

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

**May 8, 2025**



**DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree  
Monthly Project Managers Meeting Minutes  
May 8, 2025**

**CONCURRENCE SIGNATURES**

In accordance with the Tri-Party Agreement Section 4.1, Project Manager Role or Section 4.2, Interagency Management Integration Team, 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** Digitally signed by ANDERS  
WIBORG  
Date: 2025.05.27 12:12:09 -07'00'

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

**THOMAS TEYNOR** Digitally signed by THOMAS TEYNOR  
Date: 2025.05.27 12:01:58 -07'00'

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

 Digitally signed by  
Rochette, Beth (ECY)  
Date: 2025.06.10  
11:49:22 -07'00'


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

**McDonald, Dan (ECY)** Digitally signed by  
McDonald, Dan (ECY)  
Date: 2025.05.27  
14:39:50 -07'00'

Dan McDonald, Project Manager  
Washington State Department of Ecology

**Chakravartty, Ambika (ECY)** Digitally signed by  
Chakravartty, Ambika (ECY)  
Date: 2025.05.28 15:56:32  
-07'00'

Ambika Chakravartty, Project Manager  
Washington State Department of Ecology

 Digitally signed by  
Alexander, Debra (ECY)  
Date: 2025.06.02  
12:51:20 -07'00'

Debra Alexander, Project Manager  
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 Campagin
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
EVMS	earned value management system
FY	fiscal year
GFR	Glass Former Reagent
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-A/X	Waste Management Area A/AX
WMA-C	Waste Management Area C
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 July 10, 2025. The next TPA/CD TWO/WTP Quarterly Milestone Review Meeting is June 12, 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 March 1 – March 31, 2025, were entered into the Hanford AR on April 28, 2025. The meeting minutes from the April 10, 2025 TPA/CD TWO/WTP Monthly Project Managers Meeting were added to the Hanford AR on May 5, 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 March 2025 DOE-HFO TPA Monthly Report and throughout these minutes). DOE-HFO highlighted the completion of TPA Milestone M-045-136, Submit Retrieval Technology Work Plan on Single-Shell Tank Retrieval Technologies and Proposal for an Expert Advisory Panel, due 03/30/2025 and completed on 03/13/2025.

**Other Notes**

DOE-HFO informed Ecology that as of the next TPA monthly reporting period (April 2025), the Tank Waste Operations Manager will be Ricky Bang (acting), replacing Delmar Noyes, and the TPA Tank Waste Operations TPA Project Manager will be Andy Wiborg, replacing Ricky Bang. Correspondence was sent to the Parties on May 8, 2025 to formally note the change.

**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 –May 2025 Meeting*”.

**Emergent Issues (Past 3 Months):**

None

**Actions:**

**Action No. 1 (TF-23-12-01):** Ecology requested information on throughput/volume targets and actuals for:

- 242-A Evaporator Campaign (EC) #11

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- Effluent Treatment Facility
- Double Shell Tank capacity

DOE-HFO stated it had provided a briefing to Ecology on May 5, 2025, which Ecology agreed met the criteria of the action and concurred that the action could be closed. *This action was closed.*

**Action No. 2 (TF-24-05-01):** TPA Milestones M-042-03 and M-042-04 call for activating cross-site transfer lines SLN-3150 by 2030, and SLL-3160 by 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. Ecology also asked DOE-HFO for details on the cross-site transfer line connections to the SY Tank Farm. DOE-HFO agreed to provide that information to Ecology, though this aspect was not added to the formal action. *This action remains open.*

**Action No. 3 (TF-25-01-01):** Ecology requested copy of the Low-Level Waste Disposal Facility Federal Review Group (LFRG) Review Report for the Hanford Site Waste Management Area A-AX Performance Assessment for Closure. DOE-HFO reported that the final report was approved by the LFRG and is awaiting the transmittal of the report from DOE-Headquarters. There was no change in status this month. *This action remains open.*

**New Action Added: (TF-25-05-01):** Ecology requests Intrusion Investigation results for tanks 241-BY-108, 241-TX-101, and 241-TX-302B.

**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 that are currently in the comment-response process (with the TPA Primary Document review process being applied):
  - Agreed Order #A-022-08, Submit Interim Barrier Design for B-Farm and Updated Barriers Maintenance and Performance Plan, due 08/31/26 (completed 03/10/25). Ecology comment response due to DOE-HFO by 06/10/25 (date when barrier construction due date begins day-for-day slip).

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- Agreed Order #A-022-12, Submit Leak Detection and Monitoring Technology Evaluation, due date 08/25/24 (completed 08/08/24). DOE-HFO comments are due to Ecology by 06/30/25.
- Agreed Order #A-024-01, Submit results of 241-T-101 Intrusion Investigation and, if Applicable, Intrusion Response Work Plan, due 01/31/25 (completed 01/16/25). Ecology comments due to DOE-HFO by 05/20/25.
  - Ecology requested further Intrusion Investigation results for tanks 241-BY-108, 241-TX-101, and 241-TX-302B. This was captured as a formal action item and is not an Agreed Order requirement.
- Agreed Order #A-024-03, Submit 241-T-101 Active Ventilation Practicability Evaluation and Determination, due 01/31/25 (completed 01/16/25). Ecology comments due to DOE-HFO by 05/20/25.

### **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**

- From October 1, 2024 to April 20, 2025, Navarro-ATL delivered 62 of 63 (98%) high-level radioactive sample deliverables on-time or early, while 180 of 189 (94%) low-activity sample analysis project reports were delivered on-time or early.
- DOE-HFO added that its expectation is in excess of 90% on-time or early delivery of sample analysis, and as shown, the contractor is exceeding those expectations.

