

Integrated Disposal Facility

Class 3 permit modification



Figure 1. Columbia River looking at the Hanford site

- Reopening public comment period
July 25 – Sept. 9, 2022
- Will allow disposal of specific wastes to support tank waste treatment and the DFLAW mission.
- Includes the addition of three dangerous waste management units.

Public comment invited

The Washington State Department of Ecology (Ecology) is proposing a change to the Hanford Facility Resource Conservation and Recovery Act Permit, Revision 8C.

This change affects the Dangerous Waste Portion for the Treatment, Storage, and Disposal of Dangerous Waste for the Integrated Disposal Facility located in Part III, Operating Unit Group 11.

The permittees requested a Class 3 modification to the Integrated Disposal Facility (IDF) chapter of the Hanford Dangerous Waste Permit in accordance with Washington Administrative Code 173-303-830(4)(c).

The permittees are:

U.S. Department of Energy
Richland Office
P.O. Box 550
Richland, WA 99352

Central Plateau Cleanup Company LLC
P.O. Box 1464
Richland, WA 99352

Background

The Hanford Site occupies 580 square miles in southeastern Washington State. Beginning in 1943, the site produced plutonium for the nation's defense program. Plutonium production ceased in the late 1980s. Today, waste management and environmental cleanup are the primary missions at Hanford.

The IDF is located on 202 acres of land within the south-central portion of the 200 East Area of the Hanford Site. The IDF will provide disposal for 19,000 metric tons of dangerous radioactive and chemical waste annually.

Overview & Changes

This draft permit modification for the existing IDF Operating Unit Group adds new and modified information for three dangerous waste management units:

- An additional disposal cell
- Storage area
- Treatment area

The draft permit also provides detailed information to support the operation of IDF. The modification describes operations, and updates or modifies the following:

- Unit Specific Permit Conditions*
- Addendum A, Part A Form
- Addendum B, Waste Analysis Plan
 - Addendum B, Appendix BA, Quality Assurance Project Plan for IDF Waste Analysis
 - Addendum B, Appendix BB, Waste Stream Descriptions
- Addendum C, Process Information*
 - Addendum C, Appendix C1, Phase I Critical Systems Design Report*
 - Addendum C, Appendix C2, Critical Systems Table
 - Addendum C, Appendix C3, Design Drawings*
 - Addendum C, Appendix C4, Construction Quality Assurance Plan
 - Addendum C, Appendix C5, Facility Response Action Plan
 - Addendum C, Appendix C6, Construction Specifications*
- Addendum D, Groundwater Monitoring Plan*
 - Addendum D, Appendix DA, Quality Assurance Project Plan*
 - Addendum D, Appendix DB, Sampling Protocol*
 - Addendum D, Appendix DC, Well Construction*
- Addendum E, Security*
- Addendum F, Preparedness and Prevention
- Addendum G, Personnel Training*
- Addendum H, Closure Plan
 - Addendum H, Appendix HA, Sampling and Analysis Plan*
 - Addendum H, Appendix HA.a, Visual Sampling Plan Report Documentation
- Addendum I, Inspection Plan*
- Addendum J, Contingency Plan
- Addendum K, Post-Closure Plan

Note: The draft permit files identified by an * are either new or updated and are open for public comments.

Why this permit change matters

The IDF plays a vital role in supporting Hanford’s Direct-Feed Low-Activity Waste program (DFLAW), which is an important part of the Hanford cleanup process.

The proposed permit modifications will allow the permittees to provide disposal of Immobilized Low-Activity Waste and other secondary waste to support tank waste treatment and the DFLAW mission.

Reviewing the proposed changes

Ecology invites you to review and comment on the reopening of the proposed IDF permit modification. During the previous 45-day public comment period (Sept. 13 through Oct. 28, 2021), Ecology received public comments that required Ecology to update several draft permit files necessary to support this draft permit.

As detailed in WAC 173-303-840(7), comments filed during the reopened comment period will be limited to the substantial new questions that caused its reopening. Any public comment received between July 25 and Sept. 9, 2022, should remain focused on newly added draft permit files and updated draft permit files, identified by an *.

Copies of the draft permit, fact sheet, and supporting documentation will be available during the public comment period on Ecology’s website¹. The documents will also be available electronically at the Hanford Public Information Repositories listed below.

Ecology will consider and respond to all significant comments received during the public comment period. We will document our responses and issue a response to comments document when we make our final permitting decision. See the last page for comment period dates and information on how to submit comments.

Hanford’s Information Repositories

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

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

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

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

For information on other comment periods or ways to get involved, go to ecology.wa.gov/Hanford and click “Public comment periods” on the left bar or visit Hanford.gov “public involvement opportunities.”

You can also follow us on social media.



@EcologyWAHanford



@ecyHanford



Figure 2. Integrated Disposal Facility

¹ [Ecology.wa.gov/NWP-comment-periods](https://ecology.wa.gov/NWP-comment-periods)



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

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July 25 – Sept. 9, 2022



Electronic submission (preferred):

https://nw.ecology.commentinput.com/?id_fKhkj

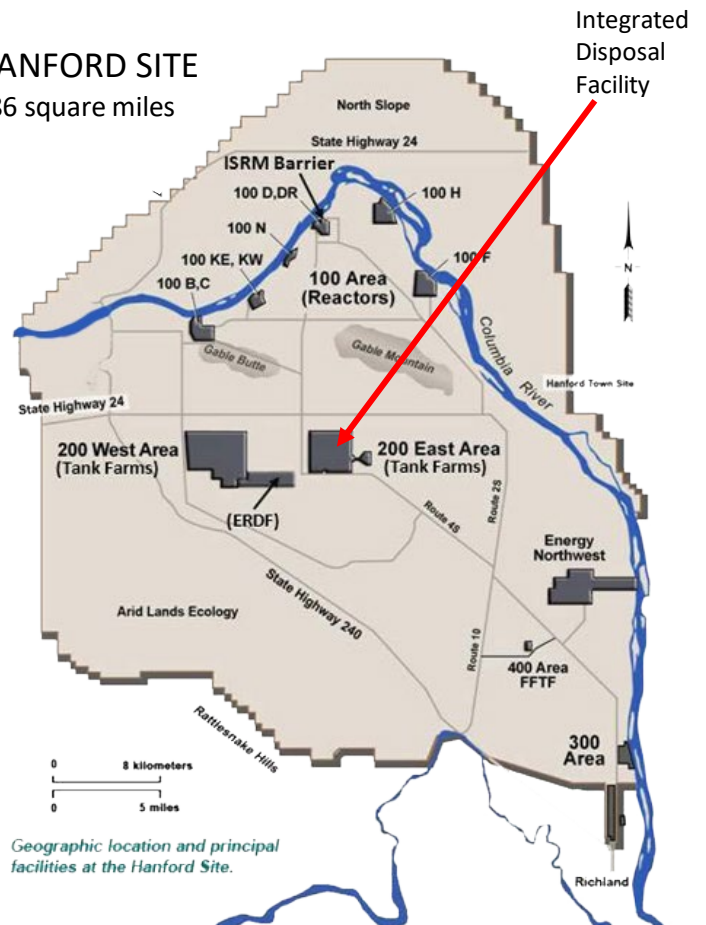
Mail or hand delivery

Daina McFadden
3100 Port of Benton Blvd
Richland, WA 99354

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

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

HANFORD SITE 586 square miles



Geographic location and principal facilities at the Hanford Site.