

***DOE Tank Waste Operations/Waste Treatment and  
Immobilization Plant  
Tri-Party Agreement/Consent Decree  
Quarterly Milestone Review Meeting Minutes***

**June 12, 2025**

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**CONCURRENCE SIGNATURES**

In accordance with the Tri-Party Agreement 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.

Approval: **RICKY BANG** Digitally signed by  
RICKY BANG  
Date: 2025.07.08  
13:30:06 -07'00'

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R. Bang, DOE-HFO IAMIT Representative

Approval:  Digitally signed by Schleif,  
Stephanie (ECY)  
Date: 2025.07.09 15:39:22  
-07'00'

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S.N. Schleif, Ecology IAMIT Representative

Approval:  Digitally signed by LAURA  
BUELOW  
Date: 2025.07.11 08:48:06  
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L.C. Buelow, EPA IAMIT Representative

**DOE TWO/WTP Tri-Party Agreement/Consent Decree Quarterly Milestone Review  
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**Acronyms and Abbreviations**

AR	Administrative Record
BOF	Balance of Facilities
CD	Consent Decree
CD-1	critical decision
CERCLA	<i>Comprehensive Environmental Response, Compensation and Liability Act</i>
DFLAW	direct feed low-activity waste
DFHLW	direct feed high-level waste
DOE	U. S. Department of Energy
DST	double-shell tank
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
HFO	Hanford Field Office
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	U. S. Department of Energy, Office of River Protection
PA	Performance Assessment
PMM	project manager meeting
PT	Pretreatment
RCRA	<i>Resource Conservation and Recovery Act</i>
RFI/CMS	RCRA Facility Investigation/Corrective Measures Study
SST	single-shell tank
TBI	Test Bed Initiative
TPA	<i>Tri-Party Agreement</i>
TSCR	tank-side cesium removal
TWO	Tank Waste Operations
WMA-A/X	Waste Management Area A/AX
WMA-C	Waste Management Area C
WTP	Waste Treatment and Immobilization Plant

# DOE/WTP Tri-Party Agreement/Consent Decree Quarterly Milestone Review Meeting Minutes June 12, 2025

## 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, utilizing 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 September 11, 2025.

### Recent Items Entered Into the Hanford Administrative Record (AR)

*The Office of River Protection Tri-Party Agreement (TPA) and Consent Decree (CD) Monthly Reports for the period of April 1 – April 30, 2025*, were entered into the Hanford AR on May 28, 2025. The meeting minutes from the May 8, 2025 TWO/WTP TPA/CD Monthly Project Managers Meeting were entered into the Hanford AR on June 10, 2025. \*NOTE: For other documents added to the AR see, “*Items Entered into the Hanford Administrative Record*” attached to these meeting minutes.

### Tri-Party Agreement Milestones Status

DOE-HFO noted that, due to the recent wave of retirements, many functions are without backup and existing staff are sometimes covering multiple areas, adding that staffing levels are down from approximately 300 positions to just over 200 positions. As such, DOE-HFO asked that the regulators exercise patience in getting responses to inquiries while the department adjusts. Ecology asked that in turn, DOE-HFO communicate new points of contact for key areas as soon as possible. DOE-HFO agreed to do so.

DOE-HFO stated all TPA milestones reported on were either Complete or On Schedule (for details on specific milestones, see pages 1-3 of the April 2025 DOE TPA Monthly Report and throughout these minutes).

DOE-HFO highlighted completion of TPA milestones:

- M-045-136, Submit Retrieval Technology Work Plan on SST Retrieval Technologies/Proposal for an Expert Advisory Panel, due 03/30/2025, was completed on 03/13/2025.
- M-045-116, Submit RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA S-SX, due 12/31/2025, was completed on 02/26/2025.

### Tri-Party Agreement Issues and Action Items and Key Documents

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

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

1. 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
- 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. *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. On May 29, 2025, DOE-HFO provided the Low-Level Waste Disposal Facility Federal Review Group Review Report for the Hanford Site to Ecology. As such, Ecology agreed the action could be closed. *This action was closed.*

**Action No. 4 (TF-25-05-01):** Ecology requests Intrusion Investigation results for tanks 241-BY-108, 241-TX-101, and 241-TX-302B. DOE-HFO provided an update noting that it estimated providing a briefing to Ecology in July 2025.

