

***U.S. Department of Energy-Hanford Field Office
Tank Waste Operations/Waste Treatment and
Immobilization Plant Tri-Party Agreement/Consent
Decree Monthly Project Managers Meeting Minutes***

July 10, 2025



**DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree
Monthly Project Managers Meeting Minutes
July 10, 2025**

CONCURRENCE SIGNATURES

In accordance with the Tri-Party Agreement Section 4.1, Project Manager Role, any agreements and commitments resulting from the meeting will be prepared and signed by all parties as soon as possible after the meeting. The undersigned indicate by their signatures that these meeting minutes reflect the actual discussion during this meeting. Signatures denote concurrence with the agreements and commitments resulting from this meeting and do not imply agreement with statements made during this meeting. Attachments to these meeting minutes are provided for informational purposes only.

**ANDERS
WIBORG**

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WIBORG
Date: 2025.07.30 12:34:01 -07'00'

Andy Wiborg, Project Manager
U.S. Department of Energy, Hanford Field Office
Tank Waste Operations

ROBERT IRWIN

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Date: 2025.07.31 06:39:23 -07'00'

Tom Teynor, Project Manager
U.S. Department of Energy, Hanford Field Office
Waste Treatment and Immobilization Plant

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
Beth Rochette, Project Manager (acting)
Washington State Department of Ecology

McDonald, Dan
(ECY)

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Dan (ECY)
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Dan McDonald, Project Manager
Washington State Department of Ecology

Chakravartty,
Ambika (ECY)

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Ambika Chakravartty, Project Manager
Washington State Department of Ecology

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Alexander, Debra J
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Washington State Department of Ecology

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Acronyms and Abbreviations

AMPS	Advanced Modular Pretreatment System
AR	Administrative Record
BOF	Balance of Facilities
BNI	Bechtel National, Inc.
CD	Consent Decree
CD-1	critical decision
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
DFLAW	direct feed low-activity waste
DFHLW	direct feed high-level waste
DOE-HFO	U. S. Department of Energy
DST	double-shell tank
EC	Evaporator Campaign
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
EVMS	earned value management system
FY	fiscal year
GFR	Glass Former Reagent
H2C	Hanford Tank Waste Operations & Closure
HLMI	Hanford Laboratory Management and Integration, LLC
HLW	high-level waste
IAMIT	Inter-agency Management Integration Team
IQRPE	Independent Qualified Registered Professional Engineer
LAW	Low-activity waste
LBL	LAW Facility, Balance of Facilities and Lab
LERF	Liquid Effluent Retention Facility
DOE-HFO	U. S. Department of Energy, Office of River Protection
PA	Performance Assessment
PMM	project manager meeting
PT	Pretreatment
RCRA	Resource Conservation and Recovery Act
RFI/CMS	RCRA Facility Investigation/Corrective Measures Study
SST	single-shell tank
TBI	Test Bed Initiative
TPA	Tri-Party Agreement
TSCR	tank-side cesium removal
TWO	Tank Waste Operations
WMA	Waste Management Area
WRPS	Washington River Protection Solutions LLC
WTP	Waste Treatment and Immobilization Plant

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1.0 ADMINISTRATIVE ITEMS/MILESTONE STATUS/ACTIONS

These meetings are normally conducted on the second Thursday each month between the U.S. Department of Energy-Hanford Field Office (DOE-HFO) and Washington State Department of Ecology (Ecology); often referred to as the Parties. This meeting was held remotely via video and telecom, using the Microsoft Office Teams software, a communication and collaboration platform.

Upcoming Meetings

The next DOE-HFO TWO/WTP Tri-Party Agreement (TPA)/Consent Decree (CD) Monthly Project Managers Meeting is August 14, 2025. The next TPA/CD TWO/WTP Quarterly Milestone Review Meeting is September 11, 2025.

Recent Items Added to the Hanford Administrative Record (AR)

The Office of River Protection Tri-Party Agreement (TPA) and Consent Decree (CD) Monthly Reports for the period of May 1 – May 31, 2025, were entered into the Hanford AR on June 26, 2025. The meeting minutes from the June 10, 2025 TPA/CD TWO/WTP Quarterly Milestone Review Meeting were added to the Hanford AR on July 14, 2025.

*NOTE: For other documents added to the Hanford AR see, “*Items Entered into the Hanford Administrative Record*” attached to these meeting minutes.

Tri-Party Agreement Milestones Status

DOE-HFO reported all TPA milestones were either Complete or On Schedule (for details on specific milestones, see pages 1-3 of the May 2025 DOE-HFO TPA Monthly Report and throughout these minutes). DOE-HFO noted completion of TPA Milestone M-045-56U, Ecology and DOE Agree, at a Minimum, to Meet Yearly, due 07/31/25, completed on 05/28/25. DOE-HFO also noted completion of TPA Milestone M-045-110, Submit RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA U, due 12/31/25, completed on 05/13/2025.

Tri-Party Agreement Issues and Action Items and Key Documents

For reference, see attached, “*DOE-HFO/Ecology TPA and CD Agreements, Issues and Action Items – July 2025 Meeting*”.

Emergent Issues (Past 3 Months):

None

Actions:

Action No. 1 (TF-24-05-01): TPA Milestones M-042-03 and M-042-04 call for activating cross-site transfer lines SLN-3150 by 12/31/2030, and SLL-3160 by 12/31/2036. DOE-HFO is still in the planning stages for developing schedules and details for meeting those milestones and will share those details with Ecology when those details are developed. There was no change in status. *This action remains open.*

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Action No.2 (TF-25-05-01): Ecology requested DOE-HFO provide the intrusion investigation results for tanks 241-BY-108, 241-TX-101, and 241-TX-302B. DOE-HFO provided the results via a briefing to Ecology on 07/09/25, as such Ecology agreed this action could be closed. Ecology asked that it be kept apprised of all intrusion investigation results. DOE-HFO added that intrusion investigations are reported regularly as part of its requirements per TPA Primary Document RPP-9937, *Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements*. Briefings are held annually with Ecology as well as quarterly (in this meeting). *This action was closed.*

New Action Added: (TF-25-7-01): Ecology requested a discussion on the status of a draft TPA change control form drafted by Ecology and shared with DOE-HFO on 02/25/25, which proposes milestones for the design and construction of the remaining single-shell tank interim surface barriers for Tank Farms S/SX, BX/BY, and A/AX. DOE-HFO committed to scheduling a meeting with Ecology to discuss the draft TPA change control form.

Key Documents List and Status of Current TPA Change Notices:

The Key Documents List (*Items Recently Submitted to the Hanford Administrative Record and Status of Current TPA Change Notices*) was presented and is attached to these meeting minutes.

2.0 AGREED ORDER STATUS

*NOTE: On August 25, 2022, the State of Washington Department of Ecology Administrative Order, Agreed Order Docket No. 21304, Agreed Order Between Ecology and the DOE-HFO, regarding Single-Shell Tanks 241-B-109 (B-109) and 241-T-111 (T-111) was signed. On November 20, 2024, an addendum was added to the Order to include Tank 241-T-101 (T-101). For a complete list and status of all Agreed Order requirements, see, “TWO Agreed Order Requirements” attached to these meeting minutes.

- DOE-HFO noted several Agreed Order required documents are currently in the comment-response process (with the TPA Primary Document review process being applied).
- Agreed Order #A-022-09, Complete construction of interim barrier at T-Farm. DOE-HFO noted a day-for-day slip from the original due date for completing this requirement began on 03/12/25. Due date will be set upon Ecology approval of the T-Farm interim barrier design.
- Agreed Order #A-022-10, Complete construction of interim barrier at B-Farm. DOE-HFO noted a day-for-day slip from the original due date for completing this requirement began on 06/10/25. Due date will be set upon Ecology approval of the B-Farm interim barrier design.

3.0 222-S LABORATORY

*NOTE: The 222-S Laboratory is reported at length on a bi-monthly basis. On alternate months, the 222-S Laboratory information is condensed and summarized. This month was the expanded report.