#### **Project Status**

- Received Samples From:
  - Tank 241-SY-102 core samples
  - Tank 241-A-102 solid grab samples
  - Tank 241-AP-101 grab samples
  - Tank 241-AP-108 grab samples
  - Vadose soil samples from S-SX Tank Farms
- DOE-HFO added that samples were not received during a week-and-a-half stretch during the reporting period where the laboratory was undergoing maintenance.

#### **Significant Accomplishments**

- Mitigated all 222-S Laboratory fire suppression system emergency impairments. DOE-HFO added that all flush and maintenance activities on the fire suppression systems within the laboratory and throughout the laboratory complex were complete and have been removed from emergency impairments.
- Completed refurbishment of 1F hot cell. DOE-HFO added that this refurbishment will help alleviate storage inventory of more than 3,500 archived samples currently stored in the 11A hot cell.
- Completed spring laboratory outage to perform preventative and corrective maintenance:

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- Restored facility Programmable Logic Controller tie-breaker functionality. DOE-HFO added that this was an 18-month long project and now that it has been completed, the laboratory now has a redundant power supply.
- Replaced facility air compressors (actuate HVAC dampers), a major safety feature which prevents contaminated air from entering the laboratory if the system should fail.
- Replaced WT-P-7 sump pump in 219-S Cell A.
- Replaced 296-S-16 exhaustor motor at 219-S. This allowed a key transfer from Tank 102 to the SY Tank Farm.
- Continued laboratory room 4C renovation.
- Emptied 207-SL Retention Basin after valve and transfer pump replacement (completed in May 2025).
- 222-S Laboratory delivered the following final laboratory reports during March and April 2025:
  - Tank 241-AY-102 Annulus Grab
  - Tank 241-AP-106 Grab TSCR DFLAW-01a Batch 4 Verification
  - Tank 241-AZ-301 Liquid Condensate Samples
  - S-SX Tank Farm Vadose (Cores D0580, D0582, D0586, D0588, D0578)

**Significant Planned Activities**

- Receive and analyze samples from
  - Tank 241-SY-102 core samples
  - Tank 241-AP-103
  - Tank 241-AZ-101 Grab and Core
  - Vadose soil samples from S-SX Tank Farms

**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 third quarter of FY 2025
  - Differential Scanning Calorimeter – instrument received; installation planned for third 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 99.4% Proficiency Testing rate for the fiscal year to-date (including 382 of 384 correct samples during March and April 2025 and 469 of 472 correct samples for Fiscal year 2025).
- DOE-HFO reported that Hold Time Performance for March 2025 was 99.5% and 93.2% for April 2025. DOE-HFO added that hold times for April 2025 were impacted by repairs done on a gas distribution line.

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- Accreditations:
  - American Industrial Hygiene Association (AIHA) accreditation effective through May 1, 2026
  - Washington State Department of Ecology (Ecology) accreditation effective through November 21, 2025
    - Received method accreditation from Ecology for Sorptive Microextraction as an organic compound preparation Method for SW-846 Method 8270E, dated April 4, 2025. DOE-HFO added that that this method is a unique organic analysis method developed in conjunction with the Tank Operations Contractor and the Pacific Northwest National Laboratory to conduct organic analysis with much better detection levels than previously achievable. It also reduces the number of samples necessary for analysis, which in turn reduces waste being produced to be sent back to the tank farm systems and reduces dose to the personnel performing the sampling.
    - Successful restoration of accreditation for volatile organic analysis analyte tetrachloroethylene after corrective actions were performed.

**TSD Status**

- DOE-HFO reported that waste was primarily shipped to on-site locations (the Environmental Restoration Disposal Facility and the Hanford Centralized Consolidation Recycling Center), but 50 drums were shipped off-site to PermaFix Northwest, which was a larger than usual number of drums shipped.
- DOE-HFO that waste storage in Rooms 4E and 2B is higher than usual, based on high sampling activity over the past winter.
- DOE-HFO reported that, as of today's meeting, Tank-102 was empty. DOE-HFO added that a new agitator motor recently installed in Tank-101 now allows a full transfer of contents in the tank, where in the past only partial transfers occurred due to concerns with solids in the tank.
- (See attached presentation for the full listing.)

**4.0 SYSTEM PLAN**

**Significant Past Accomplishments**

- Nothing reported.

**Significant Planned Actions in the Next Six Months.**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**5.0 ACQUISITION OF NEW FACILITIES**

**Significant Past Accomplishments**

- Nothing reported.

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**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 draft Supplement Analysis under the National Environmental Policy Act for a 30-day public comment period on March 24, 2025. DOE-HFO provided an update to note that the public comment period had been extended to 60 days.

**Significant Planned Actions in the Next Six Months**

- Nothing reported.

**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**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**9.0 TANK-SIDE CESIUM REMOVAL SYSTEM (TSCR)**

**Significant Past Accomplishments**

- Nothing reported.

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**Significant Planned Actions in the Next Six Months**

- Initiate TSCR Campaign 2.

**Issues/Other Items**

- DOE-HFO reported that TSCR was currently in a maintenance outage.
- Ecology asked about DOE-HFO's plans for storing treated TSCR liquid waste, noting that tanks in the AP Tank Farm were nearing capacity. DOE-HFO acknowledged that it currently projects that there will not be enough tank space to complete TSCR Campaign 2 prior to the start of DFLAW processing at the LAW Facility. DOE-HFO agreed to provide an informal briefing to Ecology on its storage options for TSCR treated waste.

