules.
 - We support the recent appropriations to complete high-level waste facilities.
 - We support the Direct-Feed Low-Activity Waste (DFLAW) start-up and processing.
- Ecology supports the 2,000 gallon Test Bed Initiative under the prior appropriation that DOE has carried over.

Central Plateau Priorities

- Prepare the draft Revision 9A Hanford Dangerous Waste Permit and issue for public comment in 2024.
- Tri-Party Agreement (TPA): Energy is looking at work in 3-year packages.
 - Existing TPA milestones are a priority for Ecology (next slide).

Treat/manage radioactive solid waste under existing TPA milestones

- Transuranic Mixed (TRUM) Waste Treatment
 - 2023-2025 Continue repackaging large boxes of TRUM waste stored outdoors at the Central Waste Complex (milestones M-091-53C, D and E).
 - 2024-2026 Complete the engineering design for a facility to re-package small TRUM containers, to prepare them for shipment to WIPP* (M-091-55 and 56) .
 - 2026 start certifying TRUM waste for shipment to WIPP (M-091-57).
- 2026 submit the 30% engineering design for a facility to convert reactive bulk sodium to non-reactive sodium hydroxide (M-092-09)
- Cesium and strontium capsules
 - 2025 complete transfer from WESF* to dry storage (M-092-21).
 - 2026 evaluate possible disposition pathways (M-92-20A).

*WIPP: Waste Isolation Pilot Plant

*WESF: Waste Encapsulation and Storage Facility

Possible New Priorities

- Decontamination, Dismantlement, Deactivation, and Decommissioning (D4)
 - This type of work maintains a stable workforce of D4 workers.
 - Makes progress towards removing & disposing of contaminated buildings.
 - Energy typically nominates buildings.
- Deep Vadose Zone
 - About 45 waste sites are in the 200-DV-1 operable unit.
 - Waste sites in other operable units have deep vadose zone contamination.
 - Energy is working on laboratory testing to identify technologies that could potentially immobilize or treat contamination in the deep vadose zone. (M-015-110E due 02/28/2026).
 - Ecology is interested in field tests of promising technologies.



Questions?

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