Laboratory Production

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- From October 1, 2024 to June 22, 2025, Navarro-ATL delivered 92 of 94 (98%) high-level radioactive sample deliverables on-time or early, while 243 of 255 (95%) low-activity sample analysis project reports were delivered on-time or early.

Project Status

- Received samples from:
 - Tank 241-AP-103 Grab samples
 - Tank 241-AP-108 Grab samples
 - Tank 241-SY-102 Core samples
 - AZ-301 Condensate Catch Tank samples
 - 219-S Tank 102 samples
 - Vadose soil samples from S-SX Tank Farms
- DOE-HFO noted the completion of the 219-S Tank 102 samples and it being a significant step towards tank transfers to the SY Double-Shell Tank (DST) Farms. The transfer to the SY Tank Farm occurred in May 2025.

Significant Accomplishments

- Refurbished 207-SL Retention Basin and transferred gray water to Treated Effluent Disposal Facility. DOE-HFO added that a discovery of a failed valve led to an earlier-than-planned refurbishment project, which was originally scheduled for 2026. The refurbishment included draining and resealing two basins and putting three aboveground tanks back into service. The refurbishments should keep the facility in service for the next 20 to 25 years.
- Transferred 219-S Tank 102 waste to DST 241-SY-101
- Installed ICP-MS instrument in Room 1J
- Completed fieldwork, testing, and turnover of all fire systems to facility operations
- 222-S Laboratory delivered the following final laboratory reports during May and June 2025:
 - Tank 241-AZ-102 Evaporator Feed Grab
 - Tank 241-AZ-102 Boildown Study
 - Tank 241-AP-102 Boildown Study
 - Corrosion Assessment of Tank-241-AN-102 Syringe Core Segments
 - Tank 241-AP-102 Evaporator Feed Grab
 - Tank 241-SY-102 Grab
 - Stir Bar Sorptive Extraction of pretreated Tank 241-SY-101 Process Tote samples
 - Tank 241-AX-101 Dissolution Study
 - Tank 241-AP-103 Cooling Study in Support of Evaporator
 - AZ-301 Condensate Catch Tank samples
 - S-SX Tank Farm Vadose (Cores D0600, Shallow Borehole Set 2)

Significant Planned Activities

- Receive and analyze samples from:
 - Tank 241-AP-106 Grab
 - Tank 241-AP-107 Grab
 - Tank 241-AZ-102 Core
 - Tank 241-AP-108 Grab

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- Vadose soil samples from S-SX Tank Farms
- Transfer 219-S TK-102 contents to Tank 241-SY-101
- Complete laboratory room 4C renovation (adding an additional hood to the room, completion targeted for end of July 2025)
- Repair roof on east side of 222-S Building
- Analytical instrument installations

Equipment Upgrades

- Procure and install instrument upgrades in FY 2025. Status:
 - X-Ray Diffractometer – instrument received; installation planned for fourth quarter of FY 2025
 - Inductively Coupled Plasma-Mass Spectrometer – instrument received; installation planned for fourth quarter of FY 2025
 - Differential Scanning Calorimeter – instrument received; installation planned for fourth quarter of FY 2025
 - Total Organic Carbon Analyzer – instrument received; installation planned for fourth quarter of FY 2025
 - Gas Proportional Counters – instrument received; installation planned for fourth quarter of FY 2025

Analytical Performance

- DOE-HFO reported the 222-S Laboratory had a 98.9% Proficiency Testing rate for the FY to-date (including 193 of 197 correct samples during May and June 2025 and 662 of 669 correct samples for FY 2025).
- DOE-HFO reported that Hold Time Performance for May 2025 was 97.2% and 98.6% for June 2025. DOE-HFO added its expectation is 95%, noting the recent good performance.
- DOE-HFO reported that June 2025 was the first use of an outside laboratory testing for a new organic analysis technique, with all tests being correct.
- DOE-HFO added that the proficiency rate rebounded well from an equipment failure in April 2025.
- Accreditations:
 - American Industrial Hygiene Association (AIHA) accreditation effective through May 1, 2026.
 - Ecology accreditation effective through November 21, 2025.

TSD Status

- See attached 222-S Laboratory presentation page 10 for the full listing.
- DOE-HFO reported that May and June 2025 reflected relatively low numbers of waste shipped. Waste went to on-site locations, the Environmental Restoration Disposal Facility, and off-site to certified waste acceptance facility, Perma-Fix of Florida, Inc. DOE-HFO added that Perma-Fix, Florida is now being used instead of Clean Harbors, Inc. of Tacoma, WA, which has ended its DOE contracts.

Issues/Other Items

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- Ecology asked DOE-HFO if the 222-S Laboratory was expecting any near-term issues in its efforts to support the Waste Treatment and Immobilization Plant (WTP) when the Direct Feed Low-Activity Facility becomes operational, or any other support needed by the lab. DOE-HFO responded that the lab has been in constant contact with the WTP and Tank Waste Operations projects in planning its support, and that no near-term issues are anticipated.

4.0 SYSTEM PLAN

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months.

- Initiate scenario selection discussions for the System Plan, Revision 11 in support of Milestones M-062-40K and M-062-40L. DOE-HFO added that initial discussions with Ecology began on June 30, 2025.

Issues/Other Items

- Ecology asked if DOE-HFO was still on schedule to provide Ecology with the System Plan “baseline blue sheet” the week of July 14, 2025. DOE-HFO replied it was still on schedule to provide it.

5.0 ACQUISITION OF NEW FACILITIES

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

6.0 ALTERNATIVE TREATMENT FOR 200 WEST AREA

Significant Past Accomplishments

- Issued the draft *Supplement Analysis of the Final Tank Closure and Waste Management Environmental Impact Statement under the National Environmental Policy Act* for a public comment period on March 24, 2025 (reference AR-33608). The 60-day extended public comment period concluded on May 23, 2025. DOE-HFO is currently working on the responsiveness summary (response to public comments).

Significant Planned Actions in the Next Six Months

- Issue a Draft Waste Incidental to Reprocessing (WIR) Evaluation under the DOE radioactive waste management program for a public comment period in 2025. Ecology asked DOE-HFO about progress on getting the draft WIR released for public comment.

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DOE-HFO replied it is encountering delays in getting DOE-Headquarters approval, mostly due to as-yet unconfirmed positions in department leadership. DOE-HFO hopes to see acceleration of the approval once the DOE-Environmental Management Secretary is confirmed by Congress.

Issues/Other Items:

- Nothing reported.

7.0 SUPPLEMENTAL TREATMENT AND RCRA PART B PERMIT APPLICATIONS

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

8.0 LOW ACTIVITY WASTE PRETREATMENT SYSTEM (LAWPS)

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Complete Advanced Modular Pretreatment System (AMPS) design. Design is now at 90% completion, and DOE-HFO expects 100% design completion by the end of 2025.

Issues/Other Items

- Ecology asked if the 200 East AMPS and 200 West AMPS were essentially the same design, DOE-HFO replied that they are, but with some small footprint differences. DOE-HFO committed to having a discussion with Ecology to illustrate the similarities and differences in the two designs.

9.0 TANK-SIDE CESIUM REMOVAL SYSTEM (TSCR)

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Initiate TSCR Campaign 2, (forecasted start in August 2025).

Issues/Other Items

- DOE-HFO reported that TSCR was currently in a maintenance outage.

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10.0 TEST BED INITIATIVE (TBI) DEMONSTRATION

Significant Past Accomplishments

- Completed the shipment of all six containers to offsite licensed facilities for grouting and disposal on April 29, 2025. DOE-HFO added that EnergySolutions completed their disposal of TBI waste on May 29, 2025, and Waste Control Specialists completed their disposal on June 20, 2025. All waste shipment containers are now back on site, according to plan.

Significant Planned Actions in the Next Six Months

- Remove TBI equipment from Tank 241-SY-101 and the SY Tank Farm. DOE-HFO added an update to note this has since been completed.

Issues/Other Items

- Nothing reported.

11.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments

- Completed the 242-A Evaporator Campaign EC-11.
- Completed the 242-A Evaporator Campaign EC-12.
- Completed the 242-A Evaporator Campaign EC-13.

