



Department of Ecology

Agency Update

October 2020

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Outline

- Holistic Negotiations
- TPA Milestone Negotiations
- Compliance Activities
- Ambient Air Boundary
- Permitting activities
- Transition

Holistic negotiations

- Ecology proposed holistic negotiation of tank waste retrieval, treatment
- Sessions are being facilitated by mediators from the Federal Mediation and Conciliation Service
- EPA is participating in the sessions in additions to US DOE, US Department of Justice, Ecology, and the Washington Attorney General Office
- Per a mediation agreement, the parties will not discuss status or progress during the negotiations

Tri-Party Agreement negotiations transuranic mixed waste

- M-91 milestone series addresses transuranic mixed waste in storage at the Central Waste Complex (CWC) or retrievably stored in the Central Plateau burial grounds across the road from CWC
 - Milestone adjustments were required because of the shutdown then slow down at the Waste Isolation Pilot Plant (WIPP)
 - Also the WIPP closing date was extended from 2030 to 2050
 - DOE and Ecology are close to agreement; EPA also has to agree if the major milestone date is moved
 - When tentative agreement is reach, a 30-day notice would be followed by a public comment period for proposed changes

Tri-Party Agreement negotiations

Central Plateau milestones

- Milestones for investigating and remediating soil contamination and contaminated buildings (including canyons) were delayed when FFY18, -19, and -20 appropriations were less than compliance level funding requests
- Tri-Parties negotiations are in progress with the objectives to
 - Implement early actions
 - Accelerate cleanup actions
 - Ensure consistent remedies for similar waste sites
 - Reduce characterization pre-Record of Decision (ROD)
 - Conduct confirmatory sampling post-ROD

<https://pdw.hanford.gov/document/AR-04031>
- If negotiations are successful, public information and public comment will follow

Ecology compliance activities June 2020 to September 2020

Inspections Conducted

- 222-S Laboratory – June 4, 2020
- Low Level Burial Grounds Trench 94 – June 15, 2020
- 216-A-29 Ditch, 21-A-37-1 Crib, 216-A-36B Crib, 216-B-63 Trench, 216-S-10 Pond and Ditch, 216-B-3 Main Pond, 183-H Solar Evaporator Basins, 300 Area Process Trenches, and Low Level Burial Grounds Green Islands Groundwater Inspections – June 24, 2020
- Liquid Effluent Retention Facility (LERF) and 200 Area Effluent Treatment Facility (ETF)– July 28, 2020
- 241-CX Tank System – August 26, 2020
- Hexone Storage and Treatment Facility – August 27, 2020
- B Plant – September 18, 2020
- Plutonium Uranium Extraction (PUREX) Plant – September 21, 2020



