

**DETERMINATION OF SIGNIFICANCE
AND NOTICE OF ADOPTION OF
EXISTING ENVIRONMENTAL DOCUMENTS**

Description of Current Proposal:

The U.S. Department of Energy (USDOE) requested a Dangerous Waste Regulations (DWR, Washington Administrative Code (WAC) Chapter 173-303) permit modification to close 7 Hazardous Waste Management Act (HWMA) Dangerous Waste Management Units. USDOE proposes to close the units because they are no longer needed for hazardous waste storage. The 7 units are located at the Hanford Site (Benton County) T Plant and the Central Waste Complex (CWC).

At the 277-T Building, 211-T Pad, 271-T Cage and 2401-W Waste Storage Building, a site-specific decontamination method will be used. Chip sampling and analysis of the concrete will be done to measure the effectiveness of the site-specific decontamination method and to confirm that closure performance standards are met for the concrete. A focus sample approach of the soil beneath the concrete will be used to confirm closure performance standards are met for the soil.

At the 221-T Sand Filter Pad, 221-T Railroad Cut, and the asphalt pad associated with the 277-T Outdoor Storage Area (OSA), an area-wide grid sampling approach will be used to sample and analyze the soil to confirm that closure performance standards are met for the soil. The two concrete pads associated with the 277-T OSA will be decontaminated using a site-specific decontamination method. Chip sampling and analysis of the concrete pads will be done to measure the effectiveness of the site-specific decontamination method and to confirm that closure performance standards are met for the concrete. A focus sampling approach of the soil beneath the concrete pads will be used to confirm closure performance standards are met for the soil.

Proponent:

U.S. Department of Energy, Richland Operations Office, Richland, Washington

Location of current proposal:

U.S. Department of Energy, Hanford Site, Benton County, Washington

Title of document being adopted:

Final Tank Closure & Waste Management (TC&WM) Environmental Impact Statement (EIS)
(DOE/EIS-0391)

Agency that Prepared Document Being Adopted:

U.S. Department of Energy

Date adopted document was prepared:

December 5, 2012

Description of document (or portions) being adopted:

State Environmental Policy Act (SEPA) rules define "Elements of the environment" to include in SEPA review (WAC 197-11-444). With this notice Ecology is adopting those portions of the TC&WM EIS that describe the affected elements of the existing environment:

- 3.2.1.1 Land Use
- 3.2.1.2 Visual Resources
- 3.2.2.1 Ground Transportation
- 3.2.9.4 Local Transportation
- 3.2.2 Infrastructure
 - 3.2.2.2 Electricity
 - 3.2.2.3 Fuel
 - 3.2.2.4 Water
- 3.2.3 Noise and Vibration
- 3.2.4 Air Quality
- 3.2.5 Geology and Soils
- 3.2.6 Water Resources
- 3.2.7 Ecological Resources
- 3.2.8 Cultural and Paleontological Resources
- 3.2.9.3 Housing and Community Services
- 3.2.10 Existing Environmental Health Risk

Waste Management Alternative 1: No Action analyzed storing in the CWC non-CERCLA, non-tank low level waste (LLW) and mixed low level waste (MLLW), then disposing it in Low Level Burial Ground (LLBG) 218-W-5, trenches 31, and trenches 34. Ecology is adopting the Waste Management Alternative 1 and the supporting analysis in the TC&WM EIS.

The document being adopted is available:

Online at <http://www.hanford.gov/page.cfm/FinalTCWMEIS>

EIS Required:

Ecology has determined that this proposal is likely to have a probable significant adverse impact on the environment. To meet the requirements of the RCW 43.21C.030(2)(c), Ecology is adopting the portions of the document described above. Under WAC 197-11-360, there will be no scoping process for this EIS.

Ecology identified and adopted the portions of this document identified in above as being appropriate for this proposal after independent review. The lead agency will not act on this proposal until completion of the public comment period on the DWR permit modification, in accordance with WAC 173-303-840.

Name of agency adopting document:

State of Washington Department of Ecology, Nuclear Waste Program

Responsible Official:

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Date: November 25, 2019

Signature: John B. Price