Significant Planned Actions in the Next Six Months

- Perform 242-A Evaporator Campaigns EC-14 and EC-15. DOE-HFO added that EC-14 is scheduled for August 2025.

Issues/Other Items

- Ecology asked if the 242-A Evaporator Campaign EC-13 took longer than other evaporator campaigns. DOE-HFO replied that campaigns EC-11 through EC-13 each took about the same time.

12.0 LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT TREATMENT FACILITY (LERF/ETF)

Significant Past Accomplishments

Operations

- Completed 3.5-million-gallon campaign. DOE-HFO provided an update to note that during the current campaign, the total gallons processed was now slightly more than 4 million.

Projects

- Nothing reported.

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Significant Planned Actions in the Next Six Months

Operations

- Nothing reported.

Projects

- Nothing reported.

LERF Volumes

- See pg. 18 of the May 2025 TPA Monthly Report for a full listing.

Issues/Other Items

- Ecology asked if DOE-HFO had experienced any issues with the secondary stream at LERF. DOE-HFO replied that they had not experienced any issues to date.

13.0 TANK SYSTEM UPDATE

13.1 Double-Shell Tank Integrity

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Ultrasonic Testing Report Status

- Nothing reported.

Issues/Other Items

- Nothing reported.

13.2 Single-Shell Tank Integrity

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Complete deployment of Cold Spray System and coating application in Tank 241-AN-105. DOE-HFO added that it expected to complete the cold spray application by July 14, 2025.

RPP-9937 Rev. 5 Updates

- Nothing reported.

Issues/Other Items

- Nothing reported.

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14.0 INDEPENDENT QUALIFIED REGISTERED PROFESSIONAL ENGINEER (IQRPE) ACTIVITIES

- Nothing reported.

15.0 IN-TANK CHARACTERIZATION AND SUMMARY

15.1 Reports Completed or Released

- Nothing reported.

15.2 Tank Sampling

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

15.3 Best-Basis Inventory Updates

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

16.0 SINGLE-SHELL TANK CLOSURE PROGRAM

Significant Past Accomplishments

- DOE-HFO responded to Ecology comments on the FY 2023 interim surface barriers annual monitoring report and transmitted an updated RPP-RPT-64887, FY2023 Interim Surface Barriers Annual Monitoring Report, Rev. 1, via letter 25-TWO-0065 on May 12, 2025.
- DOE-HFO submitted RPP-PLAN-66053, Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA U, Revision 0 to Ecology for review via letter 25-TWO-0066 on May 13, 2025, to fulfill Milestone M-045-110.
- DOE-HFO submitted RPP-PLAN-64743, Phase 2 RCRA Facility Investigation for WMA A-AX, Revision 0 to Ecology for review via letter 25-TWO-0068 on May 14, 2025, to partially fulfill Milestone M-045-106.

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Significant Planned Activities in the Next Six Months

- Ecology complete review of RPP-PLAN-65977, Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA S-SX by June 23, 2025, in accordance with Ecology's second comment period extension provided via letter 25-NWP-080. (Note: Ecology provided its comments on RPP-PLAN-65977 on June 23, 2025, reference letter NWP-097.)
- Ecology complete review of RPP-ENV-64037, TPA Appendix I WMA A-AX Performance Assessment for Closure Volume 3 - Risk Assessment of Contaminated Soils and Vadose Zone Sediments by July 10, 2025, in accordance with Ecology's second comment period extension provided via letter 25-NWP-077. Ecology provided an update to note that its comment response period had been extended to August 28, 2025 (reference Ecology letter 25-NWP-107).
- Ecology complete review of RPP-PLAN-66053, Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA U by July 12, 2025. Ecology provided an update to note that its comment response period had been extended to August 12, 2025 (reference Ecology letter 25-NWP-110).
- Ecology complete review of the RPP-PLAN-64743, Phase 2 RCRA Facility Investigation Report for WMA A-AX by July 13, 2025. Ecology provided an update to note that its comment response period had been extended to August 12, 2025 (reference Ecology letter 25-NWP-101).

Issues/Other Items

- Nothing reported.

17.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Significant Past Accomplishments

- DOE-HFO completed the 30% design for the first four S-Farm tank equipment installations.
- Also refer to the Consent Decree portion of these meeting minutes (Section 20.0) for additional information.

Significant Planned Activities in the Next Six Months

- Refer to the Consent Decree portion of these meeting minutes (Section 20.0) for additional information.

Issues/Other Items

- Refer to the Consent Decree portion of these meeting minutes (Section 20.0) for additional information.

18.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE

Base Operations:

The April 2025 variances below do not impact TPA milestones.

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*NOTE: The cost and schedule variances are one month behind the reporting than the rest of the May 2025 TPA Monthly Report.

- The month showed a favorable schedule variance of approximately \$1.68M.
- The current month showed a favorable cost variance of \$2.69M.

Waste Feed Delivery/Treatment:

The April 2025 variances below do not impact TPA milestones.

*NOTE: The cost and schedule variances are one month behind the reporting than the rest of the May 2025 TPA Monthly Report.

- The month showed a favorable schedule variance of \$3.2M.
- The month showed a favorable cost variance of \$2.13M.

Treat Waste:

The April 2025 variances below do not impact TPA milestones.

*NOTE: The cost and schedule variances are one month behind the reporting than the rest of the May 2025 TPA Monthly Report.

- The month showed a favorable variance of \$1.65M
- The month showed an unfavorable cost variance of \$57,522 (below the reporting threshold).

Issues/Other Items

- Nothing reported.

19.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS

Consent Decree Milestones

DOE-HFO reported Consent Decree milestones as Completed, On Schedule or At Risk (see pages 1-2 of the DOE-HFO May 2025 Consent Decree Monthly Report as well as individual sections of these meeting minutes).

Consent Decree Issues and Action Items

For reference, see attached “*DOE-HFO/Ecology TPA and CD Agreements, Issues and Action Items July 2025 Meeting*”.

Emergent Issues:

There are no current emergent issues.

Action Items:

Action No. 1 (WTP-25-01-01): Ecology requested a briefing on the technical interface between the Waste Transfer Vault and the High-Level Waste (HLW) Facility and the schedule for when the vault will begin to support the HLW Facility. There was no change in status – briefing pending.

Action No. 2 (WTP-25-05-01) – Ecology requested a copy of the Pretreatment (PT) Facility Reutilization Study. DOE-HFO reported the release of the PT Facility Reutilization Study is being hampered by a slow approval process by DOE-Headquarters/Environmental Management, which is in the midst of a large organizational transition, due to the new Presidential

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administration. DOE-HFO did commit, however, to holding a briefing for Ecology with summary slides on the content of the study and is targeting the week of July 21, 2025 to provide the briefing to Ecology.

20.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Project Schedule and Cost Variance Performance (Current as of April 2025)

- DOE-HFO reported a favorable schedule variance of approximately \$3.5M.
- DOE-HFO reported a favorable cost variance of approximately \$382,300.
- Neither of the above variances affect TPA or CD milestones.

Significant Accomplishments during the Prior Month

Completed Accomplishments

- Nothing reported.

On-Going Activities

- Continued Tank A-101 retrieval operations. The total waste volume retrieved as of the end of May 2025 was approximately 56 percent. DOE-HFO added an update to note that volume retrieved was now at approximately 75%.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- DOE-HFO noted a change in the technical lead for the Single-Shell Tank Retrieval Program, from Jim Greene to Katie Wong.

21.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

Significant Accomplishments during the Prior Month

- Nothing reported.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

22.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

Project Schedule and Cost Variance Performance

NOTE: the cost and schedule variances are one month behind the reporting of the rest of the May 2025 Consent Decree Monthly Report.

For April 2025, DOE-HFO reported an unfavorable schedule variance of approximately \$1.3M.

