



# THE HANFORD SITE

## Proposed Class 3 Permit Modification for the Integrated Disposal Facility

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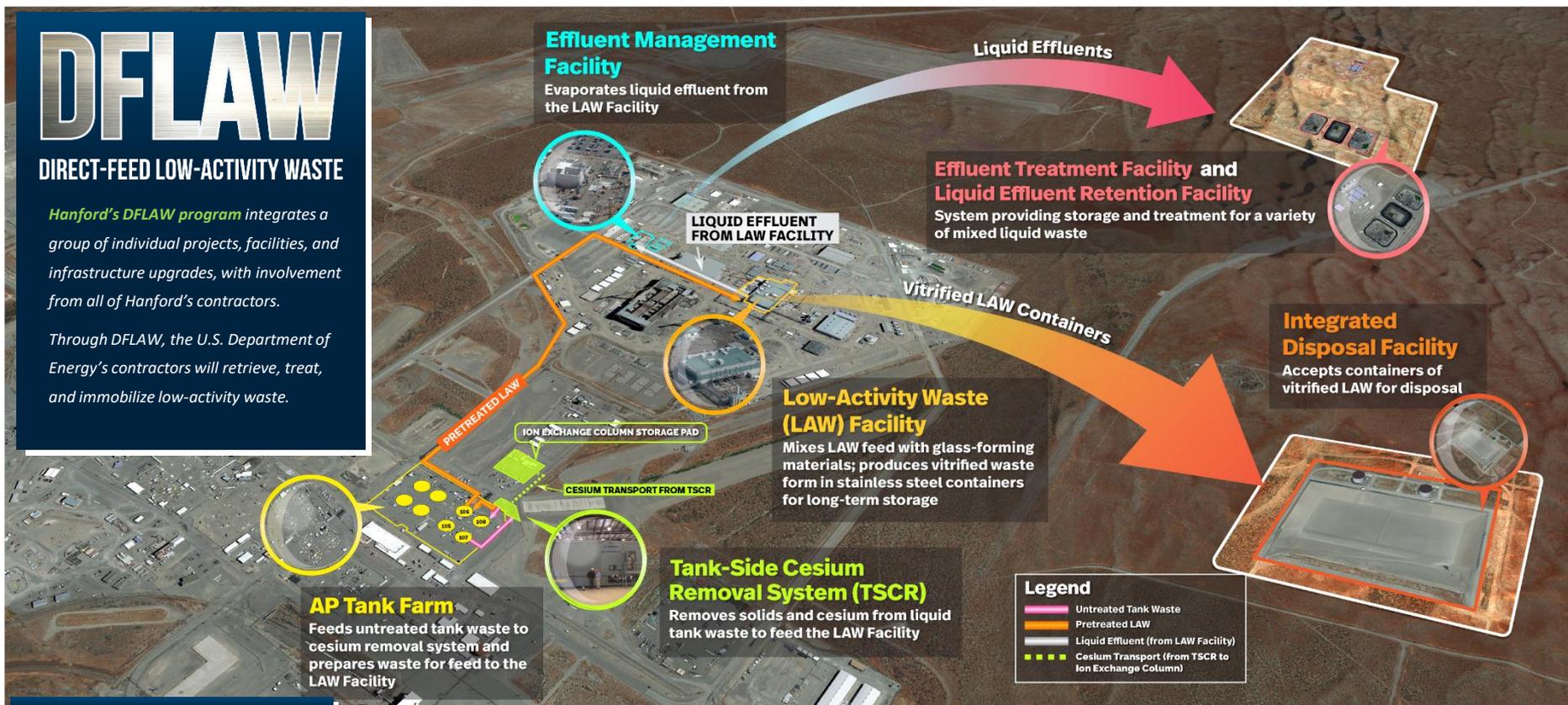
# Direct-Feed Low-Activity Waste Configuration

## DFLAW

### DIRECT-FEED LOW-ACTIVITY WASTE

Hanford's DFLAW program integrates a group of individual projects, facilities, and infrastructure upgrades, with involvement from all of Hanford's contractors.

Through DFLAW, the U.S. Department of Energy's contractors will retrieve, treat, and immobilize low-activity waste.



## INFRASTRUCTURE

ELECTRICAL

WATER/SEWER

ROADS

SECURITY

INFORMATION TECHNOLOGY

EMERGENCY PREPAREDNESS

- The proposed Class 3 Permit Modification for the Integrated Disposal Facility (IDF) chapter of the Hanford Dangerous Waste Permit, includes the following:
  - Adds storage and treatment unit information
  - Allows disposal of mixed low-level waste (MLLW) in both disposal cells concurrent with projected waste streams
  - Expands disposal operations information
  - Adds acceptance of MLLW from Hanford Site operations
  - Refines acceptance of immobilized low-activity waste (ILAW) glass from the Waste Treatment and Immobilization Plant (WTP)
- This proposed Class 3 permit modification, if issued, would replace the existing IDF chapter of the permit