**10.0 TEST BED INITIATIVE (TBI) DEMONSTRATION**

**Significant Past Accomplishments**

- Completed and submitted a Class 1 prime permit change notice on March 19, 2025 for additional time to complete the Engagement Strategy and ship the TBI containers.
- Completed and submitted a Class 1 prime permit change notice on March 24, 2025, to renew the Research, Development and Demonstration permit.

**Significant Planned Actions in the Next Six Months**

- Ship six process totes to offsite, licensed facilities where the waste will be grouted and disposed. DOE-HFO provided an update to note that waste shipments were sent. Three totes went to Clive, Utah on April 23, 2025 and the remaining three were sent to Andrews, Texas on April 24, 2025. Both shipments were successfully received. Confirmation was made of the successful grouting and disposal of the waste shipment in Utah, and DOE-HFO is awaiting confirmation that the waste was grouted and disposed at the Texas site. Ecology asked if the total volume of the grouted waste was known yet. DOE-HFO replied they were still waiting on that figure but cautioned that it had no contractual authority over the grouting process at the off-site facilities, which means the TBI waste could be grouted with other wastes and as such would not give an accurate projection of grouting Hanford-only waste.

**Issues/Other Items**

- Nothing reported.

**11.0 242-A EVAPORATOR STATUS**

**Significant Past Accomplishments**

- Evaporator campaigns 11 and 12 have been completed, resulting in approximately 245,000 gallons of tank volume gained.

**Significant Planned Actions in the Next Six Months**

- Perform 242-A Evaporator Campaigns EC-13 through EC-15.

**Issues/Other Items**

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- Nothing reported.

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

**Significant Past Accomplishments**

Operations

- Nothing reported.

Projects

- Nothing reported.

**Significant Planned Actions in the Next Six Months**

Operations

- Nothing reported.

Projects

- Complete partial turnover of Basin 41 transfer line to allow Effluent Management Facility transfers to Basin 42. DOE-HFO sent a certification of the turnover to Ecology on April 22, 2025. Ecology responded it was working on its response.

**LERF Volumes**

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

**Issues/Other Items**

- Nothing reported.

**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**

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**Significant Past Accomplishments**

- Nothing reported.

**Significant Planned Actions in the Next Six Months**

- Nothing reported.

**RPP-9937 Rev. 5 Updates**

- DOE-HFO spoke to a slide attached to these meeting minutes and noted tanks with liquid upper-level exceedances incurred during the January-March 2025 quarterly reporting period and their causes (if the investigation had been completed).
- DOE-HFO reported three tanks that had required or missed valid readings: Tanks A-105, T-102 and T-107. DOE-HFO added that the readings from these tanks did not meet the definition of “31-days between successive readings”. These readings had a 20-day window. Follow-on/confirmation readings were taken in both tanks on April 9, 2025. All readings were then verified as valid.
- DOE-HFO reported that an Environmental Notification was sent regarding Catch Tank 241-EW-151 due to complications with a manual reading (notification sent April 16, 2025). DOE-HFO is now installing an ENRAF measuring device, which should be in place by May 31, 2025.
- DOE-HFO reported a confirmed intrusion into Tank TX-302B (Environmental Notification sent March 3, 2025) and that DOE-HFO would be giving Ecology a briefing on details regarding the intrusion.
- (For the full report, please see, “RPP-9937 Requirement Reporting Dashboard” attached to these meeting minutes.)

**Issues/Other Items**

- Nothing reported.

**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**

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- 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 submitted draft preliminary TPA Appendix I Performance Assessment Volume 3 for WMA A-AX to Ecology for review on 03/25/25, to fulfill Milestone M-045-105 (due 09/30/28). Ecology's TPA Primary Document review comments are due to DOE-HFO by 05/06/25.

#### **Significant Planned Activities in the Next Six Months**

- Nothing reported.

#### **Issues/Other Items**

- Nothing reported.

### **17.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

#### **Significant Past Accomplishments**

- DOE-HFO highlighted the completion of TPA Milestone M-045-136, Submit Retrieval Technology Work Plan on Single-Shell Tank Retrieval Technologies and Proposal for an Expert Advisory Panel, due 03/30/2025 (completed on 03/13/2025). Ecology questioned the completion of this milestone, citing lengthy completion criteria in the language of the milestone. DOE-HFO reiterated its belief that the milestone was complete but agreed to having a further discussion with Ecology on the subject.
- Also refer to the Consent Decree portion of these meeting minutes (Section 2.0, pg. 12) for additional information.

#### **Significant Planned Activities in the Next Six Months**

- Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pg. 12) for additional information.

#### **Issues/Other Items**

- Refer to the Consent Decree portion of these meeting minutes (Section 2.0 pg. 12) for additional information.

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**18.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE**

**Base Operations:**

The February 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 March 2025 TPA Monthly Report.

- The month showed an unfavorable schedule variance of approximately \$2.33M.
- The current month showed an unfavorable cost variance of \$1.93M.

**Waste Feed Delivery/Treatment:**

The February 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 March 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 February 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 March 2025 TPA Monthly Report.

- The month showed a favorable variance of \$1.0M
- The month showed an unfavorable cost variance of \$116,055 (below the reporting threshold).

**Issues/Other Items**

- Nothing reported.

**1.0 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 March 2025 Consent Decree Monthly Report as well as individual sections of these meeting minutes). DOE-HFO highlighted the recent completion of Consent Decree Milestone D-16C-03AJ, Submit Quarterly (01/1/25 – 03/31/25) Report to Ecology and State of Oregon, which was due on 05/15/25 and completed on 05/05/25.

**Consent Decree Issues and Action Items**

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

**Emergent Issues:**

There are no current emergent issues.

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**Action Items:**

**Action No. 1 (WTP-25-01-01):** Ecology would like 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. DOE-HFO has planned the briefing prior to the end of May 2025. There was no change in status.

