

Amended Record of Decision

Tank Closure and Waste Management Environmental Impact Statement for the Hanford
Site, Richland, Washington

Department of Energy
Office of Environmental Management

PUBLIC AVAILABILITY AND CONTACT INFORMATION:

This Amended Record of Decision (AROD) and the associated Supplement Analysis (SA) are available at: <https://energy.gov/nepa> and <https://www.hanford.gov/index.cfm?page=1117&>

For further information on this project, the AROD, or SA, please contact:

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The U.S. Department of Energy (DOE) announces its decision to amend the DOE 2013

Record of Decision (AROD) for the *Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington* (DOE/EIS-0391, December 2012) (TC&WM EIS).

DOE has decided to implement the proposal, described in the *Supplement Analysis of the Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington - Management of Pretreated Tank Waste from Tank AP-106* (DOE/EIS-0391-SA-06, 2026), to implement risk mitigation measures in the DOE Hanford Site 200 East Area (200E) to send up to 1.2 million gallons per year of pretreated waste from 200E to either the onsite treatment facility or off site to licensed and permitted commercial Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) facilities for treatment. In either case, the solidified waste would be disposed of at the commercial TSD facility outside the state of Washington. These measures would ensure that the flow of waste from the double-shell tanks (DSTs) in the 200E AP Tank Farm to AP-106 is not interrupted by a failure to process liquid out of AP-106. This would meet the near-term needs for retrieval of single-shell waste storage tanks (SSTs) in 200E.

The Proposed Action would either use existing facilities at the DOE Hanford Site 200E Effluent Management Facility (EMF) or implement temporary onsite facilities in 200E, which would be similar to the facilities implemented under the October 2025 DOE/EIS-0391-SA-05 for 200W Tank Waste Treatment, to load 5,000-gallon transportation

packages or tanker trucks for transporting the pretreated waste. The offsite transport, treatment, and disposal of tank waste would be similar to the actions evaluated in the *Supplement Analysis of the Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington - 200 West Area Tank Waste Treatment* (DOE/EIS-0391-SA-05, 2025); the *Supplement Analysis of the Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington - Offsite Secondary Waste Treatment and Disposal*. (DOE/EIS-0391-SA-03, 2023); and the *Final Environmental Assessment of the Test Bed Initiative Demonstration* (DOE/EA-2086, 2023). While the TC&WM EIS did not originally anticipate offsite treatment and disposal of tank waste, the volume of projected pretreated waste would be within the permitted capacity of the commercial TSD facilities and would not result in significant impacts. Implementation of the Proposed Action of this SA would facilitate compliance with the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement or TPA) without a significant increase in environmental impacts.

The TC&WM EIS evaluated potential environmental impacts from the emission of criteria pollutants, toxic pollutants, and carbon dioxide. The incremental increase in emissions related to the transportation of pretreated waste from 200E for treatment and out-of-state disposal would add less than one percent to the nonradiological emissions analyzed in the TC&WM EIS.

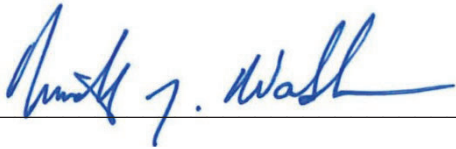
Transportation of pretreated liquid waste from 200E for treatment and/or disposal outside the state, as opposed to the onsite treatment and disposal evaluated in the TC&WM EIS, would transfer a portion of the potential normal operational health impacts from the Hanford Site workforce to workers at commercial TSD facilities. Additionally, the Proposed Action would not introduce any unique facility accidents that had not been evaluated in the TC&WM EIS (including previous SAs). Accordingly, radiological impacts and accident risk resulting from the Proposed Action would be comparable to those presented in the TC&WM EIS for treatment/disposal activities originally proposed for the Hanford Site.

The estimated radiological health risks to the public and transportation crews from transportation of solidified waste are low 0.38 and 0.23 latent cancer fatalities (LCFs), respectively, for the truck scenario (for solidified waste) for the approximate 10-year Proposed Action period. Potential radiological health risks for rail transport of the pretreated waste would be even smaller.

The pretreated waste would be treated and/or disposed of at appropriately licensed and permitted commercial TSD facilities within their permitted capacity and would not impact their current operations or commitments.

In accordance with NEPA and DOE's NEPA Implementing Procedures, DOE prepared this SA to evaluate whether the proposed change, and new circumstances and

information, require supplementing the existing TC&WM EIS or preparing a new EIS. DOE has considered all relevant information in this SA and the project record. DOE concludes that the changes to the Proposed Action are not substantial changes relevant to environmental concerns, nor are there substantial new circumstances or information about the significance of any adverse effect. Consistent with DOE's NEPA Implementing Procedures, Section 3.9, these changes do not require a new or supplemental EIS. No further NEPA documentation is required.



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Timothy J. Walsh
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for Environmental Management