

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 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.

March 2016

U.S. Department of Energy

Background

The 276-BA Organic Storage Area is located 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.

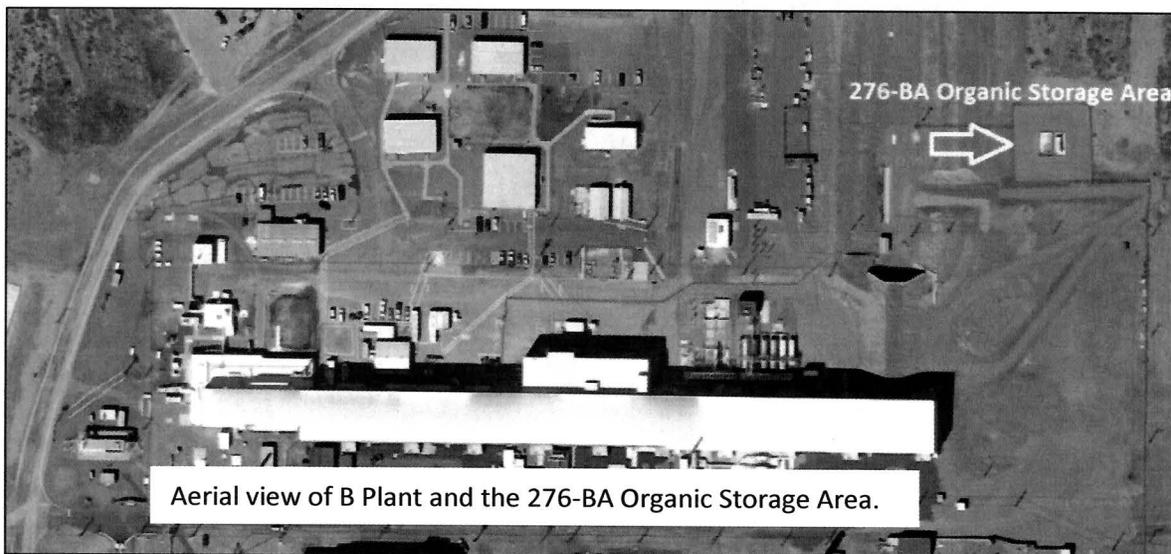
The 276-BA Organic Storage Area consists of the ISO-East storage tank and secondary containment structure. The secondary containment structure has two separate compartments. The east compartment contains the ISO-East storage tank. This tank received organic tank waste from the B Plant Organic Mixed Waste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

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:

- A minimum 60-day public comment period on the permit modification request, including a public meeting.
- A minimum 45-day public comment period on the permitting decision.



Aerial view of B Plant and the 276-BA Organic Storage Area.

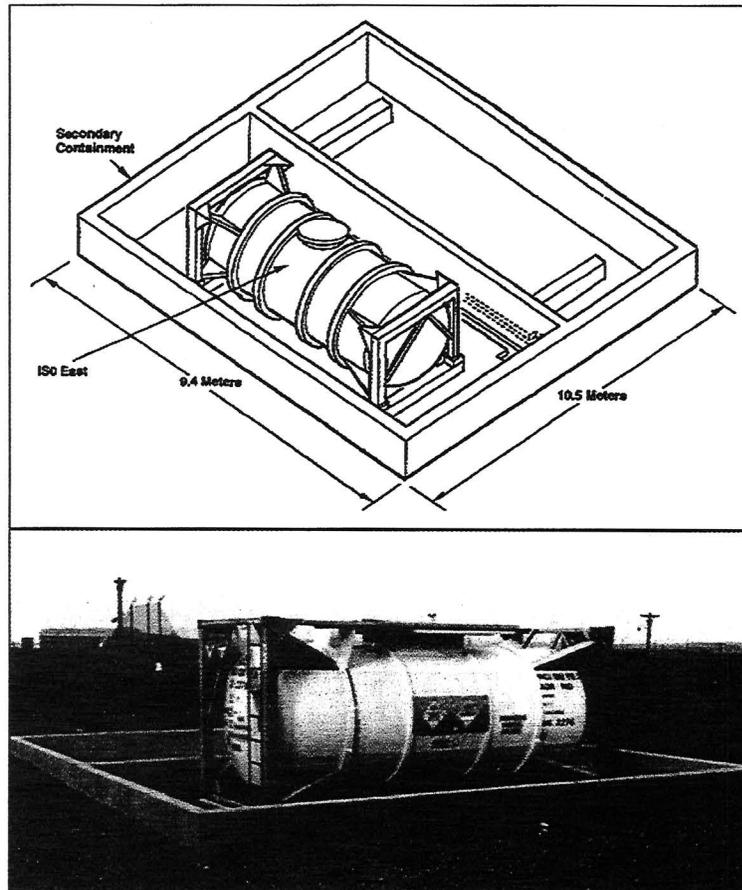
The ISO-East tank currently contains less than two gallons of washed organic residues consisting of normal paraffin hydrocarbons (NPH), di-(2-ethylhexyl) phosphoric acid (D2EHPA) and tributyl phosphate (TBP).

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).
- Remove the tank intact to the Environmental Restoration Disposal Facility (ERDF).
- Interior of tank will be flood grouted at ERDF prior to final disposal.
- Secondary containment structure will be demolished, containerized, and disposed at ERDF.
- Soil beneath the structure will be excavated up to 3 feet, containerized and disposed at ERDF.
- 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 ISO-East tank.

The DOE-RL contact person for this permit modification request is Kris 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:
Insert AR link here

How you can get involved

Comment period – April 25 - June 24, 2016.

Public meeting – May 17, 5:30 pm, Richland Library (955 Northgate Drive)

Please submit comments by *June 24, 2016* to:



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