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- Schedule performance for HLW Facility design was nearly 20 percent behind schedule associated with delays in emissions modeling, off gas studies, and operational research modeling activities, and delays to the glass former reagent facility design to address value engineering study recommendations. Through April 2025, completion of 90 percent system design reviews has increased to approximately 4 months ahead of the deterministic completion date Bechtel National, Inc. (BNI) provided in its November 2023 proposal for the design completion period.
- Schedule performance in construction was 20 percent ahead of plan due to favorable performance in the discrete accounts attributed to construction activities for eight over-the-top equipment items being set in April. Completion of the eight sets and associated predecessor work reflects a mix of schedule recovery which contribute to favorable schedule performance for April 2025. Additionally, fireproofing of roof steel continues ahead of schedule and favorable performance resulting from liner plate efficiencies and uninterrupted work fronts for export handling crane, bogie, and melter rail alignment.
- DOE-HFO noted that there is no impact to any of the 60 process and utility system design reviews, which are all operational research and technology related activities.
- DOE-HFO added that the schedule is still impacted by delays associated with the glass former reagent support facility design, as value engineering alternatives were being evaluated.

For April 2025, DOE-HFO reported a net unfavorable cost variance of approximately \$2.0M.

- The unfavorable cost variance was offset by cost performance on the HLW Facility, which was a favorable \$1.1 million. The majority of the favorable variance is associated with installing eight over-the-top equipment items with fewer resources than planned.
- The current month cost variance for Project Services was an unfavorable \$3.3 million, due to time-dependent costs for DFLAW being incurred later than baseline completion.

LAW Facility, Balance of Facilities and Lab (LBL)/DFLAW Estimate at Completion (EAC) Value

For the April 2025 reporting period, LBL/DFLAW reported an EAC decrease of approximately \$4.2M, due to:

- \$3.8 million overall increase associated with the acceleration of Critical Decision-4A to June 30, 2025, and the reforecasting of remaining work and subcontract support commitment values.
- DOE-HFO added that there is no negative impact to the critical path schedule.

Issues/Other Items

- Nothing reported.

23.0 PRETREATMENT FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Nothing reported.

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Ongoing Activities:

- Continued to implement asset maintenance at the PT Facility to protect equipment and structures and to ensure design documents are maintained.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- See Section 19.0, Action Items (Action No. 2, WTP-25-05-01) of this report.

24.0 HIGH-LEVEL WASTE FACILITY

Project Schedule and Cost Variance Performance

- See Section 22.0.

Significant Accomplishments during the Prior Month

- BNI transmitted the Waste Transfer Vault HLW interface functions, requirements, and critical assumptions document developed by BNI and Hanford Tank Waste Operations & Closure to DOE-HFO.
- BNI issued the construction, testing, operations, and maintenance report for the HLW facility network infrastructure and communications electrical systems.
- BNI submitted HLW Safety Design Strategy, Rev. 2 for DOE-HFO approval.
- BNI set over-the-top HLW melter feed process system wall box.
- BNI set over-the-top HLW canister receipt handling system shield doors.
- BNI set over-the-top HLW filter cave handling system crane.

Ongoing Activities:

DOE-HFO reported the following:

- Continued contract negotiations with BNI associated with the HLW Facility Phase IA design completion period proposal.
- HLW Facility 90 percent system design reviews remain a top priority. Eleven detailed (90 percent) design reviews for the HLW Facility are planned in calendar year 2025. The next two are planned for completion in August 2025 (plant cooling water system and radioactive liquid waste disposal system).
- Concrete placement continues to support building enclosure. Twenty-nine over-the-top equipment items (24 completed to date) and 12 concrete placements are planned for calendar year 2025 (4 completed to date).
- Continued to advance HLW Facility design and hazard analyses for key mechanical and process systems.
- Continued to perform nuclear safety hazard analysis work for the balance of HLW Facility process and utility systems.
- Continued to evaluate flowsheet and waste feed vector requirements associated with DFHLW feed alternatives.

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- Continued to review procured and stored material to determine fit for use due to potential obsolescence, aging, and alignment with HLW Facility design.
- Continued installation of formwork, rebar, and steel framing for concrete slab placements to support building enclosure.
- Continue to support system specific commissioning, testing, operations, and maintenance reviews to support design progression.

Significant Planned Activities in the Next Month

- Contract negotiations for Phase 1A of the HLW design completion period are expected to begin.
- Set over-the-top HLW canister export handling system shield door, which was delayed from May, and HLW melter feed process system wall box.

Issues/Other Items

- Ecology asked if HLW system design was in any schedule jeopardy that may push completion into 2028, specifically if contract negotiations would have an impact. DOE-HFO replied that design was currently 85 days ahead of schedule but acknowledged that the pursuit of possible commercial options for areas like the Balance of Facilities and the Glass Former Reagent Facility have slipped because of resources devoted to the DFLAW mission, but DOE-HFO stressed there is no overall impact to design completion and work plan/contract negotiations are not having a negative effect.

25.0 LOW-ACTIVITY WASTE FACILITY

Project Schedule and Cost Variance Performance

- See WTP section.

Significant Accomplishments during the Prior Month

- Started nitrate feed.
- Completed contractor operational readiness review. DOE-HFO added an update to note that the DOE operational readiness review was also completed (July 1, 2025), with DOE approval given to initiate hot commissioning of the LAW Facility.
- Completed bubbler installation in Melter 1. DOE-HFO added an update to note that bubblers in both Melters 1 and 2 were now changed out.
- Completed In-Service Leak Test for AP-02D pump pit jumper to support waste return line operation. DOE-HFO added that Tank Waste Operations are physically/mechanically ready to support the LAW Facility. Related, DOE-HFO reported that a successful dry run of waste transfers from Tank AP-106 to the LAW Facility was conducted.

On-Going Activities

- Maintain both LAW Melters at operating temperature and glass pool level.
- Continue activities (e.g., equipment removal/installation) to support the phased upgrade of the LAW glass former system.

Significant Planned Activities in the Next Month

- LAW secondary off-gas/vessel vent process system tuning with nitrate feed.

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- Relative Accuracy Test Audit prerequisites
- Initiate “Shakedown” testing.
- Continue activities to support the phased upgrade of the LAW glass former system.

Issues/Other Items

- DOE-HFO reported an upcoming key step in the startup phase of the LAW Facility is the Environmental Performance Demonstration Test (see “On-going Activities”, above), which has both a shakedown and a full testing phase. As part of this testing DOE-HFO conducted a Destruction and Removal Efficiency Test. During that testing, the project experienced issues with the secondary offgas/vessel vent process system exhausters, which failed. Repairs were successful and the project expects to resume dual melter operations with days.

26.0 BALANCE OF FACILITIES

Project Schedule and Cost Variance Performance

- See Waste Treatment Plant section.

Significant Accomplishments during the Prior Month

- Nothing reported.

On-going Activities:

- Nothing reported.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

27.0 ANALYTICAL LABORATORY

Project Schedule and Cost Variance Performance

- See Waste Treatment Plant section.

Significant Accomplishments during the Prior Month

- Nothing reported.

Ongoing Activities:

- Nothing reported.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.



THE HANFORD SITE

Hanford Field Office Consent Decree Monthly Report Tri-Party Agreement Monthly Report

Monthly Reporting Period

May 1 – 31, 2025

July 10, 2025

- Safety Culture Share
- 222-S Laboratory (8:30 am – 9:00 am)
- Tank Farms (9:00 am – 10:15 am)
 - Past Agreements/Actions/Emergent Issues
 - Key Documents
 - Agreed Order Action Items
 - Consent Decree
 - Tri-Party Agreement
 - Questions?
- WTP (10:15 am – 11:00am)



THE HANFORD SITE

222-S Laboratory TPA Project Manager Meeting

Reporting Period

May 1 – June 30, 2025

July 10, 2025

- Bottom Line

- Laboratory Production:

- From October 1, 2024, to June 22, 2025, the contractor delivered 92 of 94 (98%) high-level radioactive sample deliverables on-time or early
 - 243 of 255 (95%) low-activity sample analysis project reports were delivered on-time or early

- Project Status
 - Received samples from:
 - Tank 241-AP-103 Grab samples
 - Tank 241-AP-108 Grab samples
 - Tank 241-SY-102 Core samples
 - AZ-301 Condensate Catch Tank samples
 - 219-S Tank 102 samples
 - Vadose soil samples from S-SX Tank Farms

