

***Office of River Protection
Tri-Party Agreement/Consent Decree
Monthly Project Managers Meeting Minutes***

July 13, 2023


Meeting held virtually, via MS TEAMS

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OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT DECREE MONTHLY PROJECT MANAGERS MEETING

CONCURRENCE SIGNATURES

In accordance with the Tri-Party Agreement Section 4.1, Project Manager Role or Section 4.2, Interagency Management Integration Team, any agreements and commitments resulting from the meeting will be prepared and signed by all parties as soon as possible after the meeting. The undersigned indicate by their signatures that these meeting minutes reflect the actual discussion during this meeting. Signatures denote concurrence with the agreements and commitments resulting from this meeting and do not imply agreement with statements made during this meeting. Attachments to these meeting minutes are provided for informational purposes only.

 Paul A. Schroder

Digitally signed by Paul A. Schroder
Date: 2023.08.14 06:22:34 -07'00'

Date: _____

Paul Schroder, Project Manager
DOE-ORP

 JASON YOUNG

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Date: _____

Jason Young, Project Manager
DOE-ORP

 WAHED ABDUL

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Wahed Abdul, Project Manager
DOE-ORP



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Jeff Lyon, Project Manager
Washington State Department of Ecology

 McDonald, Dan
(ECY)

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Dan McDonald, Project Manager
Washington State Department of Ecology

 Ambika Chakravarty

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Ambika Chakravarty, Project Manager
Washington State Department of Ecology

 Debra J. Alexander

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Debra Alexander, Project Manager
Washington State Department of Ecology

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT
DECREE MONTHLY PROJECT MANAGERS' MEETING**

TERMS

BBI	Best-basis inventory
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
DOE	U. S. Department of Energy
DSA	Documented Safety Analysis
DST	double-shell tank
Ecology	Washington State Department of Ecology
EIS	Environmental Impact Statement
EMF	Effluent Management Facility
EPA	U.S. Environmental Protection Agency
ERSS	Extended Reach Sluicer System
ETF	Effluent Treatment Facility
EVMS	earned value management system
FY	fiscal year
HIHTLs,	Hose-in-Hose Transfer Lines
IAMIT	Inter-agency Management Integration Team
IMUST	Inactive Miscellaneous Underground Storage Tanks
IQRPE	Independent Qualified Registered Professional Engineer
LAW	Low-activity waste
LBL	LAW Facility, Balance of Facilities and Lab
LERF	Liquid Effluent Retention Facility
MUST	Miscellaneous Underground Storage Tank
ORP	U. S. Department of Energy, Office of River Protection
PA	Performance Assessment
PMM	project manager meeting
PT	Pretreatment
RAD	Radiation absorbed dose
RCRA	<i>Resource Conservation and Recovery Act</i>
SST	single-shell tank
TPA	Tri-Party Agreement
TSCR	tank-side cesium removal
TWRWP	tank waste retrieval work plan
UT	Ultrasonic Test
WIR	Waste Incidental to Reprocessing
WMA-A/X	Waste Management Area A/AX
WMA-C	Waste Management Area C
WRPS	Washington River Protection Solutions LLC
WTP	Waste Treatment and Immobilization Plant

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1.0 ADMINISTRATIVE ITEMS/MILESTONE STATUS/ACTIONS

Upcoming Meetings

The next U.S. Department of Energy-Office of River Protection (ORP) Monthly Tri-Party Agreement (TPA)/Consent Decree (CD) Project Managers Meeting is August 10, 2023. The next TPA/CD ORP Quarterly Milestone Review Meeting is September 14, 2023.

Recent Items Entered Into the Hanford Administrative Record

*The Office of River Protection Tri-Party Agreement and Consent Decree Monthly Reports for the period of May 1 – May 31, 2023, were entered into the Hanford Administrative Record (AR) on June 27, 2023. *For other documents added to the AR, see, “Items Entered into the Hanford Administrative Record” attached to these meeting minutes. The approved meeting minutes from the June 8, 2023 ORP TPA/CD Quarterly Milestone Review Meeting were added to the Hanford AR on June 29, 2023.*

Tri-Party Agreement Milestones Status

ORP stated all TPA milestones reported on were either Complete, On Schedule, In Abeyance, At Risk, To Be Missed or In Dispute Resolution (for details on specific milestones, see pages 1-3 of the May 2023 ORP TPA Monthly Report and throughout these minutes).

