

Public Comment Period on Updates to Permit for Waste Management at the 325 Hazardous Waste Treatment Units (HWTUs)

September 2014

U.S. Department of Energy

The U.S. Department of Energy Richland Operations Office (DOE-RL) is holding a 60-day comment period on proposed Class 3 modifications to the Hanford Facility Dangerous Waste Permit. The proposed changes add waste treatment and storage capacity at the 325 Hazardous Waste Treatment Units (HWTUs).

BACKGROUND

The Department of Energy, Richland Operations Office (DOE-RL) and Pacific Northwest National Laboratory (PNNL) have filed a temporary authorization request with the Washington State Department of Ecology. DOE-RL and PNNL seek to treat and store a limited amount of waste in new units being added to the 325 Hazardous Waste Treatment Units (HWTUs) located in the 300 Area of the Hanford Site.

The proposed Class 3 modifications add three new discrete portions of the Radiochemical Processing Laboratory (RPL or 325 Building) as areas where permitted storage and treatment of waste may occur. The modification revises the unit-specific conditions and each Addendum (except for the contingency plan) for the 325 HWTUs. Along with the addition of the units, other conforming changes are also being made. A temporary authorization request was also submitted in order to treat and store wastes while the permit modification process proceeds.

Class 3 Permit Modifications: Updates to the Hanford Facility Dangerous Waste Permit, such as substantial alteration of the facility or its operation. All Class 3 modifications require approval from the Washington State Department of Ecology.



The modification includes:

Addition of Units:

The Permittees, DOE-RL and Pacific Northwest National Laboratory (PNNL), are adding three units to the permitted 325 HWTUs. These new units are needed to enable the treatment of waste by placing waste containers in large boxes and filling them with cement. This treatment is sometimes required by Hanford's waste acceptance criteria for burial and/or the Washington Dangerous Waste Regulations.

The units being added are:

Cask Handling Area:

A portion of Room 603 and 604A in RPL. This area has a heavier floor loading limit and a large capacity bridge

PUBLIC COMMENT

DOE-RL wants your feedback on these proposed modifications. The public comment period will run from **August 18 through October 17, 2014**. A public meeting will be held on September 4, 2014 at 6:30 p.m., at the PNNL Environmental Technology Building, 3200 Innovation Boulevard, Richland, WA 99354.

Public Comment Period on Updates to Permit for Waste Management at the 325 Hazardous Waste Treatment Units (HWTUs) continued



325 Hazardous Waste Treatment

crane. This unit would be used to load heavy waste containers in larger containers or boxes and temporarily store these larger containers.

Truck Lock:

Room 610 in RPL, adjacent to Room 603. This area is built on grade with heavy concrete and has a large roll-up door and truck ramp. The Truck Lock would be used when heavy containers or boxes are being filled with grout and for storage of those containers. It can also be used to pre stage shipments of waste containers to Hanford pending pickup.

3714 Pad:

This is the concrete foundation pad for the former 3714 Building northeast of RPL; 3714 was demolished in 2000. This pad and adjacent soil area will be used to stage waste boxes and containers for shipment. Staging/storage in this area allows the waste to be out of Laboratory operational areas

while awaiting shipment and also facilitates easy inspection.

Because placement of containerized waste in boxes increases the volume of the waste to the size of the box, the stated capacity of the 325 HWTUs is being significantly increased. This increase is intended to facilitate the operations in the units being added. The Permittees are not expanding the scope of 325 HWTUs operations, which is focused on waste management for PNNL research activities.

Highlights of Other Changes:

The 325 HWTUs permit addenda are being revised to add enforceable details in a few areas:

Security and Preparedness and Prevention Addenda:

References to outdated documents were replaced with current, unit-specific text.

Public Comment Period on Updates to Permit for Waste Management at the 325 Hazardous Waste Treatment Units (HWTUs) continued

Training Addendum:

Retraining frequencies are added for each class of coursework required. This was maintained in the training plan, but is now in the permit.

The DOE-RL contact for this permit change is Kristen Skopeck, (509) 376-5803. The Washington State Department of Ecology contact is Stacy Nichols, (800) 321-2008.

Closure Plan Addendum:

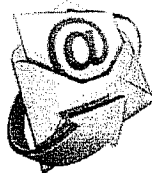
Clarifies that all 325 HWTUs container storage areas utilize a similar approach when closing, whether the rest of the 325 HWTUs is closing or not. This is called "partial closure". The hot cells and tank are now linked for closure due to engineering changes that make clean closure of either the hot cells or the tank dependent on the other.

The permittees' compliance history during the life of the permit being modified is available from the Ecology contact.

Copies of the proposed permit modification and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland.

How you can become involved

A 60-day public comment period on proposed Class 3 modifications to Part III of Hanford's Dangerous Waste Permit will run from **August 18 through October 17, 2014**. A public meeting will be held **September 4, 2014** from 6:30 p.m. at the PNNL Environmental Technology Building, 3200 Innovation Boulevard, Richland, WA 99354. **Comments should be submitted by October 17, 2014 to:**



Stacy Nichols
Washington Department of Ecology
3100 Port of Benton Boulevard
Richland, WA 99354
Email: Hanford@ecy.wa.gov



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

<p>Portland State University Government Information Branford Price Millar Library 1875 SW Park Avenue Portland, OR 97207-1151 Attn: Claudia Weston (503) 725-4542 Map:http://www.pdx.edu/map.html</p>	<p>University of Washington Suzzallo Library Government Publications Dept. Box 352900 Seattle, WA 98195-2900 Attn: Hilary Reinert (206) 543-5597 Map: http://iinyurl.com/m8ebj</p>	<p>US. Department of Energy Public Reading Room Washington State University, Tri Cities Consolidated Information Ctr., Rm. 101-L 2770 University Drive Richland, WA 99352 Attn: Janice Parthree (509) 372-7443 Map:http://www.tricity.wsu.edu/campusmaps/campusmap.pdf</p>	<p>Gonzaga University Foley Center Library East 502 Boone Avenue Spokane, WA Attn: John Spencer (509) 313-6110 Map:http://iinyurl.com/2c6bom</p>
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Administrative Record and Public Information Repository:
Address: 2440 Stevens Center Place, Room 1101, Richland, WA.
Phone: 509-376-2530 Web site address: www2.hanford.gov/argir/