



Aerial view of the Integrated Disposal Facility at the Hanford Site, circa 2022.

The U.S. Department of Energy and contractor Central Plateau Cleanup Company are preparing the Integrated Disposal Facility at the Hanford Site in southeastern Washington state to receive vitrified (immobilized in glass) low-activity waste and mixed low-level waste from Hanford Site cleanup operations.

Background

The Integrated Disposal Facility (IDF) is a federal *Resource Conservation and Recovery Act* disposal facility constructed in 2006 that will accept low-level radioactive, hazardous and mixed wastes. It is in the 200 Area of the Hanford Site. The IDF contains two large double-lined disposal cells with a drainage system that collects potentially contaminated water from rain and dust-suppression activities, which has come in contact with the waste.

The IDF is approximately 1,500 feet wide, 765 feet long and 45 feet deep. The facility was designed to be expanded as needed. Waste received at the IDF must meet the waste acceptance criteria for disposal. Waste will be containerized and treated or stabilized before disposal. Efforts have been underway to complete drainage tank upgrades, procure operations equipment, and initiate hiring to align with Hanford's Waste Treatment and Immobilization Plant operations in 2024.

Mission

The IDF mission is to support Hanford's Direct-Feed Low-Activity Waste (DFLAW) Program through the safe disposal of vitrified low-activity waste and secondary waste from the Waste Treatment and Immobilization Plant, and waste from other Hanford operations. It is expected that the IDF will receive over 200,000 containers over its operational life. To support 24/7 DFLAW operations, the IDF will accept six to nine containers per day. The IDF can be viewed using the self-guided [Hanford Virtual Tour](#).



The pallet and transporter inspection buildings will be used for inspection and maintenance activities during operations.



Drainage system tank domes were installed in January 2023.



A special waste transporter will carry waste containers to the Integrated Disposal Facility during direct-feed low-activity waste operations.

