

***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***

November 13, 2025



DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree
Monthly Project Managers Meeting Minutes
November 13, 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.

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RICKY BANG
Date: 2025.12.08
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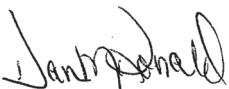
Ricky Bang, Project Manager
U.S. Department of Energy, Hanford Field Office
Tank Waste Operations

 Digitally signed by THOMAS TEYNOR
Date: 2025.12.08 10:57:26 -08'00'

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

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amgr461@ecy.wa.gov
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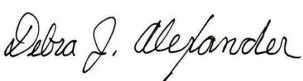
Amie Green, Project Manager
Washington State Department of Ecology

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Dan McDonald, Project Manager
Washington State Department of Ecology

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Ambika Chakravartty, Project Manager
Washington State Department of Ecology

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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 Hanford Field Office
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
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 January 8, 2026. The next TPA/CD TWO/WTP Quarterly Milestone Review Meeting is December 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 September 1 – September 30, 2025, were entered into the Hanford AR on October 29, 2025. The meeting minutes from October 9, 2025, TPA Monthly Project Managers Meeting were added to the Hanford AR on December 1, 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 Milestone Status

DOE-HFO reported all TPA milestones were either Complete or On Schedule.

DOE-HFO provided the following updates: Milestone M-062-40K, Select a Minimum of 3 Scenarios, due November 30, 2025. DOE-HFO reported it had sent the selected System Plan 11 scenarios to Ecology for approval on November 6, 2025; M-045-108, Submit RCRA Tier 3 Closure Plan for 301-C Catch Tank, due November 30, 2025, was completed on October 22, 2025; M-045-112, Submit Integration Study for WMA U, due December 31, 2025, was completed on October 22, 2025, as was M-045-118, Submit Integration Study for WMA S-SX, which was also due on December 31, 2025.

For details on the status of specific milestones, see pages 1-3 of the September 2025 DOE-HFO TPA Monthly Report and throughout these meeting minutes.

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 – November 2025 Meeting.*”

Emergent Issues (Past 3 Months):

DOE-HFO has identified Actions 3 (TF-25-08-01) and 4 (TF-25-08-02) as emergent issues, citing delays in moving forward without a clear regulatory path as having potential impacts to DOE-HFO’s ability to meet existing TPA milestone due dates (added August 14, 2025).

Actions:

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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 December 31, 2030, and SLL-3160 by December 31, 2036. Ecology requested a briefing on several aspects of DOE-HFO's plans to meet those dates. DOE-HFO is still in the planning process 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.*

Action No. 2 (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 February 25, 2025, which proposes milestones for the design and construction of the remaining interim surface barriers for Waste Management Areas S/SX, BX/BY, and A/AX. DOE-HFO committed to scheduling a meeting with Ecology to discuss the draft TPA change control form. There was no change in status. *The action remains open.*

Action No. 3 (TF-25-08-01): DOE-HFO requests Ecology determine what is needed prior to Ecology making a decision on the applicability of Landfill Closure for the remaining Waste Management Areas, and report to DOE-HFO when and how that will occur. Ecology reported it continues to meet on this topic internally, also that it is still pursuing certification of the practicability document that determined that that clean closure is impractical. Ecology added that this action may not be closed until the RCRA Rev. 9 permit is issued. *The action remains open.*

Action No. 4 (TF-25-08-02): DOE-HFO requests Ecology discuss with the Washington State Attorney General's Office and Ecology management if there are any inconsistencies between the Washington Administrative Code and the *Central Plateau Inner Area Cleanup Principles and Parameters* ([DOE/RL-2019-46, Rev. 0](#)) – which was approved by the Parties on October 28, 2020 and added to TPA Action Plan Appendix F – and provide them to DOE-HFO. There was no change in status. *The action remains open.*

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 B-109 and T-111 was signed (reference [AR-21249](#)). On November 20, 2024, an Addendum to Agreed Order Docket No. 21304 (reference [AR-32535](#)) was added to include Tank T-101.

During this meeting, DOE-HFO provided the following updates:

- 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 March 12, 2025. Due date will be set upon Ecology approval of the T-Farm

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interim barrier design. DOE-HFO added that its leadership and Ecology's leadership are in discussions regarding this requirement.