Ecology Compliance Activities June 2020 to September 2020

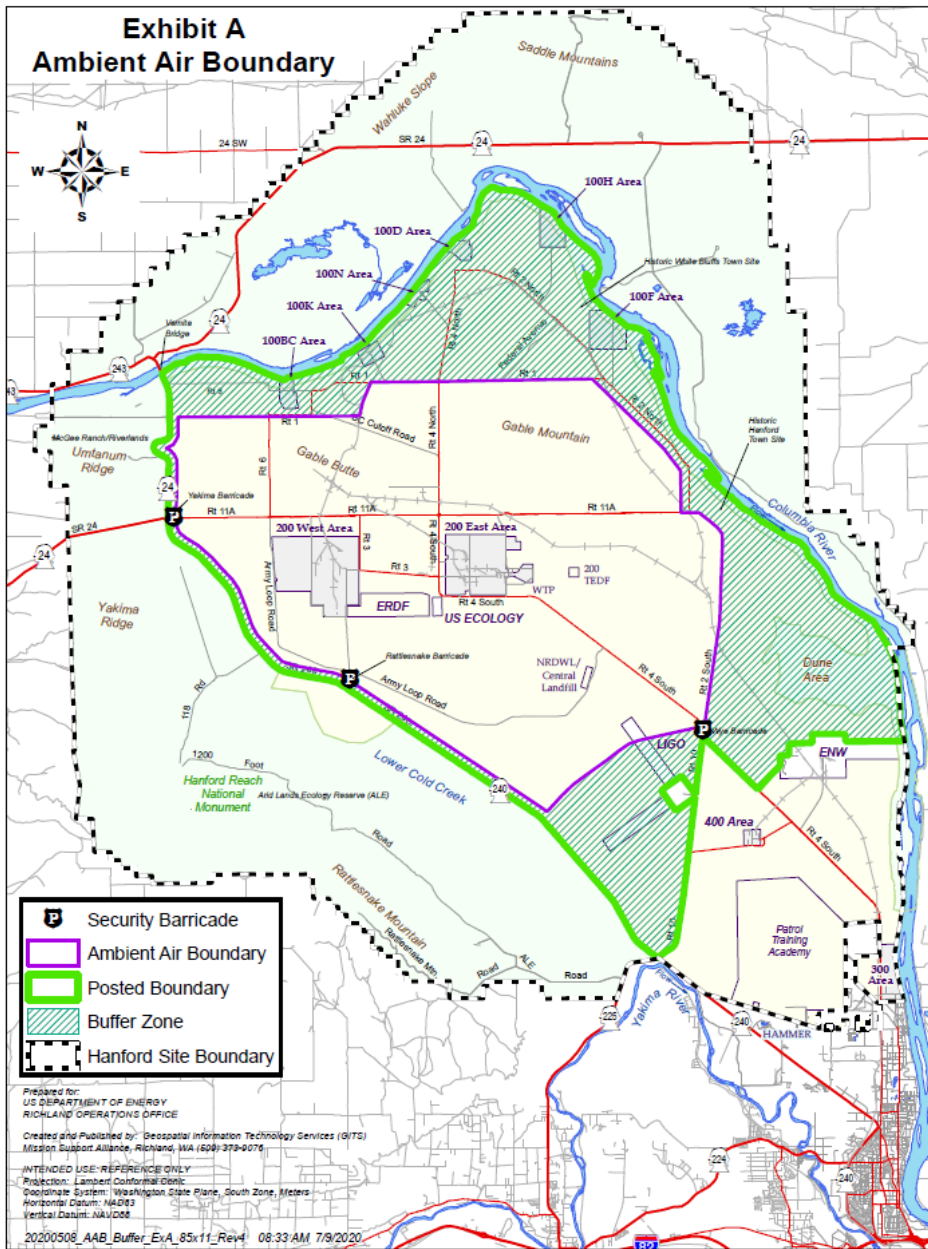
Compliance Reports Issued

- T Plant Complex – June 11, 2020
- Perma-Fix Northwest – June 25, 2020
- Single Shell Tank Compliance Report– July 9, 2020
- Integrated Disposal Facility (IDF) – August 6, 2020
- Non-Radioactive Dangerous Waste Landfill – September 1, 2020
- Central Waste Complex – August 28, 2020
- Waste Receiving and Processing Facility – August 28, 2020
- Double Shell Tank System – September 9, 2020
- Low Level Burial Grounds Trenches 31 and 34 – September 24, 2020



Ambient Air Boundary Resolution

- In December 2018, Ecology expressed concern to DOE that the ambient air boundary used for notice of construction application modelling at Hanford appeared to have changed from when it was originally established
- Ecology and DOE worked together to establish an enforceable revised ambient air boundary for the Hanford Site consistent with regulation and guidance
- Ecology and DOE signed a memorandum of agreement, effective July 23, 2020 delineating the revised boundary and identifying measures implemented to maintain the revised boundary



Revised Ambient Air Boundary

Approved for Public Release;
Further Dissemination Unlimited

Permit Modifications Continue

- Ecology continues to process draft and final permit modifications during the “Stay at Home, Stay Healthy” and “Safe Start” Orders.
- Draft and final permit modifications are available online at the Ecology website.
- Members of the public can request hard copies of documents and DVDs of permit modification if electronic accessibility is not possible.
- The Public Information Repositories and Administrative Record receive draft and final permit modifications electronically to post on their websites.
- Once Ecology can successfully send DVDs and hard copies, we will ensure those are in place at the appropriate locations, according to the WAC and Tri-Party Agreement.
- Ecology continues to work to ensure members of the public receive the information in support of permit modifications.

Opportunities for public involvement

Unit	Public Comment Period
<u>Class 2 Permit Modification</u> – Proposed changes include revisions to the Permit Conditions and Process Information Chapter to include information on double-shell tank transfer line penetrations and jumpers.	May 8, 2020 to July 7, 2020
<u>Class 3 Permit Modification</u> – Closure Plans at T-Plant (211-T Pad, 221-T Railroad Cut, 221-T Sand Filter Pad, 271-T Cage, 277-T Building, 277-T Outdoor Storage Area) and Central Waste Complex (2401-W Waste Storage Building).	June 8, 2020 to July 24, 2020 Reopened September 21, 2020 to November 4, 2020
<u>Class 2 Permit Modification</u> – Revised 242-A Evaporator Process Information and Inspection Addenda to include information on the tie-in of PC-5000 line and LERF-ETF Catch Basin 242AL-41. In addition, it proposes language regarding inspection of leak detection.	July 10, 2020 to September 9, 2020
<u>Class 3 Permit Modification</u> - Incorporate LERF-ETF Basin 41 into Hanford Site-wide Permit Operating Unit Group 3. LERF Basins are lined surface impoundments used to store and treat aqueous waste. The waste is pumped from LERF to ETF for treatment. The addition of LERF Basin 41 is in support of DFLAW Operations.	July 10, 2020 to September 9, 2020

Opportunities for public involvement

Unit	Dates
<u>Class 3 Permit Modification</u> - Incorporate LAWPS/TSCR into the Hanford Site-wide Permit as Operating Unit Group 1. The LAWPS/TSCR unit is a mixed waste treatment and storage unit that will treat Double-Shell Tank supernatant waste. The LAWPS/TSCR will support the DFLAW Operations.	June 22, 2020 to August 7, 2020 Reopened September 28, 2020 to November 12, 2020
<u>Class 3 Permit Modification</u> – The Waste Encapsulation Storage Facility permit modification includes proposed permit language to prepare for the capsule transfer from the pool cells to the Capsule Interim Storage facility.	August 3, 2020 to September 18, 2020
<u>Class 3 Permit Modification</u> – Includes proposed permit language in support of operations and allow for disposal of mixed low-level waste in both disposal cells of the Integrated Disposal Facility, add receipt of mixed low-level wastes from Hanford Site operations, and allow for the construction of a treatment pad and a storage pad.	December 2020 to January 2021
<u>State Waste Discharge Permit</u> – ST0004502 – Treated Effluent Disposal Facility permit renewal	November to December 2020

Transition



Questions?

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