

Public comment period on updates to permit for groundwater monitoring and well management at central Hanford facilities

The U.S. Department of Energy Richland Operations Office (DOE-RL) is holding a 60-day comment period on proposed Class 2 modifications to the Hanford Facility Dangerous Waste Permit. The proposed changes are to general permit conditions for groundwater monitoring, revisions to permit plans, and revisions to the Groundwater Monitoring Plan at the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF/ETF).

January 2014

U.S. Department of Energy

Background

Proposed Class 2 modifications include:

- Changes to the general permit conditions addressing groundwater monitoring (Permit Conditions II.F)
- Deletion of Permit Attachment 10 (*Purgewater Management Plan*)
- Revisions to Permit Attachment 8 (*Well Maintenance and Inspection Plan*)
- Updates to groundwater monitoring at the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF/ETF)

The proposed modifications include updating the unit-specific conditions and an addendum of the LERF/ETF permit.

A complete revision to the LERF/ETF groundwater monitoring plan is proposed, which would include the identification of a new groundwater monitoring well.



Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

Class 2 Permit Modifications: Updates to the Hanford Facility Dangerous Waste Permit, such as response to new regulations, technological advancements, and variations in waste types or quantities. All Class 2 modifications require approval from the Washington Department of Ecology.



DOE-RL wants your feedback on these proposed modifications. The public comment period will run from **January 6 through March 7, 2014**. A public meeting will be held February 11, 2014, at the Richland Public Library from 5:30-6:30 p.m.

General Permit Conditions (II.F)

Changes are proposed to the general permit conditions to address groundwater monitoring. The changes are proposed to update groundwater monitoring practices on the Hanford Site. The majority of the current II.F permit conditions address well decommissioning at Hanford. The well decommissioning process is now complete, and the wells are compliant with permit conditions. The permittees, DOE-RL and CH2M HILL Plateau Remediation Company (CH2M HILL), have worked with the Washington Department of Ecology (Ecology) to develop conditions that address the inspection, maintenance, and remediation of the Resource Conservation and Recovery Act (RCRA) compliant monitoring wells that exist on site, as well as addressing new wells that will be installed as required by unit-specific permits.

Purgewater Management Plan

DOE-RL and the CH2M HILL are requesting a Class 2 modification to delete the *Purgewater Management Plan*. The plan has been superseded by the *Hanford Site Strategy for Management of Investigation Derived Waste* (DOE/RL-2011-41, Revision 0), signed by the U.S. Environmental Protection Agency and Ecology in April 2011. Purgewater at Hanford is now being managed under that plan; therefore, this attachment is no longer needed to manage any waste.

Hanford Well Inspection Maintenance Plan

DOE-RL and CH2M HILL are proposing a complete modification of Permit Attachment 8 of the *Hanford Well Maintenance and Inspection Plan*. These changes focus the Maintenance and Inspection Plan on current Hanford Site well maintenance practices, propose an updated schedule for well inspections, and outline well inspection criteria. DOE-RL and CH2M HILL are proposing an entire replacement of the document, not specific section changes.

LERF/ETF Groundwater Monitoring Plan

DOE-RL and CH2M HILL are proposing groundwater monitoring changes to LERF/ETF, a waste water storage and treatment system in the 200 East Area (in the center of the Hanford Site). The system receives process waste water from the 242-A Evaporator, contaminated Hanford Site groundwater, and waste water from other Hanford remediation and waste management activities. The LERF consists of lined surface basins. Water from LERF is pumped to ETF for treatment to remove contaminants.

DOE-RL and CH2M HILL are requesting a Class 2 modification to replace the current LERF/ETF Groundwater Monitoring Plan with an updated version. The new plan updates the monitoring network to align with current groundwater flow direction there, changes the monitoring indicating parameters, and changes sampling frequency. The plan also identifies the need for a new monitoring well downgradient of one of the LERF basins.

In addition to the groundwater monitoring plan updates at LERF/ETF, DOE-RL and CH2M HILL have worked with Ecology to propose groundwater monitoring conditions that are consistent with recently proposed conditions by Ecology during the comment period for Rev. 9 of the RCRA permit. These conditions require an additional monitoring well to be installed by 2015 and a future permit revision once the new monitoring well is installed.

The DOE-RL contact for this permit change is Kim Ballinger, (509) 376-6332. The Ecology contact is Andrea L. Prignano, (509) 372-7950.

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 2 modifications to Part III of Hanford's Dangerous Waste Permit* will run from **January 6 through March 7, 2014**. A public meeting will be held February 11, 2014, at the Richland Public Library from 5:30-6:30 p.m. **Please submit comments by March 7, 2014, to:**



Andrea L. Prignano
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3100 Port of Benton Boulevard
Richland, WA 99354
Email: Hanford@ecy.wa.gov



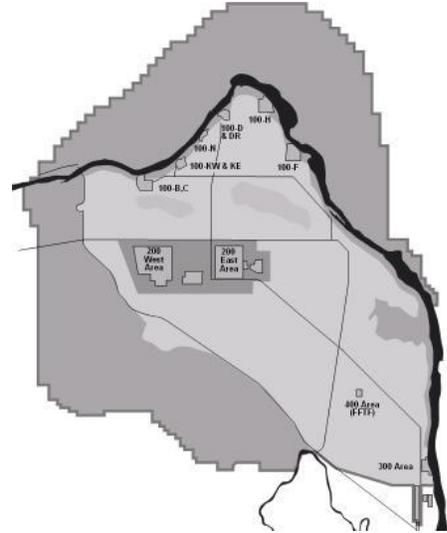
The documents are available for review at the Public Information Repositories listed below.

<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://tinyurl.com/m8ebj</p>	<p>US. Department of Energy Public Reading Room Washington State University, Tri Cities Consolidated Information Ctr., Rm. 101-L 2770 Crimson Way 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 99258 Attn: John Spencer (509) 313-6110 Map:http://tinyurl.com/2c6bpm</p>	<p>Ecology Nuclear Waste Program Resource Center 3100 Port of Benton Blvd. Richland, WA 99354 Attn: Valarie Peery 509-372-7950 Online: http://www.ecy.wa.gov/programs/nwp/commentperiods.htm</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:** <http://pdw.hanford.gov/arpir/>

Hanford Public Involvement Opportunity

We want to hear from you on the proposed permit modifications for the Hanford Site!



Class 2 Permit Modification Fact Sheet
U.S. Department of Energy
Richland Operations Office
P.O. Box 550, A7-75
Richland, WA 99352