- Significant Accomplishments
 - Refurbished 207-SL retention basin and transferred gray water to Treated Effluent Disposal Facility
 - Transferred 219-S Tank 102 waste to 241-SY-101
 - Installed ICP-MS instrument in Room 1J
 - Completed fieldwork, testing, and turn over of all fire systems to facility operations
 - 222-S Laboratory delivered the following final laboratory reports during May and June:
 - Tank 241-AZ-102 Evaporator Feed Grab
 - Tank 241-AZ-102 Boildown Study
 - Tank 241-AP-102 Boildown Study

- Significant Accomplishments (continued)
 - 222-S Laboratory delivered the following final laboratory reports during May and June:
 - Corrosion Assessment of Tank-241-AN-102 Syringe Core Segments
 - Tank 241-AP-102 Evaporator Feed Grab
 - Tank 241-SY-102 Grab
 - Stir Bar Sorptive Extraction of pretreated Tank 241-SY-101 Process Tote samples
 - Tank 241-AX-101 Dissolution Study
 - Tank 241-AP-103 Cooling Study in Support of Evaporator
 - AZ-301 Condensate Catch Tank samples
 - S-SX Tank Farm Vadose (Cores D0600, Shallow Borehole Set 2)

- Significant Planned Activities
 - Receive and analyze samples from:
 - Tank 241-AP-106 Grab
 - Tank 241-AP-107 Grab
 - Tank 241-AZ-102 Core
 - Tank 241-AP-108 Grab
 - Vadose soil samples from S-SX Tank Farms
 - Transfer 219-S TK-102 contents to Tank 241-SY-101
 - Complete laboratory room 4C renovation
 - Repair roof on east side of 222-S Building
 - Analytical instrument installations

- Equipment Upgrades
 - Procure and install five instrument upgrades in FY 2025

Instrument	Installation Status
X-Ray Diffractometer	Instrument received Installation Planned for FY 2025 Q4
Inductively Coupled Plasma – Mass Spectrometer	Instrument received Installation Planned for FY 2025 Q4
Differential Scanning Calorimeter	Instrument received Installation Planned for FY 2025 Q4
Total Organic Carbon Analyzer	Instrument Contract Pending Installation Planned for FY 2025 Q4
Gas Proportional Counters	Materials received Installation Planned for FY 2025 Q4

- Quality Assurance Evaluations/Proficiency Tests

Report Date	Reported	Correct	FY 2025 Study (%)
May	70	68	97.1
June	127	125	98.4
Total (FY 2025)	669	662	98.9%

- Hold Time Performance

Holding Times						
	FY 2021 Final	FY 2022 Final	FY 2023 Final	FY 2024 Final	May	June
% met	90.5%	95.4%	97.5%	96.6%	97.2%	98.6%

- Accreditations
 - AIHA Accreditation effective through May 1, 2026
 - Washington State Department of Ecology accreditation effective through November 21, 2025

Waste Shipped

Waste Type	Containers Shipped 5/1/2025 to 6/30/25	Receiving Facility
Low-Level Waste	3 RO/RO	ERDF
Nonregulated	0	N/A
Mixed & Low Level Mixed	1 RO/RO 5 Drums	ERDF PFFL
Hazardous	19 Drums	PFFL
Universal/Recycle	0	N/A

Waste Storage Inventory

Container Unit	Inventory (units)	219-S Tanks	Inventory (gal)	Max Volume (gal)
Room 4E	7 drums 14 containers	TK-101	131	3600
Room 2B	12 Drums	TK-102	3464	3600
DMWSA	119 Drums, 6 containers	TK-104	447	1710
T8 Alcove	(fixed)			

Questions?

DOE-HFO-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – July 2025 Meeting

Agreements:

1. Per an Ecology standing request (4/21/2016), DOE-HFO agrees to include any written directives given by DOE-HFO to the contractors for work required by the Consent Decree (CD) in future quarterly CD Reports (see CD Section IV-C-1-e).
2. The DOE-HFO and Ecology Project Managers have developed, signed, and entered an outline for the CD Tank Completion Certification into the TPA Administrative Record. A briefing to senior management will occur if any follow-on actions arise.

Ecology and DOE-HFO have agreed to move the TPA/CD Project Managers Meeting to the second Thursday of the month starting in December 2019. The TPA and CD monthly reports distribution will occur by the end of each month via link to the Admin Record. Ecology requested at the December 2019 meeting that this form be included with the email that includes the links to the monthly reports. This will be the format for report distribution and monthly meetings going forward.

(Updated information in [blue](#))

Emergent Issues (Past 3 months):

1. [None](#).

TANK FARMS OPERATIONS ACTION ITEMS

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-24-05-01 09 May 2024	Ecology requests a briefing on DOE-HFO’s plans for meeting TPA Milestones M-042-03 and -04, which call for the activation of SLN-3150 by 2030 and SLL-3160 by 2036. Both milestones include the requirement that, “Activation includes completion of all actions necessary to have the transfer line satisfy applicable requirements of the Hanford Sitewide Permit and Dangerous Waste Regulations”.	06/13/24 – DOE-HFO is preparing material for a briefing to Ecology. 07/11/24 – DOE-HFO inquired if Ecology still requests the briefing with the milestone (M-062-56) due date not being until 08/31/25. Ecology stated it did. DOE-HFO will provide the briefing. 08/08/24 – The Parties agreed that the transfer line briefing can be scheduled after the conclusion of the public comment period for the Holistic Negotiations Settlement	DOE-HFO	Open

DOE-HFO-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – July 2025 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		<p>Ecology requests that the briefing include:</p> <ol style="list-style-type: none"> 1. Development of the work plan for getting the cross-site transfer lines inspected and planning, including failure analysis work for SLL-3160. 2. Briefing dates for letting Ecology know the schedule for completing the milestone work for activating the lines. 3. If there will be any activities with respect to two lines (especially SLL-3160 for test failure) in the IQRPE evaluation and reporting 	<p>Agreement Proposed Changes. The public comment period ends September 1, 2024.</p> <p>September 2024 through January 2025 – No change in status. Briefing will be held upon finalization of the Holistic Negotiations Settlement Agreement TPA and Consent Decree milestones. The Final Approval Package was released January 10, 2025.</p> <p>02/13/25 – DOE-HFO is preparing material to brief Ecology. Ecology noted that designs for the transfer lines are due by 2027. Ecology asked that DOE-HFO also include information on how the cross-site transfer lines will be integrated with the West Area Risk Mitigation project and the upgrades to the SY Tank Farm.</p> <p>03/13/25 – No change in status. Ecology asked if DOE-HFO would be performing IQRPE’s on Transfer Lines SLN-3150 and SLL-3160 DOE-HFO replied (via an earlier email) that it would.</p> <p>April – June, 2025 – No change in status.</p>		
2	TF-25-05-01 08 May 2025	Ecology requests Intrusion Investigation results for tanks	06/12/25 – DOE-HFO estimated providing the briefing to Ecology in July 2025.	DOE-HFO	Open

DOE-HFO-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – July 2025 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		241-BY-108, 241-TX-101, and 241-TX-302B			

Documents Submitted to the Administrative Record (AR)