*New action added: (WTP-25-05-01) – Ecology requests a copy of the Pretreatment Facility Reutilization Study. DOE-HFO added that they expect completion of the report by June 2025.*

**2.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

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

- DOE-HFO reported an unfavorable schedule variance of \$5.8M.
- DOE-HFO reported a favorable cost variance of \$179,385.
- Neither of the above variances affect TPA or CD milestones.

**Significant Accomplishments during the Prior Month**

Completed Accomplishments

- Nothing reported.

On-Going Activities

- Nothing reported.

**Significant Planned Activities in the Next Month**

- Complete Tank A-106 pump jumper cover plate and hydraulic power unit installation. DOE-HFO provided an update to note that this had been completed.

**Issues/Other Items**

- Nothing reported.

**3.0 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.

**4.0 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 March 2025 Consent Decree Monthly Report.

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For February 2025, DOE-HFO reported a favorable schedule variance of approximately \$132,000.

- DOE-HFO noted that there is a 5% favorable schedule variance on the High-Level Waste (HLW) Facility design. DOE-HFO added that it is approximately two months ahead of schedule on the deterministic date for design completion and expects the favorable variance to continue to grow. Ecology asked if the schedule advancement of design would in turn advance the construction timeline. DOE-HFO replied that it was too soon to predict that but cautioned that the project was now advancing into more complex system design as well as the integration of more than 60 different systems needed for the HLW facility.
- DOE-HFO added that the schedule was impacted by delays associated with the glass former reagent support facility design, as value engineering alternatives were being evaluated.

For February 2025, DOE-HFO reported a net unfavorable cost variance of approximately \$4.5M.

- An unfavorable cost variance of \$5.2M was reported in Project Services due to time-dependent costs for DFLAW being incurred later than baseline completion.
- There was an off-setting favorable variance of \$616,000, primarily due to efficiencies related to rheology and testing activities, implementation of a more simplistic approach for controls and instrumentation, and less Design Authority staff support being required to update the HLW Facility Design Description.

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

For the February 2025 reporting period, LBL/DFLAW reported an EAC increase of approximately \$8.2M, due to:

- \$4.8 million increase of estimated cost associated with the remaining cold commissioning subcontract support commitment values
- \$1.7 million overall increase associated with scope changes to support glass former slurry implementation and canister finishing proficiency
- \$2.1 million increase associated with continued review and adjustment to existing subcontractor accruals based on higher-than-expected cost
- DOE-HFO added that there is no negative impact to the critical path schedule.

**Issues/Other Items**

- Nothing reported.

**5.0 PRETREATMENT FACILITY**

**Project Schedule and Cost Variance Performance**

- Nothing reported.

**Significant Accomplishments during the Prior Month**

- Nothing reported.

**DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree**  
**Monthly Project Managers Meeting Minutes**  
**May 8, 2025**

**Ongoing Activities:**

- The Pretreatment Facility Reutilization Study is on-going, with results expected in June 2025. Ecology has requested a copy of the report.

**Significant Planned Activities in the Next Month**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**6.0 HIGH-LEVEL WASTE FACILITY**

**Project Schedule and Cost Variance Performance**

- See Waste Treatment Plant section.

**Significant Accomplishments during the Prior Month**

- DOE-HFO reported that as of May 7, 2025, 14 of 29 over-the-top equipment placements were complete. DOE-HFO added that over-the-top concrete pours will resume this month, with the bulk of the pours being completed in June and July 2025. To date, 15 of 37 pours are complete.
- DOE-HFO reported that seven of twelve 90% design reviews are complete for FY 2025.

**Ongoing Activities:**

- HLW Facility 90 percent system design reviews remain a top priority.
- DOE-HFO is working on a permitting plan in conjunction with HLW design progression.
- Rework, based on Commissioning, Testing, Operation and Maintenance reviews continue, with 40 of 55 completed.

**Significant Planned Activities in the Next Month**

- Initiate 90 percent system design review for the HLW Instrument Service Air System.\*
- BNI submit HLW Facility design completion period proposal for Phase 1A.\*
- BNI submit the HLW Facility criticality safety evaluation report for DOE-HFO approval.\*
- Issue DOE Technology Readiness Assessment report.\*
- \* DOE-HFO reported that all the above items are now complete.

**Issues/Other Items**

- Nothing reported.

**7.0 LOW-ACTIVITY WASTE FACILITY**

**Project Schedule and Cost Variance Performance**

- See WTP section.

**Significant Accomplishments during the Prior Month**

**DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree**  
**Monthly Project Managers Meeting Minutes**  
**May 8, 2025**

- Continued radiological proficiency activities at the LAW Facility; completed corresponding tabletop emergency preparedness drills
- Continued dual melter operations and off-gas tuning
- Received anhydrous ammonia

**On-Going Activities**

- DOE-HFO provided an update to note that as of May 7, 2025, the long-term nitrate feed had started. Troubleshooting was performed on perfecting the mitigation of the NO<sub>x</sub> hazard with ammonia. As a result, there is no evidence of nitrate emissions.
- Melter operations continue with one batch of test feed complete and a goal to run nine-to-ten continuous batches to complete the carbon bed conditioning. Ecology asked how many batches comprise a container. DOE-HFO replied it was about one container per slurry batch – though it varies
- The contractor Operational Readiness Review field work began May 5, 2025.

**Significant Planned Activities in the Next Month**

- Complete Bubbler installation in Melter 1. DOE-HFO added that when carbon bed conditioning is complete, Melter 1 will be brought online.

**Issues/Other Items**

- Nothing reported.

**8.0 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.

**9.0 ANALYTICAL LABORATORY**

**Project Schedule and Cost Variance Performance**

- See Waste Treatment Plant section.