- Agreed Order #A-022-13, If applicable, Submit Leak Detection and Monitoring Technology Evaluation Work Plan, due, TBD. (Note: Leak Detection and Monitoring Technology Evaluation, RPP-RPT-64595 was submitted by DOE-HFO on August 8, 2024.) DOE-HFO noted Ecology had extended its review of RPP-RPT-64595 to January 15, 2026.

For a complete list and status of all Agreed Order requirements, see, "TWO Agreed Order Requirements" attached to these meeting minutes.

3.0 *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 September 30, 2025, Navarro-ATL delivered 116 of 122 (95%) high-level radioactive sample deliverables on-time or early, while 342 of 357 (96%) low-activity sample analysis project reports were delivered on-time or early. From October 1, 2025 to October 25, 2025 Navarro-ATL delivered 8 of 8 (100%) high-level radioactive sample analysis project reports and 14 of 15 (93%) low-activity sample analysis project reports on-time or early. DOE-HFO added that this was a good performance for the fiscal year 2025, highlighting that the contractor completed 10 of 11 samples in support of waste treatment activities on time, notable because those samples have a much shorter turnaround time.

Project Status

- Laboratory Reports Delivered (September – October 2025):
 - Tank AP-103 grab sample
 - Tank AN-102 core sample
 - Tank AP-108 grab sample
 - Tank AP-106 grab sample for organics by the U.S. Environmental Protection Agency SW-846 method
 - Tank AP-106 grab sample for organics by stir bar sorptive extraction method
 - 219-S Tank 102 post chemical addition sample
 - Beryllium analysis for Tank AP-103 grab sample
 - Beryllium analysis for Tank SY-102 core sample
 - Dissolution study for solid samples received from Tank A-102
 - Solid phase characterization of Tank SY-102
 - Corrosion study of residual raw water in transfer lines after flushing
 - S-SX Tank Farm vadose cores

Significant Accomplishments

- Received PUREX deep bed filter and condensate Tank 202 samples.
- Completed the replacement of 11A Hot Cell Annex floor tiles – the tiles were about 30 years old. No contamination was detected during the replacement.

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- Completed the installation of x-ray diffractometer in Room 1F.
- Completed all planned work for ten-day fall laboratory maintenance outage.

Significant Planned Activities

- Receive and analyze samples from:
 - Tank AZ-102 core – DOE-HFO provided an update to note the first samples were received the week of November 10, 2025
 - Tank A-101 tank closure grab
 - Tank AW-102 evaporator feed grab
- Transfer 219-S TK-102 contents to Tank SY-101
 - DOE-HFO provided an update to note that the transfer was completed November 11, 2025 (3,400 gallons total)
- Repair roof on east side of 222-S Building
 - DOE-HFO provided an update to note that the activity was delayed by the government shutdown and probably would not take place until the weather gets warmer
- Sanitary Water Line Replacements Design and Procurement
- Renovation of Lab Room 4K
 - Begun the week of November 10, 2025
- Replace Facility Process Vacuum System – vacuum drives the Continuous Air Monitors

Equipment Upgrades

- Procure and install instrument upgrades in FY 2026:
 - Inductively coupled plasma – atomic emission spectrometer
 - Liquid scintillation counter
 - Volatile organic acid purge and trap
 - Gas chromatograph – Mass spectrometer/Thermal desorption unit
 - Total organic carbon analyzer
 - Particle shape analyzer
 - 3D printer – will allow in-house fabrication of small pieces of equipment
 - Quantitative polymerase chain reaction
 - Density meter
 - Synthesis workstation
 - Potentiostats (2)
 - Particle shape analyzer (installed in October 2025)

Analytical Performance

- DOE-HFO reported the 222-S Laboratory had a 98.8% Proficiency Testing rate for fiscal year 2025 – 1101 of 1114 correct samples, and 9 of 10 correct samples for fiscal year 2026 to-date (90%).
- DOE-HFO reported that Hold Time Performance for fiscal Year 2025 was 98.3%, which added to a yearly increase in performance since fiscal year 2021, when the rate was 90.5%.
- Accreditations:
 - American Industrial Hygiene Association (AIHA) accreditation effective through May 1, 2026.

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- Washington State Department of Ecology accreditation effective through November 21, 2025. DOE-HFO added that the renewal application had been submitted.

