

Waste Treatment Plant Permit Modification for Effluent Management Facility Equipment

Public Comment Period

March 5 to April 18, 2018

Please Submit comments:

Electronically (preferred) via:

<http://wt.ecology.commentinput.com/?id=pu4RD>

By U.S. Mail, or hand-deliver:

Daina McFadden
3100 Port of Benton Blvd
Richland WA 99354

For more information:

Dan McDonald
509-372-7950

Public Hearing

A public hearing is not scheduled, but if there is enough interest, we will consider holding one. To request a hearing contact:

Daina McFadden
509-372-7950
Hanford@ecy.wa.gov

Special Accommodations

To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 509-372-7950 or visit

ecology.wa.gov/accessibility.

People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.

Public Comment Invited

The Washington State Department of Ecology ([Ecology](#)) is proposing a modification to the *Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Revision 8C*.

The proposed change affects the *Dangerous Waste Portion for the Treatment, Storage, and Disposal of Dangerous Waste* for the Waste Treatment and Immobilization Plant (WTP), located in Part III, Operating Unit 10.

The permittees are:

[U.S. Department of Energy Office of River Protection](#)

P.O. Box 450
Richland, Washington 99352

[Bechtel National, Inc.](#)

2435 Stevens Center Place
Richland, Washington 99354

The proposed modification will add permitting and design information for multiple vessels, several equipment items, and pumps to be installed in the Effluent Management Facility (EMF). The permittees have also provided the engineering specifications and other technical documentation necessary to support this modification.

This proposal is one of many changes to the original WTP Permit. Periodic updates allow the permittees to continue construction while designing other parts of the WTP.

Permit Modification Overview

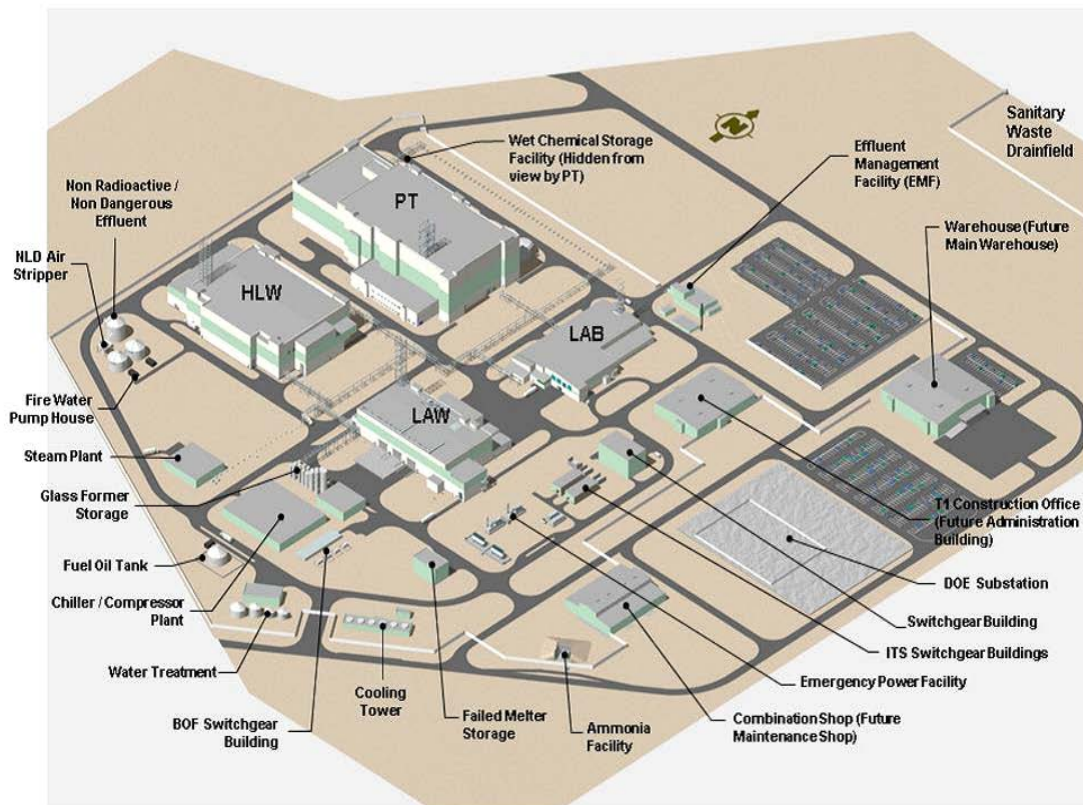
This draft Agency Initiated WTP permit modification (8C.2018.5D) will allow the Permittees to install vessels, equipment, and pumps at the Effluent Management Facility (EMF). The EMF will receive effluents from the Low Activity Waste (LAW) Facility and the Analytical Laboratory Facility to be

processed through the evaporator. The concentrate from the evaporator at EMF will be recycled back to the LAW Concentrate Receipt Process system for vitrification or returned to the tank farms.

This proposed modification includes engineering design and technical documentation for the following equipment to be installed at EMF:

- Low Point Drain Vessel (DEP-VSL-00001)
- Evaporator Feed Vessel (DEP-VSL-00002)
- Evaporator Concentrate Vessels (DEP-VSL-00003 A/B/C)
- Evaporator (DEP-EVAP-00001)
- Reboiler (DEP-RBLR-00001)
- Condensers (DEP-COND-00001/2/3)
- Pumps (Vessel and Sump)

Waste Treatment Plant



Reviewing the Proposed Changes

Ecology invites the public to review and comment on the proposed modification to the WTP Permit. Only those portions that are being modified are open for public comment and review. All other portions remain in effect. See page 1 for comment period dates and information on how to submit comments.

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=8533>, or on Ecology's website at <https://www.ecology.wa.gov/Waste-Toxics/Nuclear-waste/Public-comment-periods>. The documents will also be available at the Hanford Public Information Repositories listed on the last page.

Why It Matters

The proposed permit changes affect the WTP. The WTP is located on the Hanford Site in southeastern Washington. The plant will immobilize in glass 56 million gallons of dangerous radioactive and chemical waste stored in 177 underground storage tanks at Hanford.

Some waste from the tanks has polluted groundwater that flows toward, and can seep into, the Columbia River. Safely treating tank waste is an important goal to help protect people and the environment.





DEPARTMENT OF
ECOLOGY
State of Washington

Nuclear Waste Program
3100 Port of Benton Blvd
Richland, WA 99354

Hanford's Information Repositories and Document Review Locations

WASHINGTON

Richland

Ecology Nuclear Waste Program
Resource Center
3100 Port of Benton Blvd., Richland, WA 99354
509-372-7950

U.S. Department of Energy
Administrative Record
2440 Stevens Drive, Room 1101
Richland, WA 99354
509-376-2530

Washington State University Tri-Cities,
Department of Energy Reading Room
2770 Crimson Way, Room 101L
Richland, WA 99354
509-375-7443

Seattle

University of Washington, Suzzallo Library
P.O. Box 352900
Seattle, WA 98195
206-543-5597

Spokane

Gonzaga University, Foley Center
502 E Boone Avenue
Spokane, WA 99258
509-313-6110

OREGON

Portland

Portland State University, Millar Library
1875 SW Park Avenue
Portland, OR 97207
503-725-4542