

# WTP Permit Change Proposed for Analytical Laboratory Operations

The U.S. Department of Energy (DOE) Office of River Protection (ORP) and Bechtel National, Inc. (BNI) are holding a 60-day public comment period on a proposed modification to the Hanford Waste Treatment and Immobilization Plant (WTP) Dangerous Waste Permit. This proposed permit change provides the operating permit information and draft conditions to support WTP Analytical Laboratory (Lab) Operations.

July 2017

U.S. Department of Energy – Office of River Protection

## Background

The Hanford Site is located in southeastern Washington State along the Columbia River. The 580 square-mile site was created in 1943 as part of the Manhattan Project to produce plutonium for the nation's defense program. Hanford's legacy defense waste is stored in 177 underground tanks containing approximately 56 million gallons of high-level radioactive and dangerous waste. Most of the tanks are beyond their engineered design life, and some have leaked in the past.

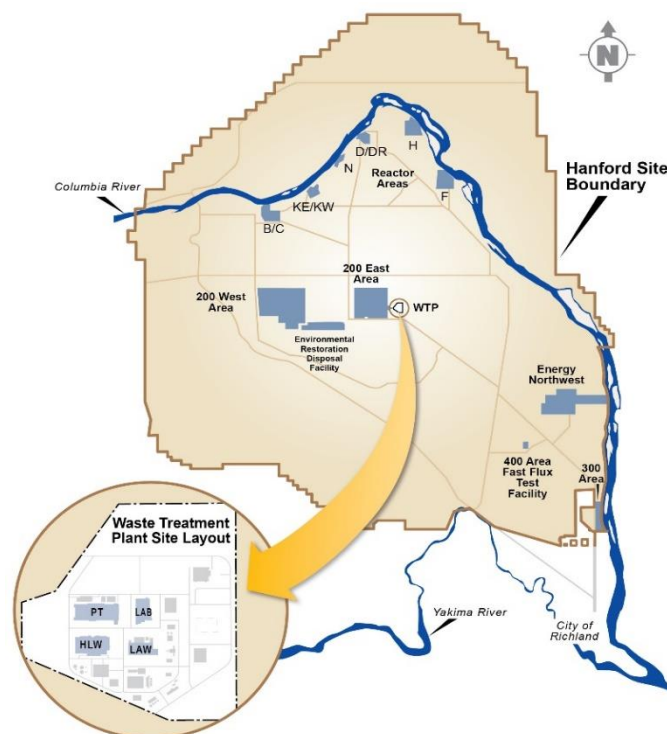
## Waste Treatment Plant

The Waste Treatment and Immobilization Plant (WTP) is located on approximately 65 acres in the center of the Hanford Site. In the Direct Feed Low-Activity Waste (DFLAW) configuration, WTP will receive pretreated tank waste from the Low-Activity Waste Pretreatment System (LAWPS), that will be immobilized (formed into glass) in the Low-Activity Waste (LAW) Facility.

The Washington State Department of Ecology (Ecology), ORP, and BNI have used a phased approach to permit the WTP since September 2002. As Permittees, ORP and BNI have submitted technical documents and design information on a schedule to allow for construction of the rest of WTP and to complete the permit application. The Lab is the first WTP facility to reach the final phase of WTP permitting. In this phase, the Permittees are submitting the outstanding operational details and proposed permit conditions as a Class 3 permit modification.

## Analytical Laboratory Operations

This permit modification provides operating details for the Lab under the DFLAW configuration. Two types of waste management units (container storage area and tank systems) are located in the Lab. Secondary containment is provided as required for tank systems managing dangerous or mixed waste.



## Public Comment Period

We welcome your feedback on this proposed modification. The public comment period is scheduled to run from **July 3, 2017 through September 1, 2017.**

A public meeting is scheduled for **Thursday, August 3, 2017 at 5:30 p.m.**, at the Richland Public Library, 955 Northgate Drive, Richland, WA. The meeting will also be accessible via webinar. To register, go to <https://attendee.gotowebinar.com/register/7109688858667678722> (Webinar ID: 407-533-971).