**Significant Accomplishments during the Prior Month**

- Nothing reported.

**DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree  
Monthly Project Managers Meeting Minutes  
May 8, 2025**

**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

March 1 – 31, 2025

*May 8, 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
  - RPP-9937 Requirements Reporting Dashboard
  - Questions?
- WTP (10:15 am – 11:00am)



# THE HANFORD SITE

## **222-S Laboratory TPA Project Manager Meeting**

Reporting Period

March 1 – April 28, 2025

*May 8, 2025*

- Bottom Line
  - Laboratory Production:
    - From October 1, 2024, to April 20, 2025, Navarro-ATL delivered 62 of 63 (98%) high-level radioactive sample deliverables on-time or early
    - 180 of 189 (94%) low-activity sample analysis project reports were delivered on-time or early

- Project Status
  - Received samples from:
    - Tank 241-SY-102 core samples
    - Tank 241-A-102 solid grab samples
    - Tank 241-AP-101 grab samples
    - Tank 241-AP-108 grab samples
    - Vadose soil samples from S-SX Tank Farms

- Significant Accomplishments
  - Mitigated all 222-S Laboratory fire suppression system emergency impairments
  - Completed refurbishment of 1f hot cell
  - Completed spring laboratory outage to perform preventative and corrective maintenance:
    - Restored facility PLC tie-breaker functionality
    - Replaced facility air compressors (actuate HVAC dampers)
  - Replaced WT-P-7 sump pump in 219-S cell A
  - Replaced 296-S-16 exhauster motor at 219-S
  - Continued laboratory room 4C renovation

- Significant Accomplishments (continued)
  - 222-S Laboratory delivered the following final laboratory reports during March and April:
    - Tank 241-AY-102 Annulus Grab
    - Tank 241-AP-106 Grab TSCR DFLAW-01a Batch 4 Verification
    - Tank 241-AZ-301 Liquid Condensate Samples
    - S-SX Tank Farm Vadose (Cores D0580, D0582, D0586, D0588, D0578)

- Significant Planned Activities
  - Receive and analyze samples from:
    - Tank 241-SY-102 core samples
    - Tank 241-AP-103
    - Tank 241-AZ-101 Grab and Core
    - Vadose soil samples from S-SX Tank Farms
  - Transfer 219-S TK-102 contents to SY Tank Farm
  - Restore 207-SL retention basin pump and valve operations

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

Instrument	Installation Status
<b>X-Ray Diffractometer</b>	Instrument received Installation Planned for FY 25 Q4
<b>Inductively Coupled Plasma – Mass Spectrometer</b>	Instrument received Installation Planned for FY 25 Q3
<b>Differential Scanning Calorimeter</b>	Instrument received Installation Planned for FY 25 Q3
<b>Total Organic Carbon Analyzer</b>	Instrument Contract Pending Installation Planned for FY 25 Q4
<b>Gas Proportional Counters</b>	Materials received Installation Planned for FY 25 Q4

- Quality Assurance Evaluations/Proficiency Tests

Report Date	Reported	Correct	FY 2025 Study (%)
March	170	169	99.4
April	214	213	99.5
<b>Total (FY 2025)</b>	472	469	<b>99.4%</b>

- Hold Time Performance

Holding Times						
	FY 2021 Final	FY 2022 Final	FY 2023 Final	FY 2024 Final	March	April
<b>% met</b>	90.5%	95.4%	97.5%	96.6%	<b>99.5%</b>	<b>93.2%</b>

- Accreditations
  - AIHA Accreditation effective through May 1, 2026
  - Washington State Department of Ecology (Ecology) accreditation effective through November 21, 2025
    - Received method accreditation from Ecology for Sorptive Microextraction as an organic compound preparation method for SW-846 Method 8270E, dated April 4, 2025
    - Successful restoration of accreditation for volatile organic analysis analyte tetrachloroethylene

## Waste Shipped

Waste Type	Containers Shipped 3/1/25 to 4/29/25	Receiving Facility
Low-Level Waste	1 RO/RO : 13 Drums	ERDF
Nonregulated	3 RO/RO	ERDF
Mixed & Low Level Mixed	1 RO/RO 50 Drums	ERDF PFNW
Hazardous	0	N/A
Universal/Recycle	9 Containers	CCRC

## Waste Storage Inventory

Container Unit	Inventory (units)	219-S Tanks	Inventory (gal)	Max Volume (gal)
Room 4E	4 drums 71 containers	TK-101	2081	3600
Room 2B	10 Drums	TK-102	3466	3600
DMWSA	127 Drums	TK-104	1300	1710
T8 Alcove	(fixed)			

Questions?

## DOE-HFO-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – May 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.

### Emergent Issues (Past 3 months):

1. None.

### Action Items: (Updated information in blue)

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-23-12-01 14 Dec. 2023	Ecology (A. Chakravartty) would like information on throughput/volume targets and actuals for: <ul style="list-style-type: none"> <li>- 242-A Evaporator Campaign #11</li> <li>- Effluent Treatment Facility</li> <li>- Double Shell Tank capacity</li> </ul>	12/14/23 – DOE-HFO agreed to provide a briefing to Ecology to cover the topics.  01/11/24 – No change in status.  02/08/24 – DOE-HFO stated it had provided the requested items to the Ecology Project Manager (PM) (A. Chakravartty). The Ecology PM did not acknowledge receipt. DOE-HFO will re-send requested items. Ecology PM will confirm if the action has been fulfilled and can be closed.	DOE-HFO	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>03/14/24 – Parties agreed to keep this action open while discussing criteria for satisfying Ecology’s request.</p> <p>04/15/24 – DOE-HFO reported it is working on getting Ecology the information to satisfy the request.</p> <p>May through July 2024 – No change in status.</p> <p>08/08/24 – Ecology asked for an update on when DOE-HFO would be able to give the briefing. DOE-HFO replied that Evaporator Campaign-11 is now targeted for February 2025 and that the campaign would give DOE-HFO the needed information for the briefing.</p> <p>September 2024 through March 2025 – No change in status. Briefing will be held after the start of Evaporator Campaign-11 (targeted for April 2025).</p> <p>04/10/25 – DOE-HFO reported it will be scheduling a meeting/briefing the week of April 13 or 20, 2025 to give Ecology an update on both the Evaporator Campaign-11 as well as the restart of the Effluent Treatment Facility.</p>		

