



THE HANFORD SITE

Proposed Class 3 Permit Modification for the Integrated Disposal Facility Leachate Collection System

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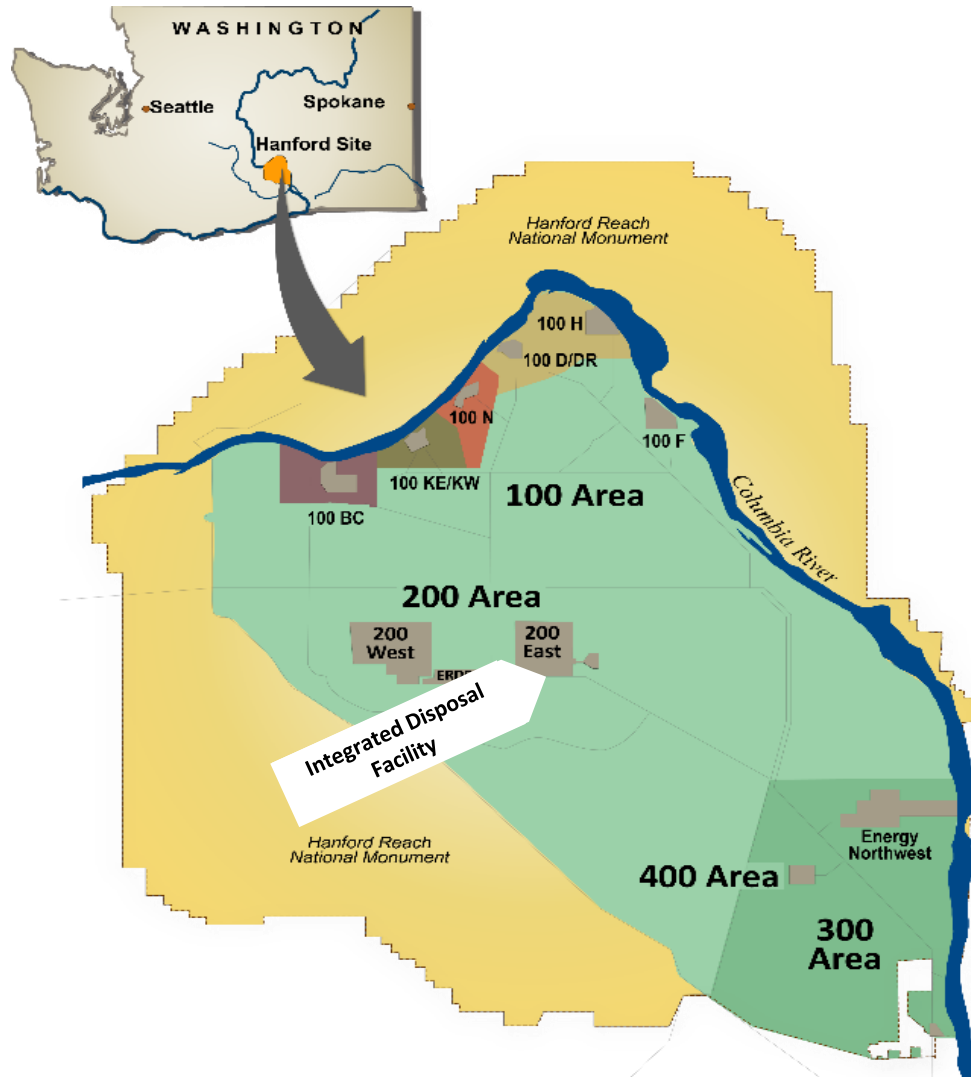
Environmental Compliance Division

DOE Richland Operations Office

June 24, 2021

- Meet WAC 173-303-830(4)(c)(iv) regulatory requirements for public involvement
- Provide information on the Integrated Disposal Facility (IDF) Class 3 permit modification request to incorporate the Leachate Collection System (LCS) as Dangerous Waste Management Units (DWMUs)