**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.

Ecology noted that a number of documents on the Key Documents List were related to the Waste Management Area-C (WMA-C) Waste Incidental to Reprocessing (WIR) process, and asked DOE-HFO for the status on the WMA-C WIR. DOE-HFO responded (via the meeting group-chat) that there was no active work being done on the WIR at this time.

**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).

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

- Agreed Order #A-022-10, Complete Construction of Interim Barrier at B-Farm.
  - DOE-HFO asked Ecology the status of its comments on RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev 5A (submitted by DOE-HFO, along with the B Tank Farm Interim Surface Barrier design on 03/10/25 to meet Agreed Order #A-022-08, reference 25-TWO-0029). Ecology responded its comments were provided to DOE-HFO on 06/09/25 (reference 25-NWP-095).

### 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 condensed report.

#### Significant Accomplishments

- Installed rebuilt main breakers 1 and 2 in the 222-S building power substation.
- Completed Operational Acceptance Test testing on the Programmable Logic Controller in the 222-S building power substation, after corrective maintenance on the power substation for the 222-S Laboratory was completed in April 2025, restoring redundant power and facility reliability.

#### Significant Planned Activities

- Nothing reported.

#### Issues/Other Items

- Nothing reported.

### 4.0 SYSTEM PLAN

#### Significant Past Accomplishments

- Nothing reported.

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

- TPA Milestone M-062-46, requires DOE-HFO and Ecology to complete negotiations on milestones for tank waste retrieval and sequencing, installation of infrastructure to feed tank waste from the double-shell tanks (DST) to the tank waste treatment system, and as necessary, contingency actions for completing retrievals. DOE-HFO added an update to note that negotiation sessions had begun on June 2, 2025.

#### Issues/Other Items

- Nothing reported.

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**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**

- Awarded the process module conceptual design for the Hanford 200 West Area Tank Farms Risk Management project on April 23, 2025.

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

- Begin infrastructure preliminary design and process module conceptual design for the Hanford 200 West Area Tank Farms Risk Management project.
- Complete public review of the draft Supplement Analysis under National Environmental Policy Act. A 30-day public comment period started on March 24, 2025. An extension was granted extending the comment period to May 23, 2025. DOE-HFO provided an update to note that it was currently compiling its responses to public comments.

**Issues/Other Items**

- Ecology asked about the difference between the process module conceptual design and the infrastructure design. DOE-HFO explained the process module design was solely for the module itself, while the infrastructure design comprised all module support systems, such as piping and the pretreated waste storage tank.

**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.

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**8.0 LOW ACTIVITY WASTE PRETREATMENT SYSTEM (LAWPS)**

**Significant Past Accomplishments**

- Nothing reported.

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

- Complete Advanced Modular Pretreatment System design. DOE-HFO added an update to note that the design was now past the 60% stage.

**Issues/Other Items**

- DOE-HFO noted a change in the Technical Lead for the LAWPS Project: Bibek Tamang has replaced Janet Diediker.

**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 (expected in July or August 2025).

**Issues/Other Items**

- Ecology asked DOE-HFO where it was planning to store treated TSCR waste, or more specifically, if there was enough space in the AP Tank Farm to store all the treated waste from TSCR Campaigns 1 and 2. DOE-HFO replied that technically, there was enough space in the AP Farm to store all the TSCR-treated waste, but DOE-HFO wanted to retain some storage flexibility, so the intent is not to fill AP Farm to capacity. Ecology then asked if there will be an operational feed issue with the Low Activity Waste (LAW) Facility, would DOE-HFO continue to process waste via TSCR. DOE-HFO replied that feed would not be an issue if the LAW Facility encounters issues, but also that there is a large enough queue of treated waste to ensure the facility would have enough feed for a long-duration run.

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

**Significant Past Accomplishments**

- Completed the shipment of all six containers to offsite licensed facilities for grouting and disposal on April 29, 2025. DOE-HFO added that it had received the final completion report (signifying disposition of the grouted waste) from EnergySolutions (Utah) and was awaiting the final completion report from Waste Control Specialists (Texas) – the two licensed facilities that accepted the TBI waste.

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

- Remove TBI equipment from Tank 241-SY-101 and SY Tank Farm.

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**Issues/Other Items**

- Nothing reported.

**11.0 242-A EVAPORATOR STATUS**

**Significant Past Accomplishments**

- Completed Evaporator Campaigns -11 and -12.

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

- Complete Evaporator Campaigns -13 through -15.

**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

- Complete processing waste for FY 2025 processing campaign(s). DOE-HFO added that FY 2025 processing campaigns will total approximately 6 million gallons when complete.

