

# Integrated Disposal Facility

## Class 3 permit modification

- Public comment period Sept. 13 – Oct. 28, 2021
- The proposed permit modifications 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 will provide disposal for 19,000 metric tons of dangerous radioactive and chemical waste annually.

### Overview of changes

This draft permit modification for the existing IDF Operating Unit Group incorporates new and modified information that includes the addition of three dangerous waste management units:

- Operation of 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:

- 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, Critical Systems Design Drawings

- Addendum C, Appendix C4, Detailed Design Cell 1 Construction Quality Assurance Plan
- Addendum C, Appendix C5, Facility Response Action Plan
- Addendum D, Groundwater Monitoring Plan, DOE/RL-2019-29, Rev. 1
  - Addendum D, Appendix A, Quality Assurance Project Plan
  - Addendum D, Appendix B, Sampling Protocol
  - Addendum D, Appendix C, Well As-Built Diagrams and Proposed Well Locations
- 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 HA.a, Visual Sample Plan Report Documentation
- Addendum I, Inspection Plan
- Addendum J, Facility Response Plan for the Integrated Disposal Facility
- Addendum K, Post-Closure Plan



## 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 this proposed IDF Class 3 permit modification. See the last page for comment period dates and information on how to submit comments.

Copies of the application for the proposed permit and supporting documentation will be available during the public comment period online at [Ecology’s website](https://ecology.wa.gov)<sup>1</sup>. The documents will also be available at the Hanford Public Information Repositories listed on the next page.

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.

<sup>1</sup> [Ecology.wa.gov/Waste-Toxics/Nuclear-waste/Public-comment-periods](https://ecology.wa.gov/Waste-Toxics/Nuclear-waste/Public-comment-periods)

# Hanford's Information Repositories

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

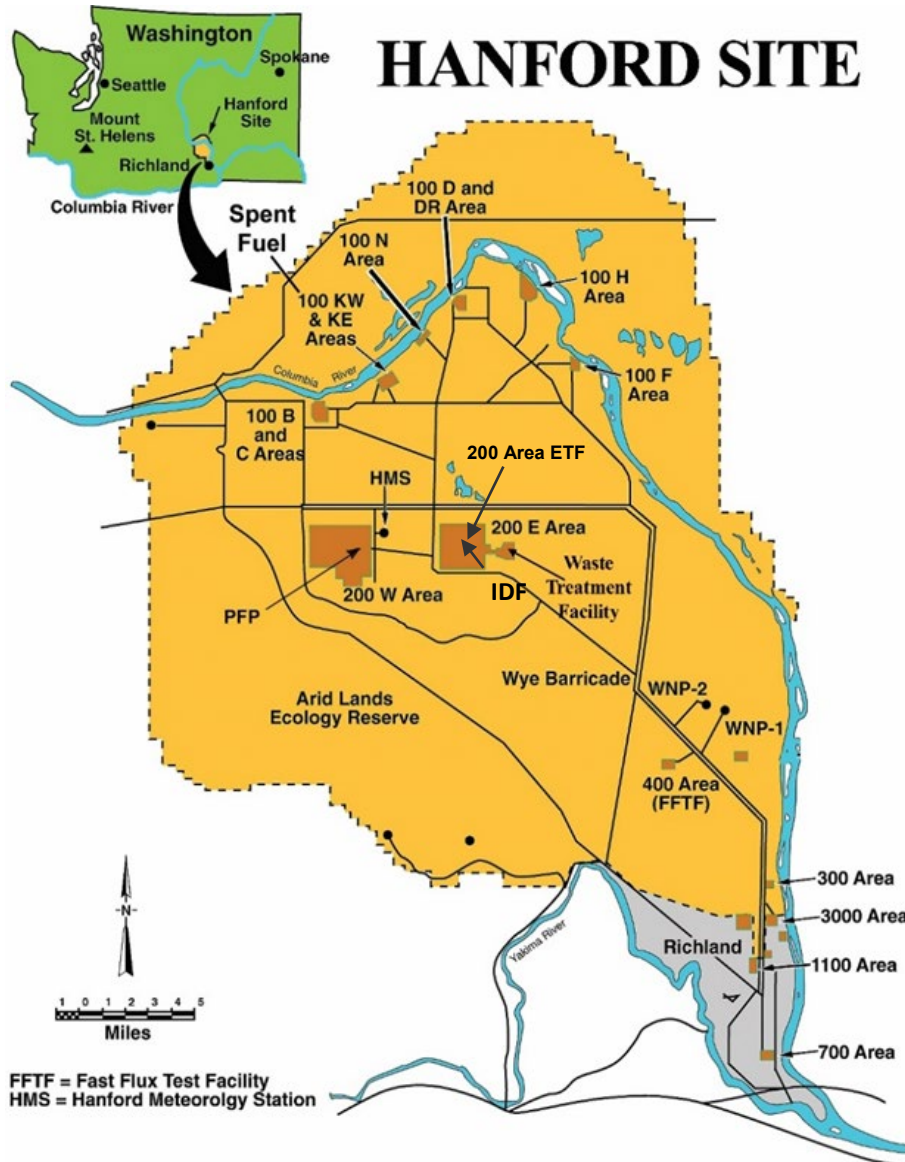
U.S. Department of Energy  
Administrative Record  
2440 Stevens Drive, Room 1101  
Richland, WA 99354  
509-376-2530

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

Suzzallo Library  
P.O. 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





3100 Port of Benton Blvd  
Richland WA 99354

## *IDF Class 3 permit modification*

### **Public comment period Sept. 13 – Oct. 28, 2021**

Electronic submission (preferred):  
<https://nw.ecology.commentinput.com/?id=7FcUQ>

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](mailto:Hanford@ecy.wa.gov)

To request an ADA accommodation, contact Ecology by phone at 509 372 7950, email at [Daina.McFadden@ecy.wa.gov](mailto:Daina.McFadden@ecy.wa.gov), or visit <https://ecology.wa.gov/accessibility>. For Relay Service or TTY call 711 or 877 833 6341.