ORP noted that TPA Milestone M-062-52 (“Achieve Substantial Completion of Secondary Waste Construction Necessary for LAW Hot Commissioning”), due 06/30/23, was completed on 05/31/23.

Tri-Party Agreement Issues and Action Items and Key Documents

For reference, see attached, “*ORP/Ecology TPA and CD Agreements, Issues and Action Items – July 2023 Meeting.*”

Emergent Issues (Past 3 Months):

1. None

Actions:

Action No. 1 (TF-21-02-01): At the June 8, 2023 ORP TPA Quarterly Milestone Review Meeting (Quarterly), ORP reported it was ready to begin discussions with Ecology on the timing and content of the Tribal briefings. This closed the action. However, a new action was created for Ecology and ORP to discuss the proposed content of the briefings prior to setting a time for the briefings. *This action is closed.*

Action No. 2 (TF-21-07-04): At the June 8, 2023 ORP TPA Quarterly, ORP reported receiving draft permit conditions from Ecology in the RCRA Permit Rev. 9 workshops that pertain to the DST Leak Response Plan, but the action would remain open. At today’s meeting (July 13, 2023 ORP TPA Monthly Project Managers Meeting [PMM]), the parties agreed that it was best to wait until after the RCRA Rev.9 Permit Workshops to address the action. *This action remains open.*

Action No. 3 (TF-23-04-01): The TSCR briefing was held on 06/13/23. *This action is closed.*

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Action No. 4 (TF-23-05-01): At the May 11, 2023 TPA Project Managers Meeting (PMM), Ecology requested a briefing on the Sampling and Analysis Plans for grab samples and other samples conducted on Double Shell Tanks, with particular emphasis on tanks 241-SY-101 and 241-AN-104. At today's PMM, ORP reported it was still preparing the briefing for Ecology. *This action remains open.*

Action No. 5 (TF-23-05-02): At the May 11, 2023 TPA PMM, Ecology requested a brief overview at the June 8, 2023 TPA Quarterly, and subsequent PMMs, on ORP's plan to address and new requirements stemming from the May 10, 2023 settlement of Heart of America Northwest's appeal of the Agreed Order between DOE-ORP and Ecology. After discussion, the Parties agreed to close this action but create a new action. The new action calls for the Parties to discuss how and when to include Heart of America in discussions and briefings; responding to stakeholder comments; and the timing of System Plan 10 and how that timing affects satisfying the terms of the settlement. Ecology requested the discussion take place before the next ORP PMM (July 13, 2023). *This action is closed.*

Action No. 6 (TF-23-06-01): Ecology and ORP are working on scheduling a meeting to discuss timing and content of a proposed briefing to the Tribes on the regulatory scope and timing of Waste Management Area C closure. *This action remains open.*

Action No. 7 (TF-23-06-02): ORP reported it believed DOE and Ecology Legal representatives had met to discuss satisfying the criteria of the Heart of America Agreed Order Settlement. The Ecology TPA Project Manager requesting the action was not present and could not confirm if the meeting had taken place, and provided the meeting did occur, a subsequent meeting was needed. *This action remains open.*

Key Documents List:

The Key Documents List (*Items Recently Submitted to the Hanford Administrative Record and Status of Current TPA Change Notices*) 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, regarding Single-Shell Tanks (SSTs) 241-B-109 and 241-T-111 was signed. Three updates were provided:

- AO # A-022-01 ("Submit SST System Leak Response Plan"), due 08/25/23 – ORP reported the draft SST Leak Response Plan was submitted to Ecology on 06/07/23 and ORP has started receiving some comments from Ecology. The submittal of the final plan is still on schedule to meet the 08/25/23 due date.
- AO #A-022-02 ("Submit results of intrusion investigation and, if applicable, Intrusion Response Work Plan"), due 8/25/2023 – Ecology reported it had received the Intrusion Investigation. ORP is still drafting the Intrusion Response Work Plan.
- AO #A-022-11 ("Complete System Plan 10 milestone negotiations"), due 8/32/24 – ORP reported all System Plan modeling was complete and briefings were conducted with

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Ecology. ORP is now writing the System Plan 10 and hopes to provide Ecology a draft by late summer or early fall 2023.