Location of IDF

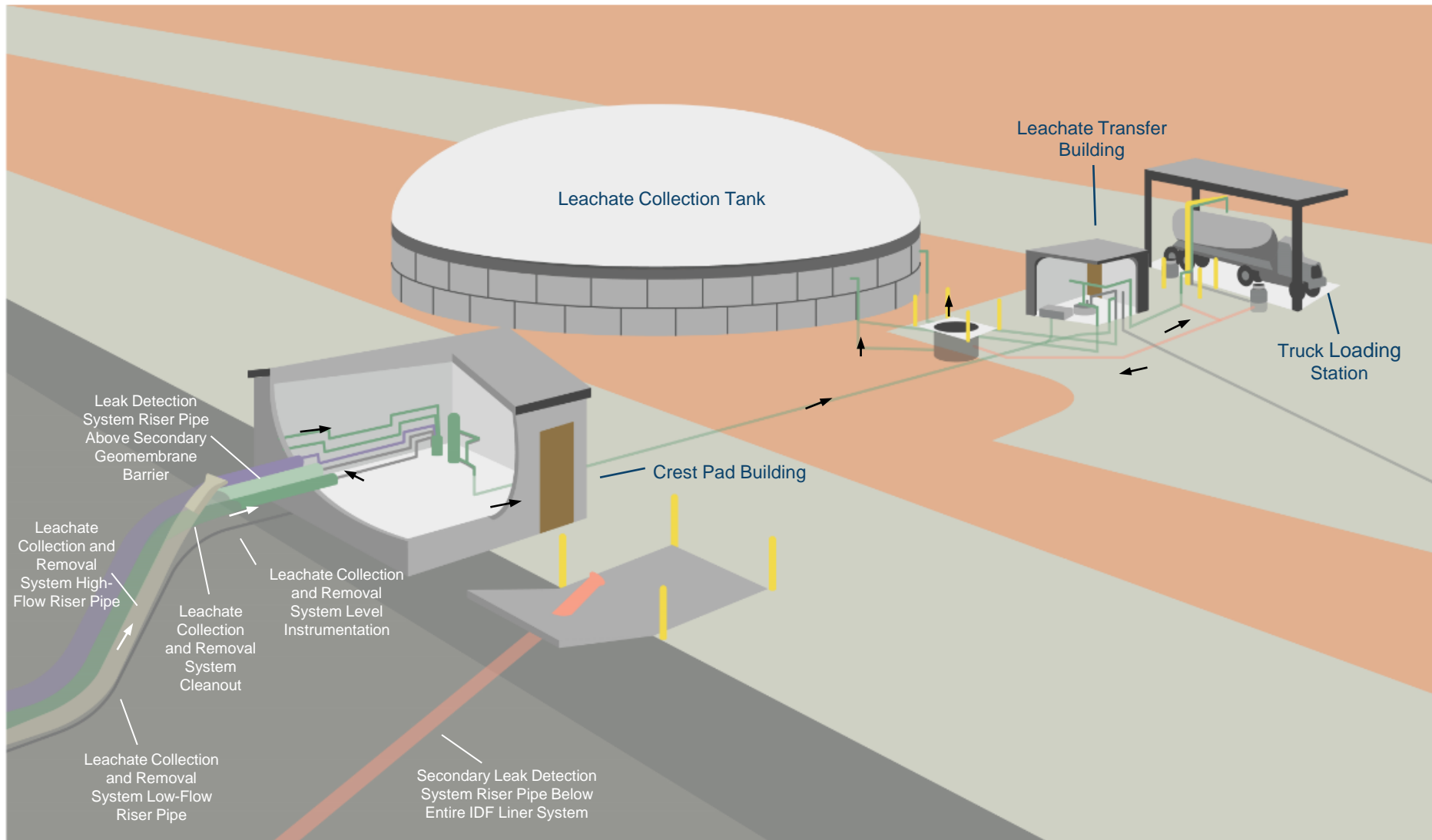


- The IDF is a near-surface double-lined landfill consisting of two disposal cells, storage and treatment pads, and a leachate management system
- Construction of the IDF cells, leachate system, and support facilities started in September 2004 and was completed in June 2006
 - Upgrades to the facilities, utilities, and operational footprint resumed in 2020 to support the tank waste treatment mission and ongoing activities to reduce risk on Hanford's Central Plateau
- The dangerous waste permit for the IDF was issued in April 2006
- No waste has been disposed of at the IDF to date
- This request is separate from the current Class 3 Active Life Permit for the cells and storage/treatment pad DWMUs