Projects

- Complete partial turnover of Basin 41 transfer line to allow Effluent Management Facility transfers to Basin 42. DOE-HFO provided an update to note that the turnover was now complete.

**LERF Volumes**

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

**Issues/Other Items**

- Nothing reported.

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**13.0 TANK SYSTEM UPDATE**

**13.1 Double-Shell Tank Integrity**

**Significant Past Accomplishments**

- Nothing reported.

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

- Complete deployment of Cold Spray System and coating application in Tank 241-AN-105. Ecology asked where, specifically, in the tank the cold spray being applied and how much was being applied. DOE-HFO responded that the application was in the tank annulus, and it was estimated to be less than a square foot. DOE-HFO added that it would be providing a briefing to Ecology on the process. Ecology asked if this was still a pilot or test project, because any repair to a tank would require a change to the tank's RCRA permit. DOE-HFO replied this application was a pilot/test.

**Ultrasonic Testing Report Status**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**RPP-9937 Rev. 5 Updates**

- Note: RPP-9937 updates are provided quarterly. The next update will be in August 2025.

**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.

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**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 a draft preliminary TPA Appendix I Performance Assessment (PA) Volume 3 for WMA A-AX to Ecology for review on 03/24/25 to fulfill Milestone M-045-105 (reference 25-TWO-0042).

**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**

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

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

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

**Issues/Other Items**

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

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

**Base Operations:**

The March 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 April 2025 TPA Monthly Report.

- The month showed an unfavorable schedule variance of approximately \$1.95 million.

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- The month showed an unfavorable cost variance of approximately \$522,500.

**Waste Feed Delivery/Treatment:**

The March 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 April 2025 TPA Monthly Report.

- The month showed an unfavorable schedule variance of approximately \$1.07 million.
- The month showed a favorable cost variance of approximately \$494,100.

**Treat Waste:**

The March 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 April 2025 TPA Monthly Report.

- The month showed a favorable schedule variance of \$461,345 (below reporting threshold).
- The month showed a favorable cost variance of \$156,410 (below reporting threshold).

**Issues/Other Items**

- Ecology asked about the interface between the TWO and WTP organizations on the design and functions between the High-Level Waste Transfer (HLW) Vault and the High-Level Waste Facility. DOE-HFO responded that the two organizations are engaged in frequent discussions, but also noted that the HLW Vault is still in the beginning stages of design so there is time to assess all needed interfaces with the HLW Facility. DOE-HFO committed to keeping Ecology informed on key discussions as well as progress on the HLW Vault design.

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**19.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS**

**Consent Decree Milestones**

DOE-HFO reported milestones as Completed, On Schedule, or At Risk (see pages 3-5 of the DOE-HFO April 2025 Consent Decree Monthly Report as well as individual sections of these meeting minutes).

**Consent Decree Issues and Action Items**

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

**Emergent Issues:**

There are no current emergent issues.

**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 provided an update on the action, noting that it had issued a letter to its TWO and WTP contractors, H2C and Bechtel National Inc., requesting them to work together on developing a functional requirements evaluation for the interface between the Waste Transfer Vault and the WTP. Ecology added that continuing dialogue between DOE-HFO and Ecology on progress would be beneficial. DOE-HFO agreed. This action remains open.

**Action No.2 (WTP-25-05-01):** Ecology requests a copy of the Pretreatment Facility Reutilization Study. DOE-HFO provided an update to note that the Hanford Site Manager requested the contractor conduct the study to reanalyze other potential uses for the facility besides possible mockups and other non-nuclear uses, specifically at uses of the tanks for radiological liquid waste holding or processing and the associated costs. DOE-HFO added that the study would have to be approved at the DOE Secretary-2 level, which could add time to its release. DOE-HFO did however, commit to sharing the potential options being analyzed with Ecology as the document is developed. DOE-HFO anticipates sharing the study with Ecology by the end of July 2025.

Ecology encouraged DOE-HFO to explore other uses for the yet-to-be-used tanks in the Pretreatment Facility, such as additional storage for double-shell tank waste to support the direct feed low-activity waste (DFLAW) mission. Ecology cautioned about making decisions on the facility ahead of already scheduled negotiations required by the TPA for joint Ecology/DOE-HFO decisions on future waste pretreatment options. Finally, Ecology noted that, regardless of the facility ever storing or processing waste, it is a RCRA permitted facility, and as such would have to undergo the full RCRA closure process. This action remains open.