3.0 222-S LABORATORY

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

Project Status

Laboratory Production

- FY 2023 (October 1, 2022 to June 25, 2023):
HLMI delivered 104 of 106 (99%) high-level project reports on-time or early, and 118 of 125 (94%) low-activity project reports on-time or early. ORP added that the majority of the high-level project reports are done by 222-S Laboratory staff, while most of the low-activity reports are done by off-site commercial laboratories but managed by 222-S Laboratory staff.

LIMS Upgrade

- HLMI procured a LabVantage LIMS (LIMS – “laboratory information management system”, which is software utilized by the 222-S Laboratory) at the end of FY 2021 to replace OMNILims and completed core product installation onto Hanford Site servers in July 2022.
- LabVantage and HLMI are creating four custom modules to complete the system needed to replace the former LIMS. ORP reported that the cybersecurity fixes needed for LIMS are being implemented.
- As of June 2023, the first three custom builds have been installed and the fourth is in development. The fourth module is targeted for early July 2023 and is currently in validation testing.
- Plan to Go Live in FY 2024, Quarter 1.

Significant Planned Activities

- Stage and complete a waste transfer from 219-S Tank 102 to Tank 241-SY-101. ORP provided an update to note that the transfer was staged, the analysis is complete, and the transfer is expected to take place in September 2023.
- Receive and analyze supernate grab samples from 241-AY-101 and AP-106 for Tank-Side Cesium Removal effectiveness evaluation, and core samples from 241-SY-103 for chemistry control. ORP provided an update to note that the analysis was complete.
- Receive and analyze samples from 202-S REDOX L-16 to H-4 Transfer Line. ORP highlighted this effort, noting that these would be the first samples taken from the facility in decades.
- Replace windows on 11A2 and 11A3 hot cells. ORP reported that the replacements began in early July 2023 and the first window to be replaced has been pulled.

Equipment Upgrades

- Six instrument replacements are identified for procurement and installation in FY 2023 (two of which are already completed).

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- Completed installation of two new analytical instruments in May – June 2023:
 - Gas Chromatograph – Electron Capture Detector (GC-ECD)
 - Provides a functional back-up for PCB analysis
- Total Organic Carbon Furnace
 - Replaced aged back-up for Total Organic Carbon analysis
- Due to supply chain delays, there was one remaining instrument installation from FY 2022.
- A Scanning Electron Microscope was successfully installed in the month of June 2023.
- ORP reported that the LC-MS (Liquid Chromatograph-Mass Spectrometer) upgrade, scheduled for Quarter 4 FY 2023 had been completed.
- ORP reported that installation of the ICP-MS (Inductively Coupled Plasma-Mass Spectrometer) is planned for FY 2024 to allow for renovations to be completed in the facility where it will be housed.

Analytical Performance

- ORP reported that though the proficiency testing performance by the laboratory over May and June 2023 dropped slightly from March and April, but the performance was still “good”.
- ORP reported that Holding Time dropped to 92.9% in May 2023, June showed improvement to 95.7%, with the fiscal year to date rate at 97.1%. ORP added that nearly all missed holding times were the result of a one-batch miscalculation by a chemical technician.
- (See attached presentation for the full listing.)

TSD Status

- There was an increase in off-site waste shipments from the last reporting period reflecting an increase in laboratory activities.
- The drum storage at the Dangerous Mixed Waste Storage Area (DMWSA) quadrupled from the last reporting period.
- ORP provided an update on the 219-S Tanks 101 and 104 (which are the two receipt tanks for 219-S from the 222-S Laboratory), which experienced a failure of the transfer pump near the end of the transfer from Tank 104. Repairs on the pump are planned during the early October 2023 facility maintenance outage (Oct. 5-13), which will come after the transfer from Tank 102 to the SY Tank Farm.
- Ecology asked when the transfer from Tank 102 transfer is planned. ORP responded the transfer is scheduled for early to mid-September 2023.
- (See attached presentation for the full listing.)