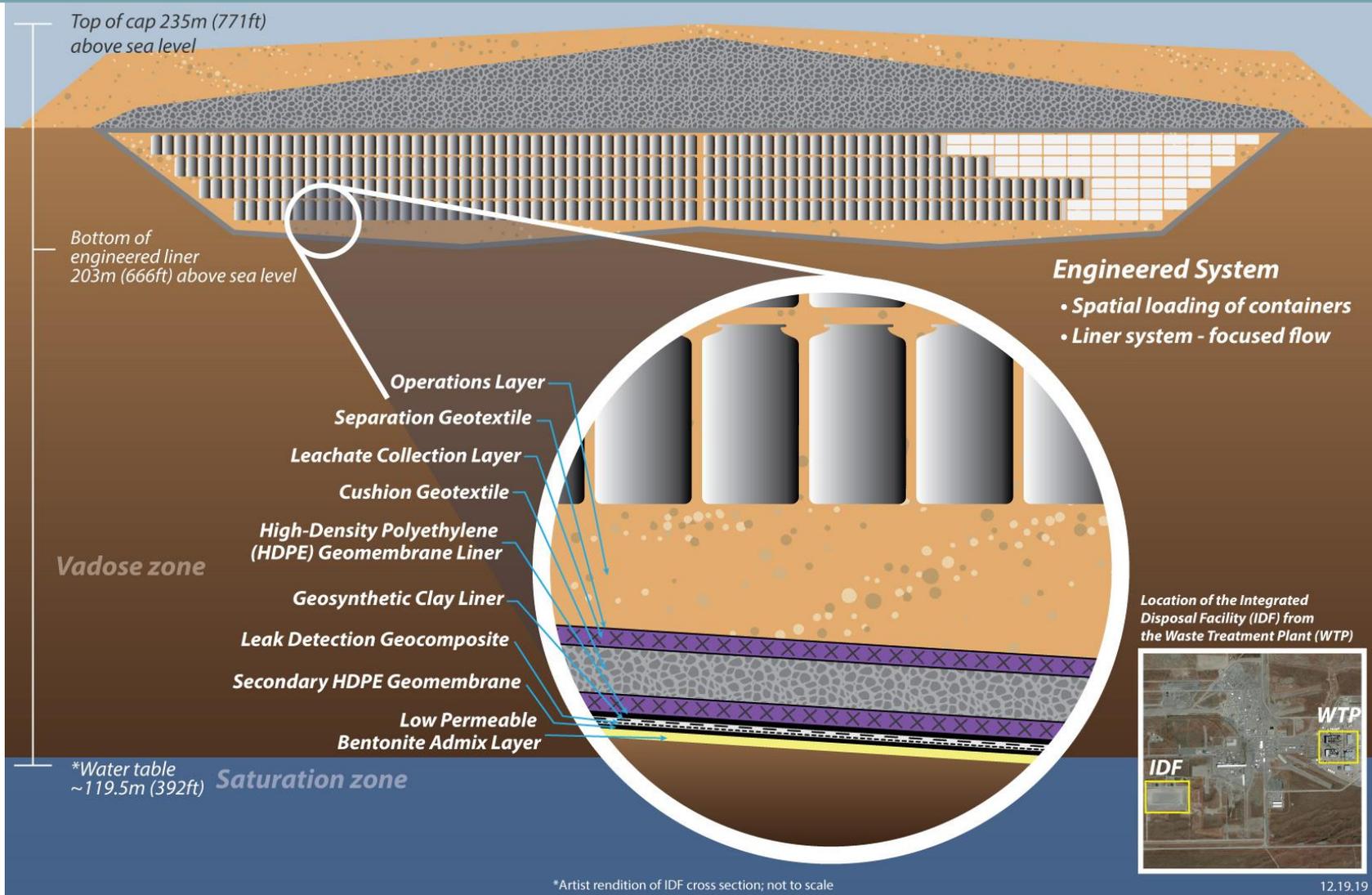
# Photos (Location within Hanford Site)