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**20.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

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

- DOE-HFO reported:
  - An unfavorable schedule variance of \$2.7M, primarily due to delays with tank A-106 infrastructure installation.
  - A favorable cost variance of \$1M, primarily due to less-than-planned common upgrade costs in A Tank Farm and S Tank Farm.

**Significant Accomplishments during the Prior Month**

- Nothing reported.

**On-Going Activities**

- Continued Tank A-101 retrieval operations. The total waste volume retrieved as of the end of April 2025 was approximately 56 percent. DOE-HFO provided an update to note that retrieval was now at approximately 60 percent.

**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 PROJECT**

**Project Schedule and Cost Variance Performance**

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

For March 2025, DOE-HFO reported a favorable schedule variance of approximately \$3.9 million, or 14 percent ahead of schedule, primarily due to:

- Schedule performance for HLW Facility design was nearly 40 percent ahead of planned work due to acceleration of 90-percent system design reviews, efficiencies related to completion of melter off-gas piping and instrumentation drawings, and early completion of melter system drawing scope.

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- Schedule performance in construction was 20 percent ahead of plan due to better than expected performance for installation of embedded steel in concrete slabs, installation of over-the-top canister export handling system crane and rail installation for canister pour handling manipulator.

For March 2025, DOE-HFO reported a net unfavorable cost variance of approximately \$368,000, primarily due to:

- Cost performance on the HLW Facility was a favorable \$3.5 million (cost performance index of 1.12). The majority of the favorable cost variance was associated with correcting earned value performance on fireproofing and special coating subcontracts from prior periods, and less than planned levels of relocation, training, and support for mechanical and mechanical handling engineering disciplines.
- The reporting month cost variance for Project Services was an unfavorable (\$3.1 million) due to time-dependent costs for DFLAW being incurred later than baseline completion.

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

For the March 2025 reporting period, LBL/DFLAW reported an EAC increase of approximately \$31.9M, due primarily to:

- \$21.7 million increase of estimated cost associated with the remaining cold commissioning subcontract as assessed during the summit and forecast summary review.
- \$10.2 million increase associated with continued review and adjustment to existing subcontractor accruals based on higher-than-expected cost.

## **Issues/Other Items**

- Nothing reported.

## **23.0            PRETREATMENT FACILITY**

### **Project Schedule and Cost Variance Performance**

- Nothing reported.

### **Significant Accomplishments during the Prior Month**

- Nothing reported.

### **Ongoing Activities:**

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

### **Significant Planned Activities in the Next Month**

- Nothing Reported.

## **Issues/Other Items**

- See discussion under 1.0 “WTP Actions” in these meeting minutes.

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**24.0 HIGH-LEVEL WASTE FACILITY**

**Project Schedule and Cost Variance Performance**

- See WTP Section 4.0.

**Significant Accomplishments during the Prior Month**

- Three pieces of over-the-top equipment placements were completed – HLW melter feed process system wall box, an additional shield door, and a crane assembly.
- The HLW Preliminary Documented Safety Analysis, Rev. 0 was approved and has been implemented by the contractor. Overall, nuclear safety documentation continues to move forward.

**Ongoing Activities:**

- Concrete placement continues to support building enclosure. Eight over-the-top concrete placements are planned for June 2025. For the calendar year, 29 over-the-top equipment items and 12 concrete placements are planned. Erecting of steel at the over-the-top level is planned for later this summer.
- Continue contract negotiations with BNI associated with the HLW Facility design completion period proposal.
- HLW Facility 90 percent system design reviews remain a top priority. Eleven detailed (90 percent) design reviews for the HLW Facility are planned in calendar year 2025.
- 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.
- Continue to support system specific commissioning, testing, operations, and maintenance reviews to support design progression.

**Significant Planned Activities in the Next Month**

- Complete a cost and technical evaluation of the BNI Phase 1A design completion period proposal. DOE-HFO provided an update to note the cost and technical evaluation was complete, while negotiations continue on Phase 1A design completion.

**Issues/Other Items**

- DOE-HFO reported a potential issuing of a new Request for Proposal for HLW Facility design Phase 1B, which would entail the bulk of testing, completion of design, and

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weathering-in of the facility. DOE-HFO is also working on producing a high-confidence baseline to support contract negotiations. Ecology asked about the schedule for completion of HLW design completion. DOE-HFO responded that March 2028 is the risk-informed date and August-September 2027 is the deterministic date. DOE-HFO added that the contractor is currently 87 days ahead of schedule.