Other	Primary, Secondary, or Other	Requesting Agency	Request Date	Document Number	Revision	Title	Comment	AR Link or AR Accession No.	PMM Request Date	PMM Approved /Disapproved
N/A	Other	ECY/DOE	June 2025	HNF-EP-0182	448	Waste Tank Summary Report for Month Ending April 30, 2025	Supporting Documentation	AR-35066	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-56935	1	Practicability Evaluation Request to Forego a Third Retrieval Technology for Tank 241-C-112	Final WMA C Closure WIR Evaluation	AR-35113	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-CALC-55938	0	Estimated Waste Volume Remaining in Single-Shell Tank 241-C-110 After Hard Heel Retrieval	Final WMA C Closure WIR Evaluation	AR-35112	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-20	0	Vadose Zone Characterization Project at the Hanford Tank Farms: Tank Summary Data Report for Tank BY-103	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35068	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-22	0	Vadose Zone Characterization Project at the Hanford Tank Farms: Tank Summary Data Report for Tank BY-105	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35069	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-23	0	Vadose Zone Characterization Project at the Tank Farms: Tank Summary Data Report for Tank BY-106	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35070	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-24	0	Vadose Zone Characterization Project at the Hanford Tank Farms: Tank Summary Data Report for Tank BY-107	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35071	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-25	0	Vadose Zone Characterization Project at the Hanford Tank Farms: Tank Summary Data Report for Tank BY-108	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35072	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJ-HAN-29	0	Vadose Zone Characterization Project at the Hanford Tank Farms: Tank Summary Data Report for Tank BY-112	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35073	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	GJO-99-113-TAR/GJ-HAN-28	0	Hanford Tank Farms Vadose Zone: B Tank Farm Report	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35074	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-43704	1	Hanford BY-Farm Leak Inventory Assessment Report	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35085	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-6072	1	Site-Specific SST Phase 1 RFI/CMS Work Plan Addendum for WMA B-BX-BY	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35086	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-54911	1	Hanford Single-Shell Tank Leak Causes and Locations - 241-BY and 241-TY Farm	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35093	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-54913	0	Hanford Single-Shell Tank Leak Causes and Locations - 241-B Farm	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35094	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-PLAN-46652	1	Field Sampling and Analysis Plan for Soil Samples in Support of an Interim Barrier at BY Farm (Western Side)	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35087	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-PLAN-48107	0	Field Sampling and Analysis Plan for Soil Samples in Support of an Interim Barrier at BY Farm (Eastern Side)	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35089	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-50503	0	Final Analytical Report for Soil Samples in Support of an Interim Barrier at BY Farm	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35091	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-51271	0	Final Analytical Report for Soil Samples in Support of an Interim Barrier at BY Farm (Eastern Side)	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35092	10-Jul-25	

Documents Submitted to the Administrative Record (AR)

Other	Primary, Secondary, or Other	Requesting Agency	Request Date	Document Number	Revision	Title	Comment	AR Link or AR Accession No.	PMM Request Date	PMM Approved /Disapproved
M-045-123	Other	ECY/DOE	June 2025	WHC-SD-WM-TP-217	4	Tank 241-BY-106 Tank Characterization Plan	support of the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35095	10-Jul-25	
M-045-56	Other	ECY/DOE	June 2025	RPP-RPT-65687	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0490)	Associated with work proposed under milestone M-045-56	AR-35185	10-Jul-25	
M-045-56	Other	ECY/DOE	June 2025	RPP-RPT-65686	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0488)	Associated with work proposed under milestone M-045-56	AR-35184	10-Jul-25	
M-045-56	Other	ECY/DOE	June 2025	RPP-RPT-65688	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0492)	Associated with work proposed under milestone M-045-56	AR-35186	10-Jul-25	
M-045-56	Other	ECY/DOE	June 2025	RPP-RPT-65402	0	Completion Report for Interim Measures 241-B-Farm Soil Samples, Phase 1	Associated with work proposed under milestone M-045-56	AR-35260	10-Jul-25	
N/A	Other	DOE	June 2025	Correspondence No. 8955528	0	Revisions to the Dangerous Waste Part A Permit Application for the Double-Shell Tank Farms (WA7890008967) (S-2-3)	Support documentation for PNNL	AR-35301	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-PLAN-23827	4	Sampling and Analysis Plan for Single-Shell Tanks Component Closure	Final WMA C Closure WIR Evaluation	AR-35336	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-RPT-51386	1A	Tank 241-C-109 Hard Heel Retrieval Flowsheet	Final WMA C Closure WIR Evaluation	AR-35337	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-56935	1	Practicability Evaluation Request to Forego a Third Retrieval Technology for Tank 241-C- 112	Final WMA C Closure WIR Evaluation	AR-35113	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-13033	8-D	Tank Farms Documented Safety Analysis	Final WMA C Closure WIR Evaluation	AR-35347	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	RPP-13033	8R	Tank Farms Documented Safety Analysis	Final WMA C Closure WIR Evaluation	AR-35346	10-Jul-25	
M-045-106	Other	ECY/DOE	June 2025	HNF-3913	0	AX Tank Farm Soil Remediation Study	support the WMA A-AX Corrective Measures Study for HFFACO Milestone M-045-106 Part 2.	AR-35350	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-47562	1	Hanford BX-Farm Leak Inventory Assessments Report	support the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35351	10-Jul-25	
M-023-23	Other	ECY/DOE	June 2025	N/A	N/A	RPP-9937 Annual Meeting	Annual requirement	AR-35367	10-Jul-25	
M-045-123	Other	ECY/DOE	June 2025	RPP-RPT-63731	0	Estimated Leak Volume for Single-Shell Tank 241-B-109	support the WMA B-BX-BY RFI/CMS Work Plan and Data Quality Objectives report for HFFACO Milestone M-045-123	AR-35381	10-Jul-25	
N/A	Other	ECY	June 2025	RPP-CALC-66224	0	Tank 241-AX-101 Retrieval Tracking Volume Calculation	AX-101 Request to Forego Report	AR-35377	10-Jul-25	
N/A	Other	ECY	June 2025	RPP-PLAN-65200	4	Process Control Plan for Tank 241-AX-101 Retrieval	AX-101 Request to Forego Report	AR-35365	10-Jul-25	
N/A	Other	ECY	June 2025	RPP-RPT-64880	0	Retrieval Completion Report for Extended Reach Sluicing and High Pressure Water of Single-Shell Tank 241-AX-101	AX-101 Request to Forego Report	AR-35364	10-Jul-25	
N/A	Other	ECY	June 2025	RPP-52290	1	Practicability Evaluation Request to Forego a Third Retrieval Technology for Tank 241-C-108	AX-101 Request to Forego Report	AR-35360	10-Jul-25	
N/A	Other	ECY/DOE	June 2025	N/A	N/A	Meeting Notes: WMA S-SX Sample Interval Selection Meeting – D0604	support the WMA S-SX RFI	AR-35355	10-Jul-25	

TPA Change Notices

Milestone	CN No.	Document Number	Revision	Document Title	Description of Change	Comment	CN Status	CN Document Date	DOE CN Signature Date	ECY CN Signature Date	CN AR Link	CN Approved/ Disapproved/ Cancelled
No CN's for June												

Agreed Order Requirements for Single-Shell Tanks (SSTs) 241-B-109 and 241-T-111

Reference State of Washington Department of Ecology Administrative Order, [Agreed Order Docket No. 21304, Agreed Order between Ecology and DOE, regarding SSTs 241-B-109 and 241-T-111, dated August 25, 2022](#). The following table provides the status of the Agreed Order (AO) requirements:

No.	Due Date	Status	Requirement	AO Reference	DOE AM	Remarks
A-022-01	8/25/2023	Complete 8/18/2023	Submit SST System Leak Response Plan	AO V.A.1.i	Noyes, Delmar	Reference DOE letter 23-TF-0030 dated 8/18/2023, which transmitted RPP-PLAN-65643, "Single-Shell Tank System Leak Response Plan," Rev. 0 to ECY, completing this requirement.
A-022-02	8/25/2023	Complete 8/18/2023	Submit results of intrusion investigation and, if applicable, Intrusion Response Work Plan	AO V.B.1.ii	Noyes, Delmar	Reference DOE letter 23-TF-0031 dated 8/18/2023, which submitted RPP-RPT-64422, Tank 241-B-109 and 241-T-111 Intrusion Investigation and Intrusion Response Work Plan, Rev 0 to ECY, completing this requirement.
A-022-03	3/31/2027	On Schedule	If applicable, implement Intrusion Response Work Plan and submit final report on effectiveness of intrusion response actions	AO V.B.2	Bang, Ricky	Reference DOE letter 23-TWO-0024 dated 1/3/2024, which submitted RPP-RPT-64422, "Tank 241-B-109 and 241-T-111 Intrusion Investigation and Intrusion Response Work Plan," Rev. 1 to ECY, which identified the Final Report being issued by 3/31/2027.
A-022-04	8/25/2023	Complete 8/21/2023	Submit active ventilation practicability evaluation and determination	AO V.C.1.iv	Noyes, Delmar	Reference DOE letter 23-TF-0033 dated 8/21/2023, which submitted RPP-RPT-64081, "241-B-109 Active Ventilation Practicability Evaluation," Rev. 0 to ECY, completing this requirement.
A-022-05	2/1/2024	Complete 1/30/2024	If applicable, submit Active Ventilation Work Plan	AO V.C.1.v	Noyes, Delmar	Reference DOE letter 24-TWO-0006 dated 1/30/24, which submitted RPP-PLAN-65745, "Work Plan for Active Ventilation of 241-B-109 as an Interim Leak Response," Rev. 0 to ECY, completing this requirement.
A-022-06	TBD (Pursuant to approved Active Ventilation Work Plan schedule)	Complete 5/14/2024	If applicable, install and begin operation of active ventilation system on B-109	AO V.C.2.iii	Noyes, Delmar	Reference DOE letter 24-TWO-0059 dated 5/14/24, stating based on recent discussions with ECY, DOE has decided not to install an active ventilation system on Tank 241-B-109. This decision is made pursuant to Agreed Order Docket No. 21304, Section V.C.1.iii, which states that "installation [of an active ventilation system] will not be required if, based on the approved evaluation, DOE determines that [...] (iii) permitting or other requirements or issues (e.g., design limitations, scaling limitations) pose an unreasonable impediment to proceeding to installation."
A-022-07	8/31/2025	Complete 12/12/2024	Submit interim barrier design for T-Farm Submit revised RPP-RPT-61684, "Maintenance & Performance Monitoring Plan for the Interim Barriers" that includes the new 241-T Tank Farm barrier	AO V.D.1.i	Noyes, Delmar	Reference DOE letter 24-TWO-0167 dated 12/12/24, which submitted the T Tank Farm Interim Surface Barrier design package and RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev 4A, to complete this requirement.
A-022-08	8/31/2026	Complete 3/10/2025	Submit interim barrier design for B-Farm Submit revised RPP-RPT-61684, "Maintenance & Performance Monitoring Plan for the Interim Barriers" that includes the 241-B Tank Farm barrier	AO V.D.1.ii	Noyes, Delmar	Reference DOE letter 25-TWO-0029 dated 3/10/25, which submitted the B Tank Farm Interim Surface Barrier design package and RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 5 to complete this requirement.

Agreed Order Requirements for Single-Shell Tanks (SSTs) 241-B-109 and 241-T-111

Reference State of Washington Department of Ecology Administrative Order, [Agreed Order Docket No. 21304, Agreed Order between Ecology and DOE, regarding SSTs 241-B-109 and 241-T-111, dated August 25, 2022](#). The following table provides the status of the Agreed Order (AO) requirements:

No.	Due Date	Status	Requirement	AO Reference	DOE AM	Remarks
A-022-09	09/30/2028* *(Day-for-day schedule extension began on 3/12/25)	On Schedule	Complete construction of interim barrier at T-Farm *The barrier design should be approved by ECY, by November 30, 2025. ECY will authorize construction upon approval of the final design. A day-for-day slip in completing construction of the barrier will be given for each day construction is not authorized following 3 months after submittal.	AO V.D.2.i	Bang, Ricky	Reference DOE letter 24-TWO-0167 dated 12/12/24, which submitted the T Farm Interim Surface Barrier design package to ECY. Reference ECY letter 25-NWP-002 dated 1/02/25, which extended ECY's review/comment period on the T Farm Interim Surface Barrier design package to 2/25/25. Reference ECY letter 25-NWP-028 dated 2/19/2025, which transmitted comments to DOE on RPP-RPT-61684, T Tank Farm Interim Surface Barrier Design and the Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 4A. Reference DOE letter 25-TWO-0052 dated 4/10/25, which responded to ECY's comments by providing RPP-RPT-61684, Rev 5A, and noted the day-for-day slip in completing construction of the barrier began on March 12, 2025, three months after submittal of the interim surface barrier design with letter 24-TWO-0167 . Reference ECY letter 25-NWP-071 dated 5/08/2025, which extended ECY's review/comment period on the T-Tank Farm Interim Surface Barrier Design and RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 5A to 6/25/2025. Reference ECY letter 25-NWP-095 dated 6/18/25, which transmitted comments to DOE on RPP-RPT-61684, Rev 5A.
A-022-10	09/30/2028* *(Day-for-day schedule extension began on 6/10/25)	On Schedule	Complete construction of interim barrier at B-Farm *The barrier design should be approved by ECY, by November 30, 2026. ECY will authorize construction upon approval of the final design. A day-for-day schedule extension for completing construction of the barrier will be given for each day construction is not authorized following 3 months after submittal.	AO V.D.2.ii	Bang, Ricky	Reference DOE letter 25-TWO-0029 dated 3/10/25, which submitted the B Tank Farm Interim Surface Barrier design package to ECY. Reference ECY letter 25-NWP-049 dated 3/24/25, which extends ECY's review/comment period on the B-Tank Farm Interim Surface Barrier Design to 6/10/25. Reference ECY letter 25-NWP-084 dated 6/09/25, which submitted comments to DOE on the B-Tank Farm Interim Surface Barrier Design and RPP-RPT-61684, Rev 5.
A-022-11	10/31/2024	Dispute Resolution Complete 1/14/2025	Complete System Plan 10 milestone negotiations *A day-for-day slip in completing these milestone negotiations will be given for each day that the deadline for submission of System Plan 10 under HFFCO Milestone M-062-40 is extended by mutual agreement of the Parties.	AO V.E.2.i	Noyes, Delmar	Reference DOE letter 24-TWO-0077 REISSUE dated 7/03/2024, which requested to initiate milestone negotiations with ECY. DOE and ECY conducted first milestone negotiation session on 9/11/2024 and negotiations were ongoing through 10/31/2024. Reference DOE letter 24-TWO-0133 dated 11/01/24, which invoked dispute resolution with ECY regarding Agreed Order requirement, V.E.2.i (A-022-11), "Negotiate new HFFACO milestones for the retrieval of SSTs 241-T-111 and 241-B-109. On 11/27/2024, dispute was extended at the PM level from 12/02/2024 until 1/31/2025. Reference approval of TPA Change Control Form M-45-25-01 on 1/14/25, which resolved the dispute and completed this requirement by

Agreed Order Requirements for Single-Shell Tanks (SSTs) 241-B-109 and 241-T-111

Reference State of Washington Department of Ecology Administrative Order, [Agreed Order Docket No. 21304, Agreed Order between Ecology and DOE, regarding SSTs 241-B-109 and 241-T-111, dated August 25, 2022](#). The following table provides the status of the Agreed Order (AO) requirements:

No.	Due Date	Status	Requirement	AO Reference	DOE AM	Remarks
						establishing new TPA Interim Milestones M-045-140 and M-045-141 for retrieval of tank waste from SSTs 241-B-109 and 241-T-111.
A-022-12	8/25/2024	Complete 8/08/2024	Submit Leak Detection and Monitoring Technology Evaluation	AO V.F.1.ii	Noyes, Delmar	Reference DOE letter 24-TWO-0091 dated 8/08/2024, which submitted RPP-RPT-64595, Rev 0 to ECY for approval and completed this requirement.
A-022-13	TBD (Within 90 days of ECY's approval of the Leak Detection and Monitoring Technology Evaluation)	On Schedule	If applicable, submit Leak Detection and Monitoring Technology Work Plan	AO V.F.2.ii	Bang, Ricky	Reference DOE letter 24-TWO-0091 dated 8/08/24, which submitted RPP-RPT-64595, Rev 0 to ECY for approval. Reference ECY letter 24-NWP-177 dated 9/19/24, which extended their review/comment period until 11/08/24. Reference ECY letter 24-NWP-206 dated 11/08/24, which extended their review/comment period until 12/20/24. Reference ECY letter 24-NWP-224 dated 12/19/24, which transmitted comments on RPP-RPT-64595, Rev 0 to DOE for comment resolution. Reference DOE letter 25-TWO-0003 dated 1/15/25, which extended DOE's comment resolution period to 4/24/25. Reference ECY letter 25-NWP-014 dated 2/07/25, approving DOE's extension for comment resolution to 4/24/25. Reference DOE letter 25-TWO-0054 dated 4/17/25, which extended DOE's comment resolution period to 6/30/25. Reference ECY letter 25-NWP-064 dated 4/28/25, approving DOE's extension for comment resolution to 6/30/25. DOE letter 25-TWO-0069 dated 5/21/2025, which submitted RPP-RPT-64595, Rev 1 and responded to ECY's comments. Reference ECY letter 25-NWP-094 dated 6/20/25, which submitted comments to DOE on RPP-RPT-64595, Rev 1.
A-022-14	TBD (Pursuant to approved Leak Detection and Monitoring Technology Work Plan schedule)	On Schedule	If applicable, implement Leak Detection and Monitoring Technology Work Plan	AO V.F.2.iii	Bang, Ricky	