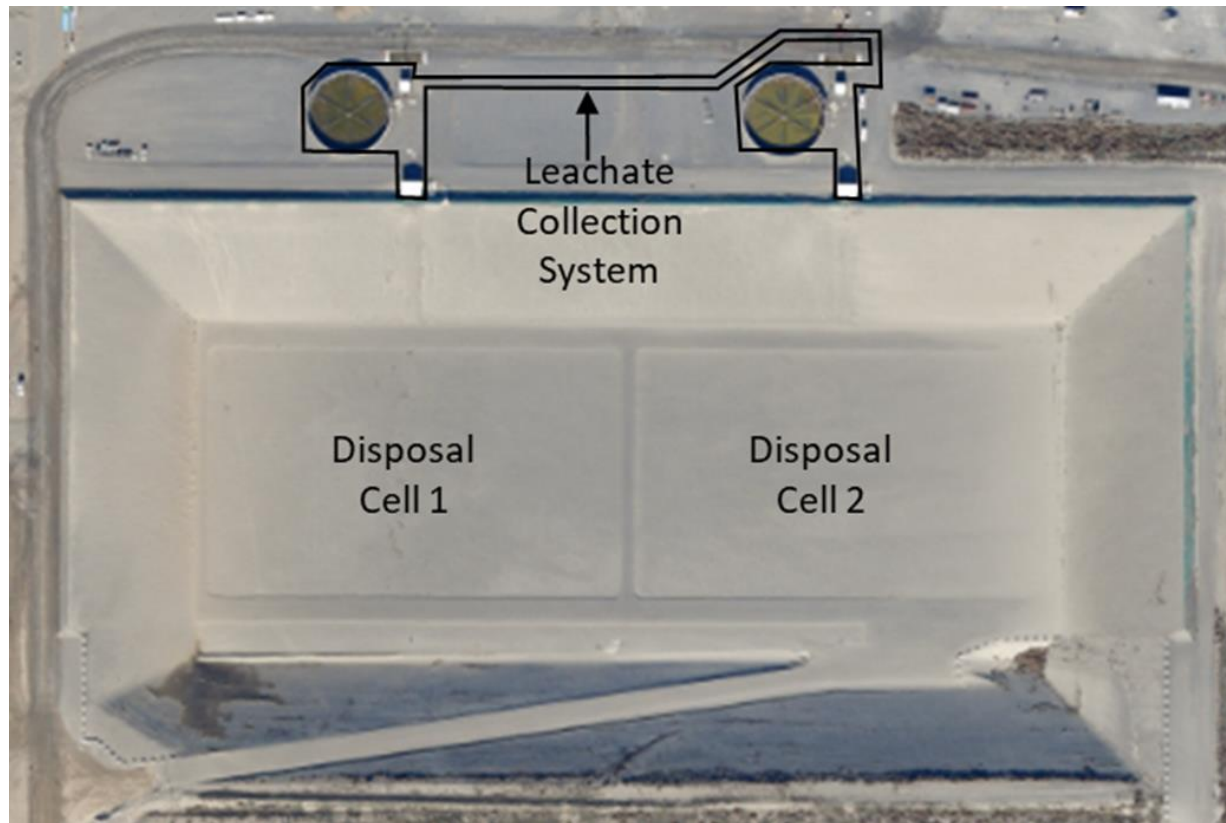
- Leachate is water from precipitation and dust control during operations
- When the IDF becomes operational, leachate will be transferred from each disposal cell to the associated leachate collection tank
- The units will provide storage for the leachate until transferred to Hanford's Effluent Treatment Facility via tanker truck



Leachate Collection System



This permit modification request incorporates the leachate collection tanks and ancillary equipment into the Hanford Dangerous Waste Permit, IDF portion.



Aerial view of the Integrated Disposal Facility, including the Leachate Collection System

- The LCS will be permitted as two miscellaneous units, and managed under WAC 173-303-640, “Tank systems,” and WAC 173-303-650, “Surface impoundments.”
- Changes to the IDF permit include the following:
 - Description of the LCS
 - Monthly/quarterly sampling of leachate
 - New inspections related to the LCS

- This Class 3 permit modification requests incorporation of the Integrated Disposal System Leachate Collection System as two Dangerous Waste Management Units, and provides chapter revisions
- This action supports Hanford's tank waste treatment mission and ongoing activities to reduce risk on Hanford's Central Plateau

See the Hanford events calendar on Hanford.gov for details on the IDF Class 3 permit modification request public comment period, including links to supporting documents and a fact sheet

The public is encouraged to submit comments on the proposed modification through July 23, 2021, electronically (preferred) to <https://bit.ly/2Swg7KJ> or in writing to:



Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, WA 99354

Questions?

The Hanford Reach
White Bluffs Overlooking the Columbia River