**25.0 LOW-ACTIVITY WASTE FACILITY**

**Project Schedule and Cost Variance Performance**

- See WTP Section 4.0.

**Significant Accomplishments during the Prior Month**

- Completed LAW Facility Safety Basis independent verification review.
- Completed management self-assessment review.
- Completed receipt of nitrated simulant into LAW Melter Feed Process System vessel.
- Demonstrated lidding and container transport through the north finishing line.
- Completed C5V expansion joint repairs.

**On-Going Activities**

- The DOE Readiness Review Team completed its review on June 9, 2025. The project is now working through the Pre-Start findings, of which, DOE-HFO reported, there were few.

**Significant Planned Activities in the Next Month**

- Complete automatic waste feed cutoff baseline testing.
- Complete contractor operational readiness review. DOE-HFO provided an update to note the review was now complete.
- Initiate Shakedown testing.
- Continue activities to support the phased upgrade of the LAW glass former system.
- Complete Bubbler installation in Melter 1.

**Issues/Other Items**

- DOE-HFO reported difficulties during conditioning of the carbon bed, with faster than expected temperature rises, but the introduction of nitrate curbed the heating enough for the final criteria of conditioning to be met. The project is now addressing how frequently and how much nitrate will be needed going forward. DOE-HFO committed to keeping Ecology aware of developments and prospective decisions regarding nitrate use. DOE-HFO also reported discrepancies between the vendor and the project's carbon monoxide concentration measurements encountered during a Relative Accuracy Test Audit. DOE-HFO reported this issue has now been resolved.
- DOE-HFO reported Melter 2 ran successfully for nearly one week straight and is producing glass simulant at an expected rate.
- Repairs on stuck bubblers in Melter 1 are now complete.
- Ecology, noting the technical challenges recently encountered, asked if DOE-HFO was still confident it would make the Consent Decree requirement of Hot Commissioning of

**DOE/WTP Tri-Party Agreement/Consent Decree Quarterly Milestone Review  
Meeting Minutes  
June 12, 2025**

the LAW Facility by the August 1, 2025 deadline (D-00A-04). DOE-HFO replied that overall, progress has been good, and it remains confident it will meet the due date.

**26.0 BALANCE OF FACILITIES**

**Project Schedule and Cost Variance Performance**

- Nothing reported.

**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**

- Nothing reported.

**Significant Accomplishments during the Prior Month**

- Nothing reported.

**Ongoing Activities:**

- Nothing reported.

**Significant Planned Activities in the Next Month**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.



# THE HANFORD SITE

## **Hanford Field Office Monthly and Quarterly Tri-Party Agreement Milestone Review**

Monthly Reporting Period

April 1 – 30, 2025

*June 12, 2025*

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

Note: This quarterly meeting also meets the requirements for the monthly TPA review per section 4.1 of the TPA

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

### Agreements:

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

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

(Updated information in [blue](#))

### Emergent Issues (Past 3 months):

1. [None](#).

### TANK FARMS OPERATIONS ACTION ITEMS

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-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>	<p>12/14/23 – DOE-HFO agreed to provide a briefing to Ecology to cover the topics.</p> <p>01/11/24 – No change in status.</p> <p>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.</p>	DOE-HFO	<p><a href="#">Closed</a></p> <p><a href="#">(05.08.25)</a></p>

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>05.08.25 – DOE-HFO 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.</p>		
2	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</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>	DOE-HFO	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		<p>the milestone work for activating the lines.</p> <p>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>	<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><i>April – May, 2025 – No change in status.</i></p>		
3	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 - May 2025 – No change in status.</p> <p><i>05/29/25 – DOE-HFO sent the Low-Level Waste Disposal Facility Federal Review Group Review Report for the Hanford Site</i></p>	DOE-HFO	<p><i>Closed</i></p> <p><i>(05/29/25)</i></p>

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			Waste Management Area A-AX Performance Assessment for Closure to Ecology (email from R. Blackwell to G. Peck)		
4	TF-25-05-01 08 May 2025	Ecology requests Intrusion Investigation results for tanks 241-BY-108, 241-TX-101, and 241-TX-302B		DOE-HFO	Open