Issues/Other Items

- The State of Oregon asked about Clean Harbors, a designated off-site recipient of 222-S hazardous waste, and if Clean Harbors was a “pass-through” facility (i.e. a facility which passes the waste on to other companies). ORP committed to getting those answers by the next bi-monthly 222-S Laboratory briefing at the September 2023 TPA Quarterly Milestone Review Meeting.

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4.0 SYSTEM PLAN

Significant Past Accomplishments

- As of May 31, 2023, modeling and analysis, in conjunction with Ecology, were completed for all System Plan 10 selected scenarios.

Significant Planned Actions in the Next Six Months.

- Conduct a review of the draft System Plan document, incorporate comments, and finalize the document.

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 SUPPLEMENTAL TREATMENT AND RCRA PART B PERMIT APPLICATIONS

Significant Past Accomplishments

- TPA Milestone M-062-52 (“Achieve Substantial Completion of Secondary Waste Construction Necessary for LAW Hot Commissioning”), due 06/30/23 was completed on 05/31/23.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- ORP reported that Milestone M-062-21 (“Annually Submit Data Which Demonstrates Operation of WTP at a Rate Sufficient to Meet M-062-00”, due 08/31/23) is still identified as “At Risk,” although the due date was extended for 6 months via CCF M-62-22-01. The extension does allow DOE and Ecology to continue discussions in the “Holistic Negotiations” that might affect this milestone. Operational data for the WTP, as described for the milestone, will not be available to support accurate mission forecasting.

7.0 LOW ACTIVITY WASTE PRETREATMENT SYSTEM

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Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- ORP reported it was in discussions with Ecology about a potential change to the due date for TPA Milestone M-062-56 (“Submit Permit Application for Design and Construction of the LAWP Capability”), due December 31, 2023.

8.0 TANK SIDE CESIUM REMOVAL SYSTEM (TSCR)

Significant Past Accomplishments

- Initiated processing of the third batch of the first TSCR processing campaign.

Significant Planned Actions in the Next Six Months

- Complete the first TSCR processing campaign.

Issues/Other Items

- ORP provided an update on the processing of the third TSCR batch and some issues encountered during the run. Prior to declaring completion of batch three, there was an indication of leak residue (crystalline like material) below a threaded fitting attached to an ion-exchange column. The threaded joint had been successfully pressure tested prior to operations. TSCR remains on track to stage 800,000 gallons of processed waste ready for the Waste Treatment Plant by the end of the calendar year.

9.0 TEST BED INITIATIVE DEMONSTRATION

Significant Past Accomplishments

- Continued informal review sessions with Ecology on the draft Research, Development, and Demonstration permit application package. ORP provided an update to note that the permit had been submitted to Ecology in June 2023.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

10.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments

- Received new PB-2 replacement pump.

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Significant Planned Actions in the Next Six Months

- Initiate cold run activities (planned for the end of the calendar year).

Issues/Other Items

- Nothing reported.

11.0 LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT TREATMENT FACILITY

Significant Past Accomplishments

Operations

- Nothing reported.

Projects

- Nothing reported.

Significant Planned Actions in the Next Six Months

Operations

- Prepare facilities for FY 2024 processing campaign. All major construction work is complete and operational acceptance testing is on-going.

Projects

- Nothing reported.

LERF Volumes

- See pg. 21 of the May 2023 TPA Monthly Report for a full listing.

Issues/Other Items

- Nothing reported.

12.0 TANK SYSTEM UPDATE

12.1 Double-Shell Tank Integrity

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions

- Nothing reported.

Ultrasonic Testing Report Status

- Nothing reported.

Issues/Other Items

- ORP reported TPA Milestone M-045-91E5 (“Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology”), due September 30, 2023 is on schedule.

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12.2 Single-Shell Tank Integrity

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

RPP-9937 Rev. 5 Updates

Baseline Change Authorizations implemented:

- One surface level Miscellaneous Underground Storage Tank Baseline Change Authorization was implemented due to pumping operations (Tank 241-EW-151).

Specification limit exceedance:

- None.

Intrusion

- None.

Monitoring Change

- None.

Primary Monitoring Device Repair

- None.

Non-Valid required readings due to a Suspect Verifying and Validating designation:

- None.

Issues/Other Items

- Nothing reported.

13.0 IN-TANK CHARACTERIZATION AND SUMMARY

13.1 Reports Completed or Released

- Nothing reported.