Technical Support Division Status

- See attached 222-S Laboratory presentation, slide 10 for the full listing.
- DOE-HFO reported that for September and October 2025, waste shipments were higher than normal. Waste was shipped to on-site locations, the Environmental Restoration Disposal Facility, and off-site to certified waste acceptance facilities at Perma-Fix of Florida, Inc., and Perma-Fix Northwest, Inc.
- DOE-HFO reported that after the transfer from Tank 219-S to the SY Tank Farm, there is now about 40 gallons of waste in Tank 219-S.
- DOE-HFO reported 7 drums and 12 containers were shipped from Room 4E, 12 drums were shipped from Room 2B, and 98 drums and 7 containers were shipped from the Dangerous Mixed Waste Storage Area in September and October 2025.

Issues/Other Items

- Nothing reported.

4.0 SYSTEM PLAN

Significant Past Accomplishments

- Milestone M-062-46, Negotiate Tank Waste Retrieval Sequencing and Milestones, due September 30, 2025, was completed on September 16, 2025.

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.

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

- Nothing reported.

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Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items:

- On September 16, 2025, TPA Interim Milestones M-062-67 and M-062-68 were established, via approved TPA Change Control Form M-62-25-02. (M-062-67, Submit a Permit Modification(s) if Necessary to Support SY Tank Farm Infrastructure Upgrades, due April 30, 2030. M-062-68, Complete the Necessary Removal of the DST SY-101 Mixer Pump, due September 30, 2027.)

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.

Significant Planned Actions in the Next Six Months

- Initiate TSCR Campaign 2. DOE-HFO added an update to report the TSCR maintenance outage was completed and the TSCR Campaign 2 began in early November 2025. The campaign to date has treated approximately 45,000 gallons of waste from Tank AP-107, which is now stored in Tank AP-106. Tank AP-106 currently holds approximately 838,000 gallons of treated waste, with an additional 190,000 gallons to be added via TSCR Campaign 2.

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Issues/Other Items

- Nothing reported.

10.0 TEST BED INITIATIVE (TBI) DEMONSTRATION

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Submit closure certification report to Ecology. DOE-HFO anticipates sending the report by November 23, 2025.
- Submit TBI final report to Ecology (to be sent upon the approved closure certification by Ecology).

Issues/Other Items

- Nothing reported.

11.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- 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

- Nothing reported.

LERF Volumes

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- See pg. 17 of the September 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

- Perform DST annulus visual inspections at Tanks AW-101, AW-102, AW-103, AW-104, AW-105, AW-106, SY-101, SY-102, and SY-103. DOE-HFO added an update to note that the AW-101, AW-103 and AW-105 inspections were now complete.

Ultrasonic Testing Report Status

- Nothing reported.

Issues/Other Items

- Ecology asked to be provided with the Double and Single Shell Tank Visual Inspection Reports. DOE-HFO committed to providing both reports.

13.2 Single-Shell Tank Integrity

Significant Past Accomplishments

Nothing reported.

Significant Planned Actions in the Next Six Months

- Begin fiscal year 2026 SST visual inspection in the following tanks: BX-102, BX-106, BX-107, S-103, S-104, S-105, S-108, SX-102, SX-104, SX-108, SX-111, SX-112, T-104, T-105, T-106, T-107, T-109, T-110, and T-112.

RPP-9937 Rev. 5 Updates

- See also, “RPP-9937 Requirement Reporting Dashboard” attached to these meeting minutes.
- DOE-HFO provided the listing of Tanks Currently Exceeding Specification Limits. Investigations are ongoing, but DOE-HFO reported all exceedances were due to known causes.
- There was one Required Valid Reading Missed: Tank 244-BX DCRT. DOE-HFO reported the reading was missed due to a jammed measuring tape, which is being repaired.
- DOE-HFO provided the listing of Baseline Change Authorizations Implemented, one for Tank BY-106, due to redistribution from prior salt wall pumping. The second for Tank BX-103, due to a known intrusion within that tank.

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- There were no Newly Identified Intrusions or Declarations of Leaks to the Environment.
- DOE-HFO provided the listing of Tank Levels Returned within Specification Limits.
- There were no questions.

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

- 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

- Submitted the DOE O 435.1, Radioactive Waste Management, performance assessment maintenance plan for WMA A-AX to Ecology via letter 25-TWO-0102, to complete Milestone M-045-102 on September 8, 2025.

Significant Planned Activities in the Next Six Months

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- Nothing reported.

Issues/Other Items

- Nothing reported.

17.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Significant Past Accomplishments

- Nothing reported.
- Also refer to the Consent Decree portion of these meeting minutes (“Single Shell Tank Retrieval Program”, Section 20.0) for additional information.