**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 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.  05/08/25 – DOE-HFO is working on a briefing for Ecology and projected giving the briefing on or around May 30, 2025.	DOE-HFO	
2	WTP-25-05-01 08 May 2025	Ecology requests a copy of the Pretreatment Facility Reutilization Study	05/08/25 – DOE-HFO projected the study would be released by the end of June 2025 or sooner.	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
N/A	Other	ECY/DOE	May 2025	WHC-SD-GN-ER-30038	2	Volcano Ashfall Loads for the Hanford Site	Final WMA C Closure WIR Evaluation	<a href="#">AR-35024</a>	12-Jun-25	
N/A	Ogher	ECY/DOE	May 2025	SOP 200.6.50	0	Transfer: 204-S, TK NO. 4 to TK-107-U	Final WMA C Closure WIR Evaluation	<a href="#">AR-35012</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	TO-025-001	B-4	Tank Farm Transfer Procedure - General, Rockwell Hanford Operations	Final WMA C Closure WIR Evaluation	<a href="#">AR-35013</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	WHC-SD-GN-ER-30009	0	Bibliography and Summary of Geotechnical Studies at the Hanford Site	Final WMA C Closure WIR Evaluation	<a href="#">AR-35020</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	WRPS-1603585	N/A	Third Quarter Fiscal Year 2016 Radiological Control Performance Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-35026</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-CALC-60641	1	Retrieval Performance of Tank 241-C-105 Using the Vacuum-Mobile Arm Retrieval System	Final WMA C Closure WIR Evaluation	<a href="#">AR-34894</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-CALC-66115	0	Evaluation of Updated Tank Residual Waste Volumes and Inventories for Single-Shell Tanks in Waste Management Area C	Final WMA C Closure WIR Evaluation	<a href="#">AR-34895</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-PLAN-48868	2	Single-Shell Tank 241-C-110 Hard Heel Retrieval Method Selection	Final WMA C Closure WIR Evaluation	<a href="#">AR-34898</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-PLAN-51371	3	Process Control Plan for Tank 241-C-109 Waste Heel Retrieval	Final WMA C Closure WIR Evaluation	<a href="#">AR-34899</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-PLAN-51575	1	Process Control Plan for Tank 241-C-104 Hard Heel Retrieval	Final WMA C Closure WIR Evaluation	<a href="#">AR-34901</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-PLAN-53943	1	Process Control Plan for Tank 241-C-110 Waste Heel Retrieval	Final WMA C Closure WIR Evaluation	<a href="#">AR-34902</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-PLAN-55462	0	Single-Shell Tanks 241-C-111 and 241-C-112 Hard Heel Retrieval Technology Selection	Final WMA C Closure WIR Evaluation	<a href="#">AR-34903</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-26475	1A	Retrieval Data Report for Single-Shell Tank 241-C-203	Final WMA C Closure WIR Evaluation	<a href="#">AR-34905</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-27233	2	Tank 241-C-203 Residual Waste Inventory Estimates for Tank Component Closure Risk Assessment	Final WMA C Closure WIR Evaluation	<a href="#">AR-34915</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-30181	0B	Retrieval Data Report for Single-Shell Tank 241-C-201	Final WMA C Closure WIR Evaluation	<a href="#">AR-34916</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-44139	4	Nuclear Waste Tank Retrieval Technology Review and Roadmap	Final WMA C Closure WIR Evaluation	<a href="#">AR-34917</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-49200	0	Direct Assessment of 241-SY Pipelines SN-285 and SN-286	Final WMA C Closure WIR Evaluation	<a href="#">AR-34918</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-49821	2	MARS Vacuum Retrieval System Activity Description	Final WMA C Closure WIR Evaluation	<a href="#">AR-34919</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-52449	0	Single-Shell Tank 241-C-108 Hard Heel Retrieval Completion Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-34920</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-52480	0	Retrieval Completion Report for Modified Sluicing of Tank 241-C-112	Final WMA C Closure WIR Evaluation	<a href="#">AR-34921</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-53486	0	Single-Shell Tank 241-C-109 Hard Heel Retrieval Completion Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-34922</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-55573	0	Retrieval Completion Report for Modified Sluicing of Tank 241-C-101 Using Extended Reach Sluicing and High-Pressure Water	Final WMA C Closure WIR Evaluation	<a href="#">AR-34923</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-56356	1	Development of Alternative Digital Geologic Models of Waste Management Area C	Final WMA C Closure WIR Evaluation	<a href="#">AR-34925</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-56900	1	Single-Shell Tank 241-C-112 Hard Heel Retrieval Completion Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-34926</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-58499	0	241-AN-06A Slurry Distributor Failure Assessment	Final WMA C Closure WIR Evaluation	<a href="#">AR-34928</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-59292	0	Single-Shell Tank 241-C-111 Hard Heel Retrieval Completion Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-34930</a>	12-Jun-25	