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
2	TF-24-04-01 11 Apr. 2024	Ecology (D. McDonald) would like a briefing/discussion regarding the schedule for design and permitting of the Second LAWPS capability – the Advance Modular Pretreatment System (AMPS) – and the proposed plan and timing for when the AMPS will begin to augment TSCR.	<p>05/09/24 – DOE-HFO stated it would be scheduling a meeting with Ecology to discuss the schedule for permitting and operation of the AMPS.</p> <p>06/13/24 – No change in status.</p> <p>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.</p> <p>08/08/24 – The Parties agreed that the AMPS briefing can be scheduled after the conclusion of the public comment period for the Holistic Negotiations Settlement Agreement Proposed Changes. The public comment period ends September 1, 2024.</p> <p>September through November 2024 – No change in status. Briefing will be held upon finalization of the Holistic Negotiations Settlement Agreement TPA and Consent Decree milestones. (Public comment period ended 09/01/24. The parties are now engaged in the comment-response process.)</p>	DOE-HFO	Closed  4/10/25

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>12/12/24 – Ecology requested that inconsistencies between dates for the completion of design and construction of AMPS stated in the Fiscal Year 2024 Five-Year Plan and dates for the same in the proposed changes to Milestone M-062-56 in the Holistic Negotiations Settlement Agreement be added to the briefing topics. DOE-HFO agreed to do so.</p> <p>02/13/25 – DOE-HFO has initiated a monthly meeting with Ecology to status progress on startup of AMPS and future TSCR campaigns.</p> <p>03/13/25 – Monthly meetings initiated. DOE-HFO reported it will be developing additional material to share with Ecology.</p> <p>04/10/25 – DOE-HFO has provided an updated presentation on AMPS, and permitting discussions are now in process. As such, Ecology agreed this action can be closed; further information on AMPS will be managed through the permitting/construction/commissioning processes now in place.</p>		

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
3	TF-24-05-01 09 May 2024	<p>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”.</p> <p>Ecology requests that the briefing include:</p> <ol style="list-style-type: none"> <li>1. Development of the work plan for getting the cross-site transfer lines inspected and planning, including failure analysis work for SLL-3160.</li> <li>2. Briefing dates for letting Ecology know the schedule for completing the milestone work for activating the lines.</li> <li>3. If there will be any activities with respect to</li> </ol>	<p>06/13/24 – DOE-HFO is preparing material for a briefing to Ecology.</p> <p>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.</p> <p>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 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</p>	DOE-HFO	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		two lines (especially SLL-3160 for test failure) in the IQRPE evaluation and reporting	<p>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>04/10/25 – No change in status.</p>		
4	TF-25-01-01 17 Jan. 2025	Ecology requests copy of the Low-Level Waste Disposal Facility Federal Review Group (LFRG) Review Report for the Hanford Site Waste Management Area A-AX Performance Assessment for Closure.	<p>01/17/25 - Parties have a meeting scheduled for 02/13/25 where a status update will be provided by DOE-HFO.</p> <p>02/13/25 – DOE-HFO reported the final report was approved by the LFRG and is awaiting transmittal from DOE-HQ.</p> <p>March - April, 2025 – No change in status.</p>	DOE-HFO	Open

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

**WTP ACTIONS**

#	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 and the High-Level Waste (HLW) Facility and the schedule for when the vault will begin to support the HLW Facility.	03/13/25 – DOE-HFO targeted providing a briefing to Ecology sometime in May 2025.  04/10/25 – No change in status.	DOE-HFO	

**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
NA	Other	ECY/DOE	April 2025	RPP-21895	5	241-C-103 and 241-C-109 Tanks Waste Retrieval Work Plan	Final WMA C Closure WIR Evaluation	<a href="#">AR-34494</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	RPP-7475	11	Criticality Safety Evaluation Report for Hanford Tank Farms Facilities	Final WMA C Closure WIR Evaluation	<a href="#">AR-34490</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	NA	NA	WMA S-SX Sample Interval Selection Meeting - D0600	Support the WMA S-SX RFI	<a href="#">AR-34480</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	NA	NA	S-SX Farm Sample Interval Selection Meeting - D0577, December 18, 2024	Support the WMA S-SX RFI	<a href="#">AR-34479</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	NA	NA	WMA S-SX Sample Interval Selection Meeting – D0600, January 7, 2025	Support the WMA S-SX RFI	<a href="#">AR-34229</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	NA	NA	Meeting Notes S-SX Farm Sample Interval Selection Meeting – D0577	Support the WMA S-SX RFI	<a href="#">AR-34228</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65460	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0380)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34223</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65457	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0378)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34227</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65458	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0382)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34226</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65459	0	Analytical Report for Sampling and Analysis for the B-Farm (Core D0376)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34225</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65206	0	Final Report for the B-Farm Phase I (Core D0380 Off-Site Lab Reports)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34220</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65021	1	Final Report for the B-Farm Phase I (Core D0378 Off-Site Lab Reports)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34219</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65207	0	Final Report for the B-Farm Phase I (Core D0382 Off-Site Lab Reports)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34221</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65018	1	Final Report for the B-Farm Phase I (Core D0376 Off-Site Lab Reports)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34218</a>	8-May-25	
M-045-56	Other	ECY/DOE	April 2025	RPP-RPT-65017	1	Final Report for the B-Farm Phase I (Core D0374 Off-Site Lab Reports)	The B-farm interim measures characterization data is associated with interim measures sampling under M-045-56.	<a href="#">AR-34217</a>	8-May-25	
NA	Other	ECY/DOE	April 2025	NA	NA	WMA S-SX Sample Interval Selection Meeting - D0606	Support the WMA S-SX RFI	<a href="#">AR-34561</a>	8-May-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
None in April												