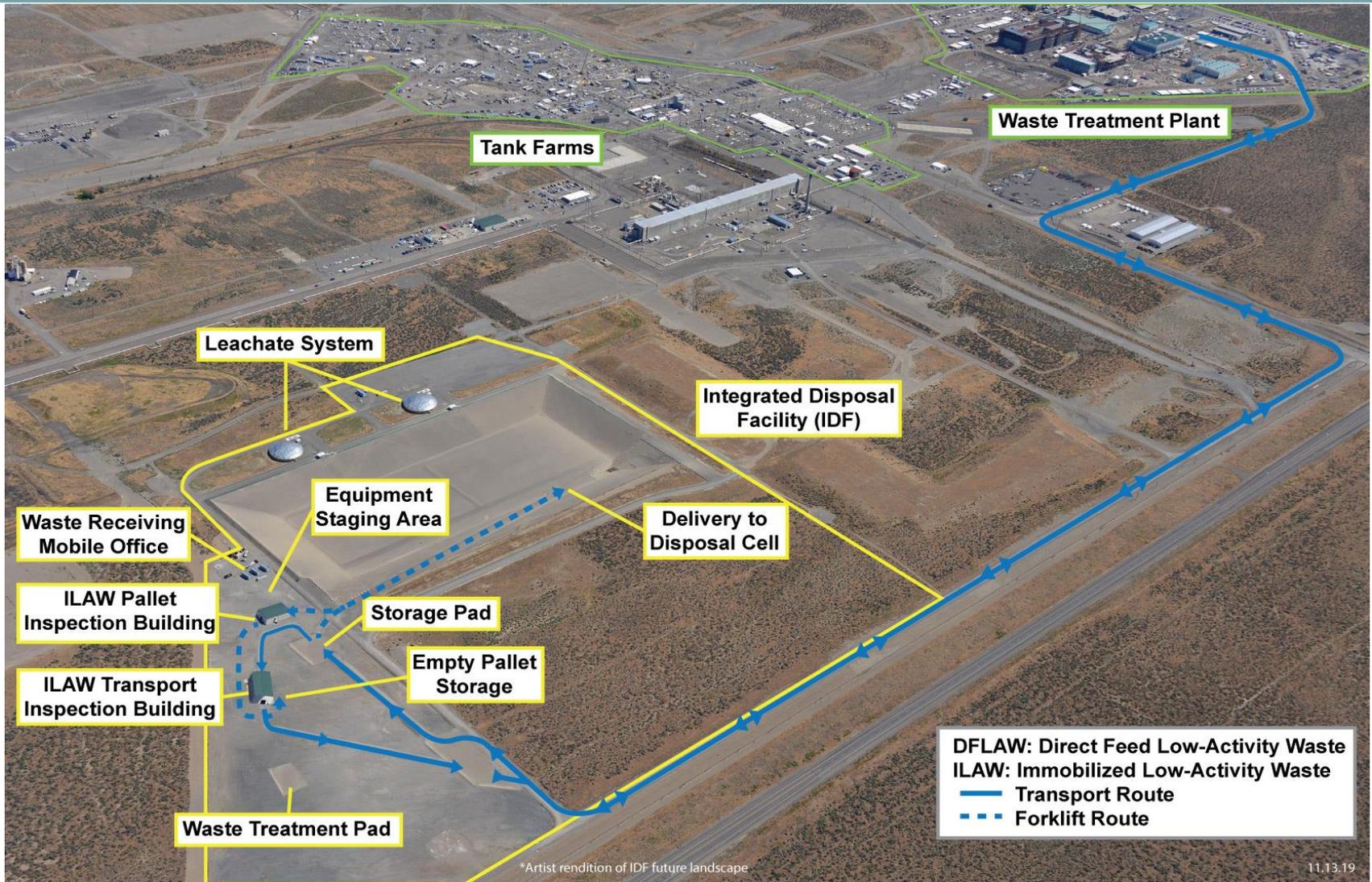
- IDF is a near-surface double-lined landfill consisting of two disposal cells and a leachate management system
- Initial (Phase I) construction started in September 2004 and completed in June 2006
- Dangerous Waste Permit for IDF issued in April 2006
- Only Disposal Cell 1 is permitted for disposal of MLLW
- Permitted to accept ILAW from the WTP, Demonstration Bulk Vitrification System waste, and IDF operational waste
- Waste has not been disposed of at IDF to date



# Photos (Current Configuration)



# Photos (Planned Configuration)



11.13.19

# Regulatory Framework for Permitting Action

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- *Resource Conservation and Recovery Act (RCRA)* applies to hazardous waste management at Hanford
- Washington State Department of Ecology (Ecology) administers the state's RCRA program
- Ecology is the regulatory authority for the Hanford Site permit, which includes IDF
- The permittees (the DOE Richland Operations Office and contractor CH2M HILL Plateau Remediation Company) and Ecology have determined that the existing IDF chapters should be modified

# Proposed Permit Modification Overview

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- Ecology and DOE participated in a series of facilitated workshops to determine the content and format of the new IDF addenda
- The workshops resulted in replacement of the IDF chapters with new addenda
- DOE is seeking approval from Ecology to replace the existing IDF permit with an active operating permit to receive ILAW glass and secondary wastes from the WTP and other waste generators at Hanford

# Permit Modification Public Process

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- What is the public being asked to comment on?
- Comment period open through Feb. 14, 2020
- Submit comments via mail or electronically (preferred) to the Washington State Department of Ecology:

Daina McFadden

Washington Department of Ecology

3100 Port of Benton Boulevard

Richland, WA 99354

Electronically: <http://nw.ecology.commentinput.com/?id=ubNZC>



In compliance with Washington Administrative Code 173-303-803(3)(c)(vi), following the 60-day public comment period, Ecology will hold a 45-day comment period on its permitting decisions.

# THE HANFORD SITE | Questions?



The Hanford Reach  
White Bluffs Overlooking the Columbia River