Significant Planned Activities in the Next Six Months

- Mobilize and convene the expert panel for the Retrieval Technology Work Plan. DOE-HFO added an update to note that the panel held its initial meeting on November 12, 2025.
- Also refer to the Consent Decree portion of these meeting minutes (“Single Shell Tank Retrieval Program”, Section 20.0) for additional information.

Issues/Other Items

- Nothing reported.

18.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE

Base Operations:

The August 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 September 2025 TPA Monthly Report.

- The month showed a favorable schedule variance of approximately \$1M, primarily due to SY-103 Remediation Fabrication due to schedule recovery, SY Tank Farm Pit Floor Repair due to schedule recovery and SY-01A Mixer Pump Removal Fabrication due to vender alignment and schedule acceleration.
- The current month showed an unfavorable cost variance of \$261,000, primarily due to AP Tank Farm material conveyance system subcontract costs and SY Tank Farm pit floor repair subcontract costs.

Waste Feed Delivery/Treatment:

The August 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 September 2025 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$1.8M, primarily due to WTP Acquisitions Low-Activity Waste (Spare) Melter Assembly, Storage, and Transportation Phase II delays. Ecology asked to be kept apprised of this situation.
- The month showed a favorable cost variance of \$304,000m due to minor control account variances falling below the reportable threshold.

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Treat Waste:

The August 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 September 2025 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$434,858.
- The month showed an unfavorable cost variance of \$84,000.

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 3-5 of the DOE-HFO September 2025 Consent Decree Monthly Report for a complete listing of Consent Decree milestones.

Consent Decree Issues and Action Items

For reference, see attached “*DOE-HFO/Ecology TPA and CD Agreements, Issues and Action Items November 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. *The action remains open.*

20.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

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

- DOE-HFO reported an unfavorable schedule variance of approximately \$2.5M, primarily due to field activities for the infrastructure installation of Tank A-106 planned for the current month but completed ahead of schedule in prior months; A Tank Farm control trailer modification schedule delay; Tank A-103 Extended-Reach Sluicer System delay; and S Tank Farm equipment removal delay.
- DOE-HFO reported an unfavorable cost variance of approximately \$1.4M, primarily due to greater than planned labor costs for A-101 retrievals and West Area Water Building design subcontractor costs.
- Neither of the above variances affect Consent Decree milestones.

Significant Accomplishments during the Prior Month

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Completed Accomplishments

- Nothing reported.

On-Going Activities

- Continue Tank A-102 retrieval operations (preparations concluded in September 2025, retrieval begun November 3, 2025 – currently at 27% retrieved by volume).

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

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 (WTP) PROJECT

Project Schedule and Cost Variance Performance

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

For August 2025, DOE-HFO reported a net unfavorable schedule variance of approximately \$8.4.M.

- Schedule performance for the HLW Facility was 22 percent behind schedule.
- Performance was affected by engineering delays associated with process engineering dynamic operation research model development, and research and testing associated with direct-feed rheology are taking more time to complete due to modeling complexity. DOE-HFO added that the variance was also influenced by the contractor's method of monitoring Earned Value Performance – essentially, over-reporting in previous months. The performance earning method has since been corrected, and the earned value is now aligned with the percent complete of discreet design and construction scope.
- DOE-HFO added that the engineering delays are not impacting design reviews, with the critical path to completion of HLW Facility-specific 90 percent system design reviews remaining approximately four months ahead of the deterministic completion date provided by Bechtel National, Inc. in its November 2023 proposal for the design completion period.

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For August 2025, DOE-HFO reported a net unfavorable cost variance of approximately \$3.5M. DOE-HFO added .

- Current 2025 cost performance on the HLW Facility was an unfavorable 1.9M. The majority of the unfavorable variance is associated with implementing corrections to the earning methodology for apportioned effort associated with design and construction support work, similar to what contributed to the schedule variance noted above. The variance was offset by fewer staff resources required for management related support associated with HLW Facility plant wide services.
- Adding to the variance was an unfavorable cost variance for Project Services of \$1.9M, 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 August 2025 reporting period, LBL/DFLAW reported an EAC increase of approximately \$6.6M, due to:

- A \$7.0 million increase associated with the additional cost to the EAC due to updated time phasing of the forecast in addition to cost for maintenance spares and consumables.
- DOE-HFO added that now that DFLAW has begun operations (as of October 2025), the EAC reporting will end soon. DOE-HFO will discontinue reporting on DFLAW cost and schedule performance as this portion of the WTP Project fully transitions to operations.