## TWO Agreed Order (AO) Requirements

Reference: Docket No. 21304, Agreed Order Between Ecology and the DOE,  
Single-Shell Tanks (SSTs) 241-B-109, 241-T-111, 241-T-101 (AR-21249 and AR-32535)

Number	Due Date	Status	Requirement	Reference	DOE Assistant Manager	Remarks
A-022-01	8/25/2023	Complete 8/18/2023	Submit SST System Leak Response Plan	AO V.A.1.i	Noyes, Delmar L	<a href="#">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>
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 L	<a href="#">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>
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	Noyes, Delmar L	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 March 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 L	<a href="#">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>
A-022-05	2/1/2024	Complete 1/30/2024	If applicable, submit Active Ventilation Work Plan	AO V.C.1.v	Noyes, Delmar L	<a href="#">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>
A-022-06	TBD (Pursant 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 L	<a href="#">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>
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 L	<a href="#">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>
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 L	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 completed this requirement. Reference ECY letter 25-NWP-049 dated 3/24/25, which extends ECY's review/comment period on RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev 5, to 6/10/25.
A-022-09	09/30/2028*	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	Noyes, Delmar L	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.
A-022-10	09/30/2028*	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	Noyes, Delmar L	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.
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 L	<a href="#">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.</a> <a href="#">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.</a> <a href="#">Reference approval of TPA Change Control Form M-45-25-01 on 1/14/25, which resolved the dispute and completed this requirement by 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>
A-022-12	8/25/2024	Complete 8/08/2024	Submit Leak Detection and Monitoring Technology Evaluation	AO V.F.1.ii	Noyes, Delmar L	<a href="#">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>
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	Noyes, Delmar L	Reference DOE letter 24-TWO-0091 dated 8/08/24, which submitted RPP-RPT-64595, Rev 0 to ECY for approval (reference AR-30811). Reference ECY letter 24-NWP-177 dated 9/19/24, which extended their review period until 11/08/24. Reference ECY letter 24-NWP-206 dated 11/08/24, which extended their review 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. DOE comment responses due back to ECY in 30 days, by 1/21/25 or extend comment resolution period. 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.

## TWO Agreed Order (AO) Requirements

Reference: Docket No. 21304, Agreed Order Between Ecology and the DOE,  
Single-Shell Tanks (SSTs) 241-B-109, 241-T-111, 241-T-101 (AR-21249 and AR-32535)

Number	Due Date	Status	Requirement	Reference	DOE Assistant Manager	Remarks
A-022-14	<b>TBD</b> <b>(Pursuant to approved Leak Detection and Monitoring Technology Work Plan schedule)</b>	<b>On Schedule</b>	If applicable, implement Leak Detection and Monitoring Technology Work Plan	AO V.F.2.iii	Noyes, Delmar L	
A-024-01	1/31/2025	<b>Complete</b> <b>1/16/25</b>	Submit results of 241-T-101 intrusion investigation and, if applicable, Intrusion Response Work Plan	AO Addendum V.B.1	Noyes, Delmar L	<a href="#">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 Ecology.</a>
A-024-02	<b>(Pursuant to approved Intrusion Response Work Plan schedule)</b>	<b>On Schedule</b>	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	Noyes, Delmar L	Reference ECY letter 25-NWP-023 dated 2/05/25, extending their review 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 period on RPP-RPT-65278, Tank 241-T-101 Intrusion Investigation and Intrusion Response Work Plan, Rev 0, to 5/20/25.
A-024-03	1/31/2025	<b>Complete</b> <b>1/16/25</b>	Submit 241-T-101 active ventilation practicability evaluation and determination	AO Addendum V.C.1	Noyes, Delmar L	<a href="#">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 Ecology.</a>
A-024-04	<b>Within 90 days of ECY's approval of the active ventilation practicability evaluation and determination</b>	<b>On Schedule</b>	If applicable, submit 241-T-101 Active Ventilation Work Plan	AO Addendum V.C.2	Noyes, Delmar L	Reference ECY letter 25-NWP-023 dated 2/05/25, extending their review 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 period on RPP-RPT-65234, Tank 241-T-101 Active Ventilation Practicability Evaluation, Rev 0, to 5/20/25.
A-024-05	<b>Pursuant to approved Active Ventilation Work Plan schedule</b>	<b>On Schedule</b>	If applicable, install and begin operation of active ventilation system on 241-T-101	AO Addendum V.C.3	Noyes, Delmar L	
A-024-06	1/31/2025	<b>Complete</b> <b>1/14/2025</b>	Negotiate new HFFACO milestones for retrieval of tank 241-T-101	AO Addendum V.E	Noyes, Delmar L	<a href="#">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.</a>