**Documents Submitted to the Administrative Record (AR)**

Other	Primary, Secondary, or Other	Requesting Agency	Request Date	Document Number	Revision	Title	Comment	AR Link or AR Accession No.	PMM Request Date	PMM Approved /Disapproved
N/A	Other	ECY/DOE	May 2025	RPP-RPT-60566	0	C-200 Tank Closure Grout Formulation Review and Recommendations for Testing	Final WMA C Closure WIR Evaluation	<a href="#">AR-34931</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-RPT-64944	0	Waste Classification Sum of Fractions Calculations for Tank Residual Wastes in Support of the Waste Management Area C WIR Evaluation Report	Final WMA C Closure WIR Evaluation	<a href="#">AR-34933</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-SPEC-62518	0	241-C-200 Closure Infrastructure Design Construction Specification	Final WMA C Closure WIR Evaluation	<a href="#">AR-34935</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	SD-RE-TI-044	0	Analysis of Pipeline Failure, SL-176	Final WMA C Closure WIR Evaluation	<a href="#">AR-34938</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	SOP 200.1.3	0	Tank Farm Pumping - General	Final WMA C Closure WIR Evaluation	<a href="#">AR-34939</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	N/A	N/A	Meeting Notes WMA S-SX Status Meeting - February 24, 2025	support the WMA S-SX RFI	<a href="#">AR-34851</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	RPP-CALC-60793	1	WMA C Flow and Contaminant Transport Model Simulations Supporting Scoping Analysis and Future Projected Impacts of Past Waste Releases	Support of Closure and Interim Measures Regulatory Documents and Performance Assessments	<a href="#">AR-34817</a>	12-Jun-25	
N/A	Other	ECY/DOE	May 2025	HNF-EP-0182	447	Waste Tank Summary Report for Month Ending March 31, 2025	Supporting Documentation	<a href="#">AR-34673</a>	12-Jun-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	1146	RPP-9937	5E	Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document	Revise Table A-3 to change the monitoring device for 241-EW-151-CT from manual tape to Enraf.	None	Signed	5/8/2025	5/22/2025	5/29/2025	In progress	Approved

## 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	<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	<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	Bang, Ricky	Reference DOE letter 23-TWO-0024 dated 1/3/2024, which submitted RPP-RPT-64422, "Tank 241-B-109 and 241-T-111 Intrusion Investigation and Intrusion Response Work Plan," Rev. 1 to ECY, which identified the Final Report being issued by 3/31/2027.
A-022-04	8/25/2023	Complete 8/21/2023	Submit active ventilation practicability evaluation and determination	AO V.C.1.iv	Noyes, Delmar	<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	<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 (Pursuant to approved Active Ventilation Work Plan schedule)	Complete 5/14/2024	If applicable, install and begin operation of active ventilation system on B-109	AO V.C.2.iii	Noyes, Delmar	<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	<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	Reference DOE letter 25-TWO-0029 dated 3/10/25, which submitted the B Tank Farm Interim Surface Barrier design package and RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 5 to complete this requirement. 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	Bang, Ricky	Reference DOE letter 24-TWO-0167 dated 12/12/24, which submitted the T Farm Interim Surface Barrier design package to ECY. Reference ECY letter 25-NWP-002 dated 1/02/25, which extended ECY's review/comment period on the T Farm Interim Surface Barrier design package to 2/25/25. Reference ECY letter 25-NWP-028 dated 2/19/2025, which transmitted comments to DOE on RPP-RPT-61684, T Tank Farm Interim Surface Barrier Design and the Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 4A. Reference DOE letter 25-TWO-0052 dated 4/10/25, which responded to ECY's comments by providing RPP-RPT-61684, Rev 5A, and noted the day-for-day slip in completing construction of the barrier began on March 12, 2025, three months after submittal of the interim surface barrier design with letter 24-TWO-0167. Reference ECY letter 25-NWP-071 dated 5/08/2025, which extended ECY's review of the T-Tank Farm Interim Surface Barrier Design and RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program, Rev. 5A to 6/25/2025.
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	Bang, Ricky	Reference DOE letter 25-TWO-0029 dated 3/10/25, which submitted the B Tank Farm Interim Surface Barrier design package to ECY. Reference ECY letter 25-NWP-049 dated 3/24/25, which extends ECY's review/comment period on the B-Tank Farm Interim Surface Barrier Design to 6/10/25.
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	<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. 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	<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>