13.2 Tank Sampling

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing Reported.

Issues/Other Items

- Nothing reported.

13.3 Best-Basis Inventory Updates

Significant Past Accomplishments

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- Nothing reported.

Significant Planned Actions in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

14.0 SINGLE-SHELL TANK CLOSURE PROGRAM

Significant Past Accomplishments

- Nothing reported.

Significant Planned Activities in the Next Six Months

- Meet with Ecology to fulfill Milestone M-045-56S. ORP provided an update to note that the meeting took place on June 28, 2023.
- Complete construction of the U Tank Farm interim surface barrier to fulfill Milestone M-045-92AB. To date, the subgrade is complete and protective structures around tank farm risers are in. ORP is on schedule to meet the milestone date of October 31, 2023.
- Respond to Ecology's comments on RPP-PLAN-64857, Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area A-AX, Rev. 0. ORP asked for and was granted an extension to July 31, 2023 to respond to comments. To date, there is one comment left to resolve.

Issues/Other Items

- Nothing reported.

15.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Significant Past Accomplishments

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pg. 11).

Significant Planned Activities in the Next Six Months

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pg. 11).

Issues/Other Items

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pg.11).

16.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE

Base Operations:

The April 2023 variances below do not impact TPA milestones. *Note: the cost and schedule variances are one month behind the reporting than the rest of the May 2023 TPA Monthly Report.

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- The month showed a favorable schedule variance of \$214,200.
- The month showed an unfavorable cost variance of \$3,503,000.

Waste Feed Delivery/Treatment:

The April 2023 variances below do not impact TPA milestones. *Note: the cost and schedule variances are one month behind the reporting than the rest of the May 2023 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$894,200
- The month showed an unfavorable cost variance of \$924,200.

Treat Waste:

The April 2023 variances below do not impact TPA milestones. *Note: the cost and schedule variances are one month behind the reporting than the rest of the May 2023 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$225,286.
- The month showed a favorable cost variance of \$371,244.

Issues/Other Items

- Nothing reported.

1.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS

Consent Decree Milestones

ORP reported milestones as Completed, On Schedule, At Risk, or Under Analysis (see pages 1-2 of the ORP May 2023 Consent Decree Monthly Report as well as individual sections of these meeting minutes).

ORP highlighted Consent Decree Milestone D-16B-02 (“Complete Retrieval of Tank Wastes from A-101, -102, -104, -105, -106; AX-101, -102, -103, -104”), due date 05/01/28, noting that retrieval of tanks AX-102, -103, and -104 were completed.

Consent Decree Issues and Action Items

For reference, see attached “*ORP/Ecology TPA and CD Agreements, Issues and Action Items July 2023 Meeting.*”

Emergent Issues:

There are no current emergent issues.

Action Items:

Action No. 1 (WTP-22-12-01): ORP and Ecology are still working on hold a briefing for Ecology on the status of, and progress to date on, the LAW Melter Off-Gas System. The parties have agreed to wait until melter startup activities are complete to schedule the briefing. *This action remains open.*

2.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

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Project Schedule and Cost Variance Performance (Current as of April 2023)

- ORP reported an unfavorable schedule variance of \$1.45 million (due to budget realizations).
- ORP reported a favorable cost variance of \$1.56 million.

Significant Accomplishments during the Prior Month

Completed Accomplishments

- Nothing reported.

On-Going Activities

- Continued Tank 241-AX-101 retrieval operations. ORP reported, as of today's meeting, total volume retrieved from the tank is about 51%.

Significant Planned Activities in the Next Month

- Complete new riser installation mockup and equipment testing to support future Tank A-106 new riser installation. To date, initial testing has been successful, and the second mock-up tank dome will be cored the week of July 10, 2023, with mock-up riser installation scheduled the following week.
- Complete new riser installation mockup and equipment testing to support future Tank A-106 new riser installation.

Issues/Other Items

- Nothing reported.

3.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

Significant Accomplishments during the Prior Month

- Nothing reported.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

4.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

Project Schedule and Cost Variance Performance

During the April 2023 reporting period, a net unfavorable schedule variance of approximately \$9.2 million a, primarily due to the following:

- Emergent work related to melter joule heater power supply system testing and repairs
- Emergent work related to LAW Facility offgas system issues
- Prioritization of emergent corrective maintenance field work and deferral of non-critical preventative maintenance

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- Ventilation balancing and fume hood flowrate verification challenges in the Analytical Laboratory.