**NOTES:**

- On August 25, 2022, the State of Washington Department of ECY Administrative Order, Agreed Order Docket No. 21304, Agreed Order Between ECY and the DOE, regarding Single-Shell Tanks (SSTs) 241-B-109 and 241-T-111 was signed and received (reference AR-21249).
- On September 26, 2022, the Heart of America Northwest appealed the Agreed Order between ECY and DOE, Docket No. 21304, regarding the response to the ongoing release of mixed radioactive hazardous waste from the leaking single-shell tanks at the Hanford Nuclear Reservation, reference the Case No. P22-073 (reference AR-21769).
- 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 ECY and DOE (reference AR-24519).
- For A-022-01, ECY comments on SST Leak Response Plan (RPP-PLAN-65643) will result in a revision to the document. DOE began the revision review process with ECY in June 2024.
- On November 20, 2024, the State of Washington Department of ECY Issued an Addendum to Agreed Order Docket No. 21304, Agreed Order Between ECY and the DOE, regarding SST 241-T-101 (reference AR-32535).

In accordance with the identified sections of RPP-9937, *Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document*, Rev. 5C, the following are required to be reported and discussed in a Tri-Party Agreement Project Manager Meeting.

**Tanks Currently Exceeding Specification Limits**

Sections 3.3.1 and 7.1

An exceedance occurs when valid waste level readings are beyond upper or lower specification limits.

Tank	SL/ILL? Upper/Lower?	First Date of Exceedance	Status
241-BY-104	ILL/U	10/14/2024	Investigating cause
241-BY-108	ILL/U	11/13/2024	Investigating cause
241-BY-111	ILL/U	11/13/2024	Redistribution, BCA in process
241-SX-103	ILL/U	11/11/2024	Redistribution, BCA in process
241-SX-106	SL/U	2/23/2025	Known Intrusion, BCA in process
241-T-101	SL/U	1/16/2025	Assumed leaker, BCA in process
241-T-111	SL/L	11/18/2024	Known Leak, BCA in process
241-T-111	ILL/L	11/8/2024	Known Leak, BCA in process
241-TX-103	ILL/U	5/21/2024	Investigating cause
241-TX-109	ILL/U	11/12/2024	Investigating cause
241-TX-111	ILL/L	4/17/2024	Investigating cause
A-302-A	SL/U	1/5/2025	Known Intrusion, BCA in process
241-TX-302-B	SL/U	03/24/2019	Investigating cause
244-A TANK	SL/U	3/17/2025	Investigation cause

SL= Surface Level; ILL = Interstitial Liquid Level; U = Upper; L = Lower

As Baseline Change Authorizations (BCAs) are implemented and/or tank levels return within specification limits, they will be removed from this list.

**Required Valid Reading Missed**

Section 3.3.1

241-A-105	Non-valid readings occur when the only available data point(s) within a quarter are assigned a quality indicator of "Suspect". The standard path forward for these events is to obtain a follow-up level measurement. Once a valid level reading is obtained for a tank, they will be removed from this list.
241-T-102 241-T-107	1st Qtr 2025 readings for 241-T-102 and 241-T-107 did not meet the definition of "Quarterly...31-days between successive readings". These readings had a 20-day window. Follow-on/confirmation readings were taken, in both tanks, on April 9th. All readings were V&Ved as "Good".

**Extended Outages and Device Repair/Replacement**

Section 6.2

241-EW-151 TOC-ENV-NOT-2025-4757

**Baseline Change Authorizations Implemented**

Section 7.1

Tank	SL or ILL?	Justification
241-TX-302B	SL	Confirmed intrusion

This list reflects all BCAs implemented within the reporting quarter.

**Newly Identified Intrusions**

Section 4.1.1

Confirmed new intrusion into Tank 241-TX-302B. Environmental Notification Form TOC-ENV-NOT-2025-4754 sent 03/5/2025.



**Declaration of Leaks to the Environment**      None

Section 4.1.2

**Tanks Level Returned within Specification Limits**

Tank	SL/ILL? Upper/Lower?	Justification
None		

Section 3.3.1

*SL= Surface Level; ILL = Interstitial Liquid Level; U = Upper; L = Lower*



**DOE Tank Waste Operations/Waste Treatment and Immobilization Plant  
Monthly Tri-Party Agreement/Consent Decree Project Managers Meeting  
May 8, 2025**

**ATTENDEES**

Becky Blackwell, DOE-TWO  
Jeff Cheadle, DOE-TWO  
Janet Diediker, DOE-TWO  
Jim Greene, DOE-TWO  
Kallen Kidder, DOE-TWO  
Mat Irwin, DOE-WTP  
Chantal Martin, DOE-TWO  
Dawn MacDonald, DOE-TWO  
Erik Nelson, DOE-TWO  
Will Ruane, DOE-TWO  
Shane Serafin, DOE-WTP  
Bibek Tamang, DOE-TWO  
Craig Whiteley, DOE-WTP  
Andy Wiborg, DOE-TWO  
Katherine Wong, DOE-TWO  
Holly Bowers, H2C  
Maria Lopez, H2C  
Jay Warwick, H2C  
Don Heidelberg, HLMI

Cynthia Bounds, HMIS  
Stephanie Brasher, HMIS  
Michael Turner, HMIS  
Debra Alexander, Ecology  
Ambika Chakravartty, Ecology  
Suzanne Dahl, Ecology  
Jackson Davis, Ecology  
Doug D'Hondt, Ecology  
Cathrene Glick, Ecology  
Moises Guevara, Ecology  
Luisa Johnston, Ecology  
Jeffrey Loa, Ecology  
Dan McDonald, Ecology  
Steve Needles, Ecology  
George Peck, Ecology  
Eric Pierce, Ecology  
Beth Rochette, Ecology  
Dave Einan, US EPA  
Matt Hendrickson, State of Oregon