Ecology and the Permittees participated in a series of facilitated workshops to determine the design and scope of an integrated operating permit. The result of these workshops was the development of Lab Operating Permit Conditions Section III.10.L, which is proposed in this Class 3 Modification for addition to the existing WTP Dangerous Waste Permit (DWP). The current WTP DWP contains design information (i.e., technical specifications in the WTP DWP appendices) related to construction of the Lab. The design information in the WTP Permit is being replaced by the operating information provided with this modification. As Ecology reviews this modification for completeness, they will determine what existing Lab design information should be removed from the permit. The design information that is removed from the permit will be maintained in the unit-specific operating record.

### Permit Modification Scope

The Permittees are seeking approval from Ecology to incorporate the outstanding operational information for the Lab in the DFLAW configuration.

### Documents Included with Modification

This modification is being submitted as a Class 3 modification in accordance with WAC 173-303-830(4)(c)(i-v). A summary of the documents provided with this modification include:

#### Permit Chapters

- [Chapter 4H](#), Analytical Laboratory
- [Chapter 6A](#), Inspection Plan
- [Chapter 8](#), Personnel Training

These chapters were revised to incorporate operating requirements for the Lab. The listed permit chapters above were among the permit chapters that were modified with the EMF Secondary Containment Permit Modification (24590-BOF-PCN-ENV-15-002). The second public comment period for 24590-BOF-PCN-ENV-15-002 started on May 22, 2017, and is scheduled to end on July 7, 2017. The concurrent public comment periods have resulted in some overlap of changes in these three chapters. To address the parallel reviews of the permit chapters, the Permittees have shaded (in gray) all of the changes that are proposed for the EMF Secondary Containment Permit (May 22 thru July 7). Changes affecting the Lab Operating Permit are denoted in redline/strikeout. Comments for this public comment period should be on the redline/strikeout portion.

### Comment Submission

A 60-day public comment period is scheduled to begin **July 3** and continue through **September 1, 2017**. We welcome your input by mail or email (preferred) by **September 1**, to:



Dan McDonald  
Washington State Department of Ecology  
3100 Port of Benton Boulevard  
Richland, WA 99354  
Email: <http://wt.ecology.commentinput.com/?id=KukbP>  
Phone: (509) 372-7950

A public meeting is scheduled for **August 3, 2017, at 5:30 PM** at the Richland Public Library, 955 Northgate Drive. The meeting will also be accessible via webinar. To register, go to <https://attendee.gotowebinar.com/register/7109688858667678722> (Webinar ID: 407-533-971).

### Other Supporting Information:

- Permit Conditions Section III.10.L are being proposed for addition into the permit to reflect Lab Operating Permit requirements. These conditions were prepared in coordination with Ecology and are being provided to the public for review to support the first part of the Class 3 Permit Modification. Input received during the first public comment period will help Ecology as they draft, and eventually finalize, the permit conditions to support the second public comment period for this Class 3 Permit Modification.
- Updated Permit Condition Tables are provided for Table III.10.E. D and III.10.E.P to reflect the current operations information for the Lab. The information in these tables is also provided in Chapter 4H of this permit modification.

### Public Review Process

A 60-day public comment period is scheduled for **July 3, 2017** through **September 1, 2017**. A public meeting is scheduled for **August 3, 2017** at the Richland Public Library (955 Northgate Drive). The meeting will also be accessible via webinar. To register, go to <https://attendee.gotowebinar.com/register/7109688858667678722> (Webinar ID: 407-533-971).

At the conclusion of the 60-day public comment period, Ecology will perform a completeness determination and technical review and technical as detailed in WAC 173-303-840 and address public comments received by preparing a response-to-comments document.

Copies of the proposed modification and supporting documentation will be available during the public comment period online at <http://www.hanford.gov/pageAction.cfm/calendar?&IndEventID=8177> or <http://www.ecy.wa.gov/programs/nwp/commentperiods.htm>. Copies may also be viewed at the Hanford Public Information Repository locations listed below.

### Contact Information

Submit written comments on the proposed WTP Permit modification by **September 1, 2017** to Dan McDonald, Ecology, at <http://wt.ecology.commentinput.com/?id=KukbP>. For additional information, contact Dieter Bohrmann, ORP, at [Dieter G Bohrmann@orp.doe.gov](mailto:Dieter_G_Bohrmann@orp.doe.gov).