NOTES:

- On September 26, 2022, the Heart of America Northwest appealed the Agreed Order between Ecology and DOE, Docket No. 21304, regarding the response to the ongoing release of mixed radioactive hazardous waste from the leaking SSTs at the Hanford Nuclear Reservation (reference the [Case No. P22-073](#)).
- On May 10, 2023, the PCHB issued [Settlement Agreement PCHB No. 22-073](#) from the Heart of America Northwest appeal of the Agreed Order between Ecology and DOE.

Addendum to Agreed Order Requirements for Single-Shell Tank 241-T-101

Reference State of Washington Department of Ecology Administrative Order, [Addendum to Agreed Order Docket No. 21304, Agreed Order between Ecology and DOE, regarding SST 241-T-101](#), dated November 20, 2024. The following table provides the status of the AO requirements:

No.	Due Date	Status	Requirement	AO Reference	DOE AM	Remarks
A-024-01	1/31/2025	Complete 1/16/25	Submit results of 241-T-101 intrusion investigation and, if applicable, Intrusion Response Work Plan	AO Addendum V.B.1	Noyes, Delmar	Reference DOE letter 25-TWO-0002 dated 1/16/25, which submitted RPP-RPT-65278, "Tank 241-T-101 Intrusion Investigation and Intrusion Response Work Plan," Revision 0, to ECY.
A-024-02	Pursuant to approved Intrusion Response Work Plan schedule	On Schedule	If applicable, implement 241-T-101 Intrusion Response Work Plan and submit final report on effectiveness of intrusion response actions	AO Addendum V.B.2	Bang, Ricky	Reference ECY letter 25-NWP-023 dated 2/05/25, extending their review/comment period on RPP-RPT-65278, Tank 241-T-101 Intrusion Investigation and Intrusion Response Work Plan, Rev 0, to 4/16/25. Reference ECY letter 25-NWP-059 dated 4/16/25, extending their review/comment period on RPP-RPT-65278, Tank 241-T-101 Intrusion Investigation and Intrusion Response Work Plan, Rev 0, to 5/20/25. Reference ECY letter 25-NWP-069 dated 5/16/2025, which transmitted comments to DOE on RPP-RPT-65278, Rev 0. Reference DOE letter 25-TWO-0072 dated 6/02/25, which requested an extension to respond to ECY's comments to 7/25/25. Reference ECY letter 25-NWP-088 dated 6/13/25, which concurred with DOE's extension to 7/25/25 to resolve ECY's comments.
A-024-03	1/31/2025	Complete 1/16/25	Submit 241-T-101 active ventilation practicability evaluation and determination	AO Addendum V.C.1	Noyes, Delmar	Reference DOE letter 25-TWO-0006 dated 1/16/25, which submitted RPP-RPT-65234, "241-T-101 Active Ventilation Practicability Evaluation," Revision 0, to ECY.
A-024-04	Within 90 days of ECY's approval of the active ventilation practicability evaluation and determination	On Schedule	If applicable, submit 241-T-101 Active Ventilation Work Plan	AO Addendum V.C.2	Bang, Ricky	Reference ECY letter 25-NWP-023 dated 2/05/25, extending their review/comment period on RPP-RPT-65234, Tank 241-T-101 Active Ventilation Practicability Evaluation, Rev 0, to 4/16/25. Reference ECY letter 25-NWP-059 dated 4/16/25, extending their review/comment period on RPP-RPT-65234, Tank 241-T-101 Active Ventilation Practicability Evaluation, Rev 0, to 5/20/25. Reference ECY letter 25-NWP-078 dated 5/20/25, extending their review/comment period on RPP-RPT-65234, Rev 0, to 6/20/25. Reference ECY letter 25-NWP-096 dated 6/18/25, which submitted comments to DOE on RPP-RPT-65234, Rev 0.
A-024-05	Pursuant to approved Active Ventilation Work Plan schedule	On Schedule	If applicable, install and begin operation of active ventilation system on 241-T-101	AO Addendum V.C.3	Bang, Ricky	
A-024-06	1/31/2025	Complete 1/14/2025	Negotiate new HFFACO milestones for retrieval of tank 241-T-101	AO Addendum V.E	Noyes, Delmar	Reference approval of TPA Change Control Form M-45-25-02 on 1/14/25, which completed this requirement by establishing new TPA Interim Milestone M-045-143 for retrieval of tank waste from SST 241-T-101.

DOE-HFO-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – July 2025 Meeting

WASTE TREATMENT PLANT ACTION ITEMS

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	WTP-25-01-01 13 Mar. 2025	Ecology would like a briefing on the technical interface between the Waste Transfer Vault (WTV) and the High-Level Waste (HLW) Facility and the schedule for when the vault will begin to support the HLW Facility.	<p>03/13/25 – DOE-HFO targeted providing a briefing to Ecology sometime in May 2025.</p> <p>04/10/25 – No change in status.</p> <p>05/08/25 – DOE-HFO is working on a briefing for Ecology and projected giving the briefing on or around May 30, 2025.</p> <p>06/12/25 – DOE-HFO reported the Tank Waste Operations and Waste Treatment Plant Projects, and their respective contractors continue working together on design and interface of the WTV and HLW. The briefing to Ecology is still pending.</p>	DOE-HFO	
2	WTP-25-05-01 08 May 2025	Ecology requests a copy of the Pretreatment (PT) Facility Reutilization Study	<p>05/08/25 – DOE-HFO projected the study would be released by the end of June 2025 or sooner.</p> <p>06/12/25 – DOE-HFO updated the date it would potentially release the PT Reutilization study to July 2025. In the interim, DOE-HFO will brief Ecology on the latest developments and discussions being held regarding the study.</p>	DOE-HFO	

**DOE Tank Waste Operations/Waste Treatment and Immobilization Plant
Monthly Tri-Party Agreement/Consent Decree Project Managers Meeting
July 10, 2025**

ATTENDEES

Becky Blackwell, DOE-TWO
Jeff Cheadle, DOE-TWO
Mat Irwin, DOE-WTP
Chantal Martin, DOE-TWO
Erik Nelson, DOE-TWO
Will Ruane, DOE-TWO
Shane Serafin, DOE-WTP
Bibek Tamang, DOE-TWO
Tom Teynor, DOE-WTP
Elizabeth Vann-Clark, DOE-TWO
Craig Whiteley, DOE-WTP
Andy Wiborg, DOE-TWO
Katie Wong, DOE-TWO
Holly Bowers, H2C
Kate Draper, H2C
Maria Lopez, H2C
Don Heidelberg, HLMI

Eric Van Mason, HLMI
Cynthia Bounds, HMIS
Stephanie Brasher, HMIS
Michael Turner, HMIS
Debra Alexander, Ecology
Ambika Chakravartty, Ecology
Cathrene Glick, Ecology
Doug D'Hondt, Ecology
Bill Hudson, Ecology
Luissa Johnston, Ecology
Jeff Marusich, Ecology
Dan McDonald, Ecology
Steve Needles, Ecology
George Peck, Ecology
Eric Pierce, Ecology
Beth Rochette, Ecology
Matt Hendrickson, State of Oregon