During the April 2023 reporting period, a net unfavorable cost variance of approximately \$8.3 million, primarily due to the following:

- Unplanned vendor and equipment expenses to address melter power supply issues
- Emergent work related to LAW Facility offgas system issues
- Increased corrective maintenance required to address emergent mechanical handling system issues
- Increased demand for work package planning, corrective maintenance, and craft personnel support to address current system issues
- Ongoing programmable protection system baseline software and glass former reagent subcontract support
- Ongoing testing and software challenges encountered during auto-sampling system testing
- Increased scaffolding and other support for chiller compressor plant and steam plant activities.

Issues/Other Items

- ORP summarized the cost and schedule variances as focusing on “larger milestones” and those milestones being delayed by various startup issues, which in turn, adds time and cost to the baseline.

5.0 PRETREATMENT FACILITY

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.

6.0 HIGH-LEVEL WASTE FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

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- On April 13, 2023, the DOE Deputy Secretary authorized DOE to initiate contract action(s) for planning and design activities required to implement a direct-feed HLW Program. ORP is continuing its planning for Direct-Feed High-Level Waste.

Ongoing Activities:

- Actions are underway to implement key activities, including updating the project's functional and design requirements, implementing DFLAW Lessons Learned, developing key design and project management processes, planning for updates of codes and standards, and establishment of the project control strategy for re-baseline of the HLW Facility
- Continued to advance HLW Facility design and hazard analyses for key mechanical and process systems
- Continued to develop equipment specifications to issue Request for Proposals for plant equipment procurement to support 90 percent system design completion
- Continued planning and development of procedures and work packages to support construction activities.

Significant Planned Activities in the Next Month

- Issue the Request for Proposal to Bechtel National, Inc. (BNI) for the HLW Facility design completion period. ORP noted that one of the changes in design will be incorporating major upgrade of codes from the original design, which was done in the early 2000s. Also incorporated into the new design is key DOE Nuclear Safety Standard 1189 DOE-STD-1189, *Integration of Safety into the Design Process*.

Issues/Other Items

- Nothing reported.

7.0 LOW-ACTIVITY WASTE FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Completed testing of the joule heater power supply system for LAW Melter 1 (post-design changes and improvements)
- Completed testing of the melter offgas system, after design changes and improvements were made to the caustic scrubbers – the source of an earlier leak – as well as changes to the flow rate. No leakage has been detected to date.

On-Going Activities

- Continued commissioning activities for the LAW Facility auto-sampling system, with a focus on the robotic arm and recirculation loops to test the ability to pull the right volume of samples.

Significant Planned Activities in the Next Month

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- Nothing reported.

Issues/Other Items

- ORP provided an update on the Melter 1 restart, which was initiated on June 24, 2023. Heatup of the melter is progressing at a staged and steady pace to allow adjustments and to track the performance of instruments, power supplies, heaters and other equipment. As of today's meeting, the melter temperature was 1,600 degrees, with final temperature being 2,100 degrees.
- The State of Oregon asked about the timing of commissioning of Melter 2. ORP replied that Melter 2 startup is not a focus at the moment, as the project is concentrating on successful restart of Melter 1. Oregon also asked if there were any supply chain issues impacting restart. ORP replied that key critical components have been procured for some time now as the project has been aware that parts for some of the original equipment isn't available anymore.

8.0 BALANCE OF FACILITIES

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Nothing reported.

On-going Activities:

- Continued design modification efforts to resolve on-going issues with Glass Former Facility performance. ORP noted that the Glass Former Facility continues to show poor results, not showing the accuracy needed for the glass recipe. To compensate, ORP is undergoing a redesign to allow truck-transport of premixed glass former from BOF to LAW. Also part of the redesign is to forgo the use of the mixers at LAW and employ a chute, which would deliver feed to the Feed Prep Vessel. ORP has also improved the transport system for the dry silica, now employing more air-pressure and more efficient filtering.
- Continued system operations to support LAW Melter heatup and tuning.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- ORP reported, that outside of the Glass Former Facility issues, the remainder of BOF is meeting expectations and showing good performance.