#### Hanford Public Information Repositories

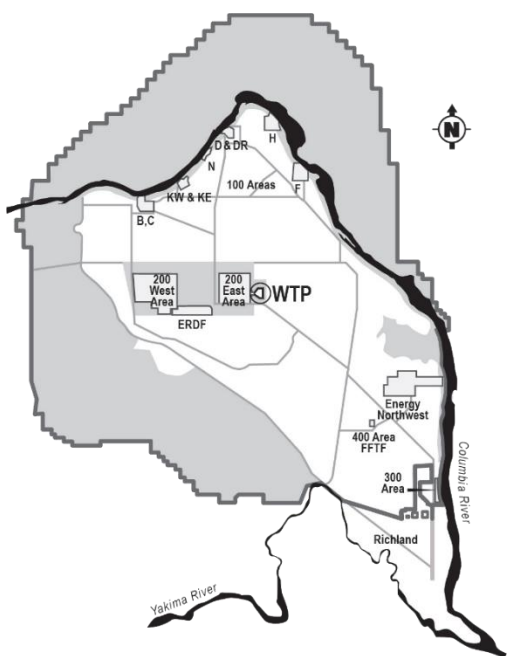
<p><b>Portland State University</b> Government Information Branford Price Millar Library 1875 SW Park Ave Portland, OR 97207-1151 Attn: Bertrand Robinson (503) 725-4128 Email: <a href="mailto:brobins@pdx.edu">brobins@pdx.edu</a></p> <p>Map: <a href="http://www.pdx.edu/map.html">www.pdx.edu/map.html</a></p>	<p><b>University of Washington</b> Suzzallo Library Government Publications Department Box 352900 Seattle, WA 98195-2900 Attn: Hilary Reinert (206) 685-3130 Email: <a href="mailto:cass@uw.edu">cass@uw.edu</a>; <a href="mailto:reinerth@uw.edu">reinerth@uw.edu</a></p> <p>Map: <a href="http://www.tinyurl.com/m8ebj">www.tinyurl.com/m8ebj</a></p>	<p><b>U.S. Department of Energy Public Reading Room</b> Wash State University Tri-Cities Consolidated Information Ctr, Rm 101-L 2770 University Drive Richland, WA 99352 Attn: Janice Scarano (509) 372-7443 Email: <a href="mailto:doe.reading.room@pnnl.gov">doe.reading.room@pnnl.gov</a></p> <p>Map: <a href="http://www.tricity.wsu.edu/campusmap/campusmap.pdf">www.tricity.wsu.edu/campusmap/campusmap.pdf</a></p>	<p><b>Gonzaga University</b> Foley Center Library 502 E. Boone Ave Spokane, WA 99258 Attn: John Spencer (509) 313-6110 Email: <a href="mailto:spencer@gonzaga.edu">spencer@gonzaga.edu</a></p> <p>Map: <a href="http://www.tinyurl.com/2c6bpm">www.tinyurl.com/2c6bpm</a></p>	<p><b>Ecology Nuclear Waste Program Resource Ctr</b> 3100 Port of Benton Blvd Richland, WA 99354 Attn: Teresa Booth (509) 372-7950 Email: <a href="mailto:Hanford@ecy.wa.gov">Hanford@ecy.wa.gov</a></p> <p>Online: <a href="http://www.ecy.wa.gov/programs/nwp/commentperiods.htm">http://www.ecy.wa.gov/programs/nwp/commentperiods.htm</a></p>
<p><b>Administrative Record and Public Information Repository</b> Address: 2440 Stevens Center Pl, Rm 1101, Richland, WA 99352 Attn: Heather Childers Phone: (509) 376-2530 Email: <a href="mailto:heather_m_childers@rl.gov">heather_m_childers@rl.gov</a> Website: <a href="http://www2.hanford.gov/arpir/">www2.hanford.gov/arpir/</a></p>				

***The Permittees' compliance history during the life of the WTP Permit being modified is available from the Washington State Department of Ecology. Contact Dan McDonald at [Hanford@ecy.wa.gov](mailto:Hanford@ecy.wa.gov).***

# Hanford Public Involvement Opportunity

We want to hear from you on the proposed modifications for the Hanford Waste Treatment and Immobilization Plant's Dangerous Waste Permit!

**Comment Period: July 3, 2017 through September 1, 2017**  
**Public Meeting: 5:30 p.m. August 3, 2017 – Richland Public Library**



Class 3 Permit Modification Fact Sheet  
U.S. Department of Energy  
Office of River Protection  
P.O. Box 450, H4-02/MS14-2A  
Richland, WA 99352