Issues/Other Items

- Ecology asked about the timing for completion of Phases 1A and 1B of HLW design. DOE-HFO replied that the Phase 1A completion date is March 31, 2026 and that Phase 1B has a projected completion date in 2027 or 2028. DOE-HFO added it is working on getting contract actions in place to authorize Bechtel National, Inc. to begin work early on Phase 1B. Phase 1B request for proposal and authorization to proceed is expected to be issued in November 2026.

23.0 PRETREATMENT FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Nothing reported.

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

DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree
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- Ecology asked if there were any updates on the release of the Pretreatment Facility Reutilization Study. DOE-HFO replied that the study remains paused, but it will keep Ecology apprised of any developments.

24.0 HIGH-LEVEL WASTE (HLW) FACILITY

Project Schedule and Cost Variance Performance

- See WTP Section 22.0.

Significant Accomplishments during the Prior Month

- Completed 90 percent system design review for the HLW Facility steam systems: high pressure steam, low pressure steam, and steam condensate systems.
- Completed 90 percent system design review for the chilled water system.
- Completed 90 percent system design review for the radioactive liquid waste disposal system.
- Completed confirmatory construction, testing, operations, and maintenance reviews for melter cell area systems to ensure design review actions were incorporated into the design.
- Awarded contract modification for phase 1A of the HLW design completion period.

Ongoing Activities:

- Continued contract negotiations with BNI associated with phase 1B (FY 2026 through FY 2028) of the HLW Facility design completion period.
- HLW Facility 90 percent system design reviews remain a top priority. As of September 2025, twelve of fifteen HLW Facility 90 percent design reviews planned for calendar year 2025 were completed.
- Concrete placement continues to support building enclosure. Thirty-three Over-the -Top (OTT) equipment items and eleven concrete placements were completed in fiscal year 2025.
- 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.
- Implementing DFLAW lessons learned and incorporating improvements to key design and project management processes.
- Establishing improved project control strategy for the HLW Facility design completion period.
- Continued to evaluate flowsheet and waste feed vector requirements associated with DFHLW feed alternatives.
- 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.
- Continued to support system specific commissioning, testing, operations, and maintenance reviews to support design progression.

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Significant Planned Activities in the Next Month

- Complete concrete placement of slab 4025N. DOE-HFO provided an update to note that this placement had been completed.
- Complete 90 percent system design review for the HLW Facility plant wash disposal system.
- Complete 90 percent system design review for the HLW canister pour handling system.
- Set OTT HLW melter cave support handling system vertical shield door. DOE-HFO added there are two additional vertical shield doors to be placed.

Issues/Other Items

- Nothing reported.

25.0 LOW-ACTIVITY WASTE FACILITY

Project Schedule and Cost Variance Performance

- See WTP Section 22.0.

Significant Accomplishments during the Prior Month

- Implementation of the DFLAW Startup Plan and work off of prerequisites to hot commissioning.
- Completed Melter 1 Environmental Performance Demonstration Testing.
- Completed critical decision milestone CD-4A, Approve Start of Initial Waste Treatment.
- Initiated Melter 2 Environmental Performance Demonstration Testing.

On-Going Activities

- Nothing reported.

Significant Planned Activities in the Next Month

- Complete Environmental Performance Demonstration Test on Melter 2.

Issues/Other Items

- Note/Update: DFLAW is currently in operation. DOE-HFO reported five of ten planned canisters of vitrified waste have been filled to date and two of the five containers have been shipped to the Integrated Disposal Facility (IDF). Radiological readings on the canisters at IDF are well below limits.
- Ecology asked to be kept apprised of Tank AP-106 and the Advanced Modular Pretreatment System's ability to continually support feeding treated waste to the DFLAW Facility. DOE-HFO replied it would do so and added that it can still use the TSCR system if needed to support waste feed to the DFLAW Facility. Ecology also mentioned that the 222-S Laboratory is currently sending waste to the SY Double Shell Tank Farms and asked to be kept abreast of any future plans for the SY Tank Farm, regarding tank space and the farm's ability to potentially support the DFLAW mission.

26.0 BALANCE OF FACILITIES

Project Schedule and Cost Variance Performance

DOE-HFO TWO/WTP Tri-Party Agreement/Consent Decree
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- See WTP Section 22.0.

