

Permit Changes Proposed for Hanford Dangerous Waste Management Area

The U.S. Department of Energy-Richland Operations Office (DOE-RL) is holding a 60-day comment period on a proposed change to the Hanford Facility's dangerous waste permit. This change proposes that the 276-BA Organic Storage Area, consisting of the International Organization for Standardization (ISO)-East storage tank and secondary containment structure, be clean closed by removing the storage tank and secondary containment structure, including up to one meter of soil beneath the structure.

April 2016

U.S. Department of Energy

Background

The 276-BA Organic Storage Area is located in a secure fenced area in the northeast portion of the B Plant Complex in the 200 East Area of the Hanford Site.

Historically, the 276-BA Organic Storage Area was part of the Organic Mixed Waste Storage System, which was used for chemical processing and to store organic chemicals used in the recovery and purification of strontium.

The 276-BA Organic Storage Area consists of the ISO-East storage tank and secondary containment structure. The secondary containment structure has two separate compartments. The east compartment contains the ISO-East storage tank, which received organic tank waste from the B Plant Organic Mixed Waste Storage System. In November 1997, the waste inside the tank was pumped out and sent for disposal. The west compartment is empty and was never used for dangerous waste storage or treatment.

In addition, the tank never managed waste at its current location. It was moved to B Plant as a compliant shipping container after it was sealed. Therefore, no contamination is expected to be found beneath the tank.

Class 3 Modifications:

Class 3 permit modifications address changes that substantially alter a facility or its operations.

Class 3 modifications require two public participation opportunities:

- 1.) **DOE Comment Period:**
(Happening now)
A minimum 60-day public comment period on the permit modification request, including a public meeting.
- 2.) **Ecology Comment Period:**
(To occur at a later date)
A minimum 45-day public comment period on the permitting decision.



The ISO-East tank currently contains less than two gallons of washed organic residues consisting of normal paraffin hydrocarbons (NPH), di-(2-ethylhexyl) phosphoric acid (D2EHPA) and tributyl phosphate (TBP).

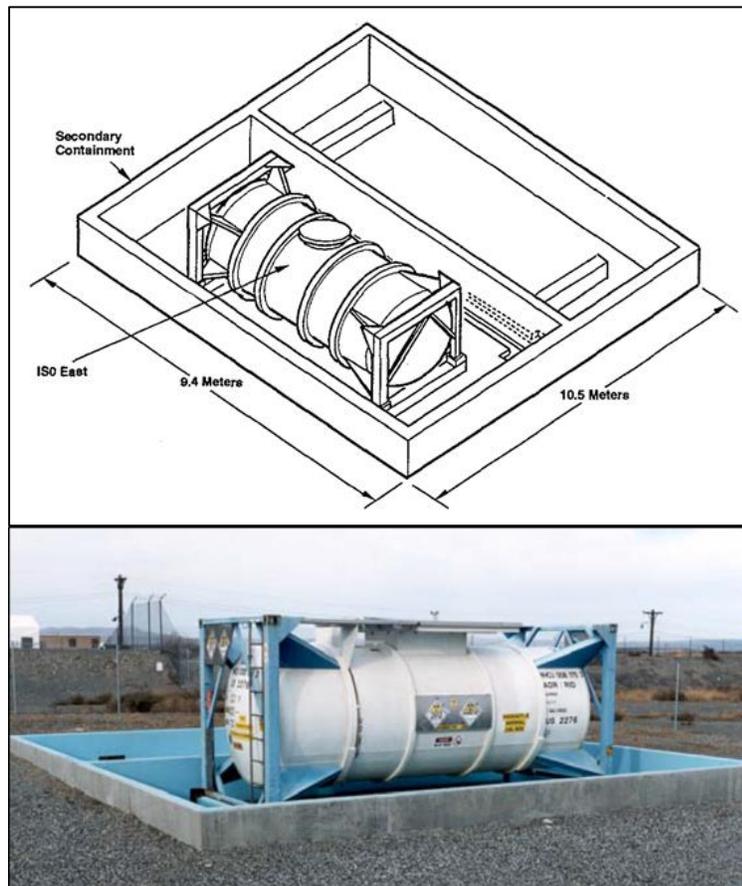
Note: International Organization for Standardization (ISO) is an international standard for design and construction of storage containers. ISO tanks are made of stainless steel and are surrounded by several types of protective layers.

Proposed Closure Strategy

Under the proposed closure plan, clean closure will be achieved by:

- Adding an absorbent to stabilize the remaining liquid waste in the tank (if found).
- Removing the tank intact to the Environmental Restoration Disposal Facility (ERDF).
- Flood grouting the interior of the tank at ERDF prior to final disposal.
- Demolishing, containerizing and disposing of the secondary containment structure at ERDF.
- Excavating soil beneath the structure up to 3 feet, containerize and dispose at ERDF. The soil will be removed to allow for excavation equipment to remove the slab on which the tanks sits.
- Focused sampling of the site is proposed due to the relatively small size of the secondary containment structure. Sampling locations are concentrated at concrete joints.

The closure plan proposes clean closure activities will be completed within 180 days of the start date. The diagram below provides a schematic of the ISO-East tank.



The ISO-East tank.

The DOE-RL contact person for this permit modification request is Kristen Holmes, (509) 376-5803. The Washington Department of Ecology contact person is Stephanie Schleif, (509) 372-7929.

The permittees' compliance history, during the life of the permit being modified, is available from Ecology. Copies of the permit modification request and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland, WA.

Alternatively, the proposed permit modification and supporting documents can be accessed online:
<http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0077214H>

How you can get involved

Comment period – April 25 through ~~June 24, 2016~~ **August 6, 2016**
 Public meeting – May 17, 5:30 p.m., Richland Library (955 Northgate Drive)
Please submit comments by ~~June 24, 2016~~, **August 6, 2016, to:**



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The documents are available for review at the Public Information Repositories listed below

HANFORD PUBLIC INFORMATION REPOSITORY LOCATIONS

Portland

Portland State University Library
 Government Information
 Branford Price Millar Library – LIBW
 PO Box 1151
 Portland, OR 97207-1151
 Attn: Claudia Irla (503) 725-4542
 Map: <http://bit.ly/1K7BfuK>

Seattle

University of Washington
 Suzzallo Library
 Box 352900
 Seattle, WA 98195-2900
 Attn: Hilary Reinert c/o ARCS
 (206) 543-5597
 Map: <http://bit.ly/1QMtUog>

Richland

U.S. Department of Energy Public Reading Room
 Washington State University, Tri-Cities
 Consolidated Information Center, Room 101-L
 2770 University Drive
 Richland, WA 99352
 Attn: Janice Scarano (509) 375-7443
 Map: <http://bit.ly/1LpZKUa>

Spokane

Gonzaga University
 Foley Center Library
 East 502 Boone Avenue
 Spokane, WA 99258
 Attn: John Spencer (509) 313-6110
 Map: <http://bit.ly/1Cp0mRT>

Administrative Record and Public Information Repository

2440 Stevens Center Place, Room 1101, Richland, WA
 509-376-2530

<http://pdw.hanford.gov/arpir/>



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