## 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-022-13	<b>TBD</b> (Within 90 days of ECY's approval of the Leak Detection and Monitoring Technology Evaluation)	<b>On Schedule</b>	If applicable, submit Leak Detection and Monitoring Technology Work Plan	AO V.F.2.ii	Bang, Ricky	Reference DOE letter 24-TWO-0091 dated 8/08/24, which submitted RPP-RPT-64595, Rev 0 to ECY for approval. Reference ECY letter 24-NWP-177 dated 9/19/24, which extended their review 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. Reference ECY letter 25-NWP-064 dated 4/28/25, approving DOE's extension for comment resolution to 6/30/25. Reference DOE letter 25-TWO-0069 dated 5/21/2025, which submitted RPP-RPT-64595, Rev 1 and responded to ECY's comments.
A-022-14	<b>TBD</b> (Pursuant to approved Leak Detection and Monitoring Technology Work Plan schedule)	<b>On Schedule</b>	If applicable, implement Leak Detection and Monitoring Technology Work Plan	AO V.F.2.iii	Bang, Ricky	
A-024-01	1/31/2025	<b>Complete</b> 1/16/25	Submit results of 241-T-101 intrusion investigation and, if applicable, Intrusion Response Work Plan	AO Addendum V.B.1	Noyes, Delmar	<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 ECY.</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	Bang, Ricky	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. Reference ECY letter 25-NWP-069 dated 5/16/2025, which transmitted comments to DOE on RPP-RPT-65278, Rev 0.
A-024-03	1/31/2025	<b>Complete</b> 1/16/25	Submit 241-T-101 active ventilation practicability evaluation and determination	AO Addendum V.C.1	Noyes, Delmar	<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 ECY.</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	Bang, Ricky	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. Reference ECY letter 25-NWP-078 dated 5/20/25, extending their review period on RPP-RPT-65234, Rev 0, to 6/20/25.
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	Bang, Ricky	
A-024-06	1/31/2025	<b>Complete</b> 1/14/2025	Negotiate new HFFACO milestones for retrieval of tank 241-T-101	AO Addendum V.E	Noyes, Delmar	<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 Ecology Administrative Order, Agreed Order Docket No. 21304, Agreed Order Between Ecology 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 Ecology 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 Ecology 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 Ecology Issued an Addendum to Agreed Order Docket No. 21304, Agreed Order Between Ecology and the DOE, regarding SST 241-T-101 (reference AR-32535).

**DOE Tank Waste Operations/Waste Treatment and Immobilization Plant  
Quarterly Tri-Party Agreement Milestone Review Meeting  
June 12, 2025**

**ATTENDEES**

Becky Blackwell, DOE-TWO  
Jeff Cheadle, DOE-TWO  
Mat Irwin, DOE-WTP  
Kallen Kidder, DOE-TWO  
Dawn MacDonald, DOE-TWO  
Chantal Martin, DOE-TWO  
Erik Nelson, DOE-TWO  
Will Ruane, DOE-TWO  
Shane Serafin, DOE-WTP  
Bibek Tamang, DOE-TWO  
Tom Teynor, DOE-WTP  
Susan Vargas, DOE-WTP  
Andy Wiborg, DOE-TWO  
Katherine Wong, DOE-TWO  
Holly Bowers, H2C  
Kate Draper, H2C  
Maria Lopez, H2C  
Don Heidelberg, HLMI  
Eric Van Mason, HLMI  
Cynthia Bounds, HMIS

Stephanie Brasher, HMIS  
Michael Turner, HMIS  
Debra Alexander, Ecology  
Cathrene Glick, Ecology  
Eddie Holbrook, Ecology  
Suzanne Dahl, Ecology  
Jackson Davis, Ecology  
Doug D'Hondt, Ecology  
Bill Hudson, Ecology  
Luissa Johnston, Ecology  
Jeff Loa, Ecology  
Jeff Marusich, Ecology  
Dan McDonald, Ecology  
Steve Needles, Ecology  
George Peck, Ecology  
Eric Pierce, Ecology  
Beth Rochette, Ecology  
Jonathan Rogers, Ecology  
Michelle Mullin, EPA  
Matt Hendrickson, State of Oregon