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 WTP Section 22.0.

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.



U.S. DEPARTMENT *of* ENERGY

Office of Environmental Management

Hanford Field Office

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

Andy Wiborg

TPD Division Director, Tank Waste Operations

U.S. Department of Energy, Hanford Field Office

November 13, 2025



U.S. DEPARTMENT
of **ENERGY**

Office of Environmental
Management

Hanford Field Office

Agenda

- Safety Culture Share
- 222-S Laboratory (8:30 a.m. – 9:00 a.m.)
- Tank Waste Operations (9:00 a.m. – 10:15 a.m.)
 - 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 a.m. – 11:00 a.m.)





U.S. DEPARTMENT *of* ENERGY

Office of Environmental Management

Hanford Field Office

222-S Laboratory Tri-Party Agreement Project Manager Meeting

Reporting Period

September 1, 2025, to October 31, 2025

U.S. Department of Energy, Hanford Field Office

November 13, 2025



U.S. DEPARTMENT
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Laboratory Production

- From October 1, 2024, to September 30, 2025, Navarro-ATL delivered the following project reports on-time or early:
 - 116 of 122 (95%) high-level radioactive sample
 - 342 of 357 (96%) low-activity sample
- From October 1, 2025, to October 25, 2025, Navarro-ATL delivered the following project reports on-time or early:
 - 8 of 8 (100%) high-level radioactive sample
 - 14 of 15 (93%) low-activity sample



Laboratory Reports Delivered (September 2025 and October 2025)

- Tank 241-AP-103 grab sample
- Tank 241-AN-102 core sample
- Tank 241-AP-108 grab sample
- Tank 241-AP-106 grab sample for organics by the U.S. Environmental Protection Agency SW-846 method
- Tank 241-AP-106 grab sample for organics by stir bar sorptive extraction method
- 219-S Tank 102 post chemical addition sample
- Beryllium analysis for Tank 241-AP-103 grab sample
- Beryllium analysis for Tank 241-SY-102 core sample
- Dissolution study for solid samples received from Tank 241-A-102
- Solid phase characterization of Tank 241-SY-102
- Corrosion study of residual raw water in transfer lines after flushing
- S-SX Tank Farm vadose cores

Significant Accomplishments

- Received Purex deep bed filter and condensate Tank 202 samples
- Completed the replacement of 11A Hot Cell Annex floor tiles
- Completed the installation of x-ray diffractometer in Room 1F
- Completed all planned work for ten-day fall laboratory maintenance outage



Significant Planned Activities

- Receive and analyze samples from:
 - Tank 241-AZ-102 core
 - Tank 241-A-101 tank closure grab
 - Tank 241-AW-102 evaporator feed grab
- Transfer 219-S TK-102 contents to Tank 241-SY-101
- Repair roof on east side of 222-S Building
- Sanitary water line replacements
- Renovation of Room 4K
- Replace facility process vacuum system



FY 2026 Equipment Upgrades

Instrument	Installation Status
Inductively coupled plasma – atomic emission spectrometer	Initiating Procurement
Liquid scintillation counter	Initiating Procurement
Volatile organic acid purge and trap	Initiating Procurement
Gas chromatograph – Mass spectrometer/Thermal desorption unit	Initiating Procurement
Total organic carbon analyzer	Initiating Procurement
Particle shape analyzer	Initiating Procurement
3D printer	Initiating Procurement
Quantitative polymerase chain reaction	Initiating Procurement
Density meter	Initiating Procurement
Synthesis workstation	Initiating Procurement
Potentiostats (2)	Initiating Procurement
Particle shape analyzer	Installed October FY 2026

Analytical Performance

- Quality assurance evaluations/proficiency tests

Report Date	Reported	Correct	FY 2025 Study (%)
September	373	368	98.6%
Total (FY 2025)	1114	1101	98.8%
October	10	9	90%

FY = fiscal year.

- Hold time performance

Holding Times						
	FY 2021 Final	FY 2022 Final	FY 2023 Final	FY 2024 Final	FY 2025 Final	October 2025
% Met	90.5%	95.4%	97.5%	96.6%	98.3%	95.7%

FY = fiscal year.

Accreditations

- American Industrial Hygiene Association accreditation effective through May 1, 2026
- Washington State Department of Ecology accreditation effective through November 21, 2025
 - Renewal application submitted

Technical Support Division Status

- Waste shipped

Waste Type	Containers Shipped (September 1, 2025, to October 31, 2025)	Receiving Facility
Low-level waste	9 RO/RO	ERDF
Nonregulated	4 RO/RO	PFNW
Mixed and low-level mixed	2 RO/RO 12 drums, 31 drums	ERDF PFF / PFNW
Hazardous	12 drums	PFF
Universal/recycle	3 boxes, 1 container	PFF

ERDF = Environmental Restoration Disposal Facility.
PFF = Perma-Fix of Florida.

PFNW = Perma-Fix Northwest.
RO = roll-on/roll-off.

Technical Support Division Status (Cont.)

- Waste storage inventory

219-S Tanks	Inventory (gal)	Max Volume (gal)
TK-101	271	3600
TK-102	3462	3600
TK-104	1008	1710

Container Unit	Inventory (units)
Room 4E	7 drums, 12 containers
Room 2B	12 drums
Dangerous mixed waste storage area	98 drums, 7 containers
T8 Alcove	(fixed)

Conclusion

Questions?



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

Agreements:

1. Per an Ecology standing request (4/21/2016), Department of Energy Hanford Field Office (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. (08/14/25) DOE-HFO has identified Actions 3 (TF-25-08-01) and 4 (TF-25-08-02) below as emergent issues, citing delays in moving forward without a clear regulatory path as having potential impacts to DOE-HFO’s ability to meet existing Tri-Party Agreement milestone due dates.

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	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	DOE-HFO	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		<p>Hanford Sitewide Permit and Dangerous Waste Regulations”.</p> <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>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 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 – October 2025 – No change in status.</p>		

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
2	TF-25-07-01 10 Jul 2025	Ecology would like to discuss the status of a draft TPA change control form drafted by Ecology and shared with DOE-HFO on 02/25/25, which proposes a schedule for design and construction of interim surface barriers for Tank Farms S/SX, BX/BY, and A/AX.	07/10/25 – DOE-HFO committed to scheduling a meeting with Ecology to discuss the draft TPA change control form. August – October 2025 – no change in status.	DOE-HFO	Open
3	TF-25-08-01 14 Aug 2025	DOE-HFO requests Ecology determine what is needed prior to Ecology making a decision on the applicability of Landfill Closure for the remaining Waste Management Areas, and report to DOE-HFO when and how that will occur.	09/11/25 – Ecology’s Legal department is reviewing and will then meet with Ecology project staff on September 12 or 13, 2025. 10/09/25 – Ecology reported it continues to meet on this topic internally, also that it is still pursuing certification of the practicability document that determined that that clean closure is impractical. Ecology added that this action may not be closed until the RCRA Rev. 9 permit is issued.	Ecology	Open
4	TF-25-08-02 14 Aug 2025	DOE-HFO requests Ecology discuss with Ecology management if there are any inconsistencies between the Washington Administrative Code and the <i>Central Plateau Inner Area Cleanup Principles and Parameters</i> (DOE-/RL-2019-46 Rev.0) – which was	09/11/25 – Ecology reported it is not likely that a decision will be made on this issue until after the Hanford Sitewide Permit Rev. 9 is issued. 10/09/25 – No change in status.	Ecology	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		agreed to by the Parties and added to the Tri-Party Agreement Appendix F on 10/28/20 (<u>AR-04246</u>) – and provide them to DOE-HFO.			

DOE-HFO/Ecology TPA and CD Agreements, Issues, and Action Items – November 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> <p>July – October 2025 – No change in status.</p>	DOE-HFO	Open

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	October 2025	HNF-EP-0182	452	Waste Tank Summary Report for Month Ending August 31, 2025	Supporting documentation.	AR-37252	13-Nov-25	
M-045-56	Other	ECY/DOE	October 2025	RPP-RPT-65580	0	Completion Report for Interim Measures 241-B-Farm Soil Samples, Phase 2	Associated with field work accomplished under M-045-56 interim measures.	AR-37309	13-Nov-25	
M-045-112	Other	ECY/DOE	October 2025	RPP-RPT-65720	0	Waste Management Area U Closure Conceptual Design Report	support the WMA U Integration Study for HFFACO Milestone M-045-112.	AR-37390	13-Nov-25	
M-045-123	Other	ECY/DOE	October 2025	ECF-HANFORD-10-0453	4	Calculation of Standard Method C Direct Contact Soil Cleanup Levels for Industrial Land Use for the 100 Areas and 300 Area Remedial Investigation/Feasibility Study Reports.	supports the WMA B-BX-BY RFI/CMS Work Plan, SAP, and DQO report for HFFACO Milestone M-045-123.	AR-37419	13-Nov-25	
N/A	Other	ECY/DOE	October 2025	HNF-EP-0182	453	Waste Tank Summary Report for Month Ending September 30, 2025	Supporting documentation.	AR-37619	13-Nov-25	
M-045-105	Other	ECY/DOE	October 2025	RPP-ENV-64037	1	Waste Management Area A-AX Performance Assessment for Closure: Volume 1 - Introduction	completed as a part of M-045-105 milestone.	AR-37756	13-Nov-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
M-023-23	TPA-CN-1153	RPP-9937	5F	Single Shell Tank System Leak Detection and Monitoring Functions and Requirements Document	Revise Table A-2 to remove 241-AX-101 as the tank has been retrieved. Add tank 241-AX-101 to Table A-1 as a post-retrieval tank.	None	Completed	10/15/2025	10/16/2025	10/22/2025	AR-37596	Approved

In accordance with the identified sections of RPP-9937, *Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document*, Rev. 5E, 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-A-106	ILL/U	9/12/2025	Investigating cause
241-B-202	SL/U	9/21/2025	Known intrusion
241-BY-103	ILL/U	8/21/2025	Investigating cause
241-T-111	ILL/L	8/13/2025	Assumed leaker
241-T-201	SL/U	9/20/2025	Known intrusion
241-TX-114	ILL/L	1/29/2025	Investigating cause
241-TX-116	ILL/U	9/2/2025	Redistribution
241-TX-117	ILL/L	6/2/2025	Gas response to high barometric pressure
241-TY-103	ILL/L	4/14/2025	Investigating cause
241-TY-105	ILL/L	9/23/2025	Investigating cause
241-U-107	ILL/U	7/8/2025	Investigating 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

244-BX DCRT (Tank)

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.

Extended Outages and Device Repair/Replacement

Section 6.2

244-BX DCRT (Tank): The tape and reel are jammed within the manual tape assembly. A work order is being created to troubleshoot and fix.

Baseline Change Authorizations Implemented

Section 7.1

Tank	SL or ILL?	Justification
241-BY-106	ILL	Saltwell pumping redistribution
241-BX-103	SL	Known intrusion

This list reflects all BCAs implemented within the reporting quarter.

Newly Identified Intrusions

Section 4.1.1

None

Declaration of Leaks to the Environment

Section 4.1.2

None



	Tank	SL/ILL? Upper/Lower?	Justification
Tanks Level Returned within Specification Limits	241-SX-111	ILL	Subsequent data within specification limits
	241-TX-115	ILL	Subsequent data within specification limits
	241-TX-118	ILL	Subsequent data within specification limits
	241-U-110	ILL	Subsequent data within specification limits

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



**DOE Tank Waste Operations/Waste Treatment and Immobilization Plant
Tri-Party Agreement Monthly Project Manager Meeting
November 13, 2025**

ATTENDEES

Ricky Bang, DOE-TWO
Becky Blackwell, DOE-TWO
Jeff Cheadle, DOE-TWO
Kallen Kidder, DOE-TWO
Dawn MacDonald, DOE-TWO
Chantal Martin, DOE-TWO
Erik Nelson, DOE-TWO
Will Ruane, DOE-TWO
Tom Teynor, DOE-WTP
Craig Whiteley, DOE-WTP
Katherine Wong, DOE-TWO
Holly Bowers, H2C
Kate Draper, H2C
Marc Leavitt, H2C
Maria Lopez, H2C
Katie Roberts, H2C
Don Heidelberg, HLMI
Eric Van Mason, HLMI
Cynthia Bounds, HMIS

Stephanie Brasher, HMIS
Michael Turner, HMIS
Debra Alexander, Ecology
Cole Caldwell, Ecology
Ambika Chakravartty, Ecology
Jackson Davis, Ecology
Cathrene Glick, Ecology
Amie Green, Ecology
Moises, Guevara, Ecology
Doug D'Hondt, Ecology
Luissa Johnston, Ecology
Jeff Loa, Ecology
Dan McDonald, Ecology
Joy Morris, Ecology
Steve Needles, Ecology
George Peck, Ecology
Beth Rochette, Ecology
Benjamin Leake, EPA