9.0 ANALYTICAL LABORATORY

Project Schedule and Cost Variance Performance

- Nothing reported.

OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT DECREE MONTHLY PROJECT MANAGERS MEETING

Significant Accomplishments during the Prior Month

- Completed design modifications to the LAB ventilation systems to support laboratory instrumentation requirements. Modifications included a dedicated ventilation directly to the instrument in addition to the ventilation of the fume hood.
- Initiated testing of fume hood flowrates and ventilation system balancing. ORP noted that the fume hood flowrates are within specification. ORP also reduced the number of fume hoods, based on changing DFLAW needs.

Ongoing Activities:

- Continue instrumentation testing.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- The State of Oregon asked if there was a limit on the lag times for samples being analyzed. ORP responded that because the samples are not organics, there are no issues with lag time. ORP stated that challenges are turnaround time on sample results and the effect on making timely adjustments in the system.



THE HANFORD SITE

Office of River Protection Consent Degree Monthly Report Tri-Party Agreement Monthly Report

Monthly Reporting Period

May 1 – 31, 2023

July 13, 2023

Agenda

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



THE HANFORD SITE

222-S Laboratory TPA Project Manager Meeting

Reporting Period

May 1 – June 30, 2023

July 13, 2023

- Project Status

- Laboratory Production

- FY 2023 (October 1, 2022 to June 25, 2023):
HLMI delivered 104 of 106 (99%) high-level project reports on-time or early, and 118 of 125 (94%) low-activity project reports on-time or early

- Project Status

- Laboratory Information Management System (LIMS) Replacement

- HLMI procured a LabVantage LIMS at the end of FY 2021 to replace OmniLIMS and completed core product installation onto Hanford Site servers in July 2022
 - LabVantage and HLMI are creating four custom modules to configure the LIMS for 222-S Laboratory operations
 - As of June 2023, the first three custom modules have been installed and the fourth is in development
 - Plan to Go Live in FY 2024 Q1

- Significant Accomplishments
 - 222-S Laboratory delivered the following tank farm final reports during May and June:
 - AZ-301 Catch Tank (less than 30-days from sampling to report issue)
 - 219-S TK 102 Post-Treatment (less than 45-days from sampling to report issue)
 - A/AX Tank Farm vadose soil project (CORES D0336, D0350, D0358, D0369, and D0364)
 - AN-101 Core (2021) for Complexing Agents

- Significant Planned Activities
 - Stage and complete a waste transfer from 219-S Tank 102 to Tank 241-SY-101
 - Receive and analyze supernate grab samples from 241-AY-101 and AP-106 for Tank-Side Cesium Removal effectiveness evaluation, and core samples from 241-SY-103 for chemistry control
 - Receive and analyze samples from 202-S REDOX L-16 to H-4 Transfer Line
 - Replace windows on 11A2 and 11A3 hot cells

- Equipment Upgrades

- Six instrument replacements identified for procurement and installation in FY 2023
- Completed installation of two new analytical instruments in May - June
 - Gas Chromatograph – Electron Capture Detector (GC-ECD)
 - Provides a functional back-up for PCB analysis
 - Total Organic Carbon Furnace
 - Replaced aged back-up for Total Organic Carbon analysis
- Due to supply chain delays, there was one remaining instrument installation from FY 2022
 - A Scanning Electron Microscope was successfully installed in the month of June

- FY 2023 Equipment Upgrades

Instrument	Installation Status
GC-ECD (Gas Chromatograph-Electron Capture Detector)	Complete
HPLC (High Pressure Liquid Chromatograph)	Complete
Rheometers (2)	Planned for FY 2023 Q4
ICP-MS (Inductively Coupled Plasma-Mass Spectrometer)	Planned for FY2024
Total Organic Carbon furnace	Complete
LC-MS (Liquid Chromatograph-Mass Spectrometer)	Planned for FY 2023 Q4

- Quality Assurance Evaluations/Proficiency Tests

Report Date	Study	Reported	Correct	FY 2023 Study (%)
May Reporting Period		64	59	92.2%
June Reporting Period		88	86	97.7%
Total (FY 2023)		745	719	96.5%

- Accreditations

- AIHA Accreditation effective through April 1, 2024
- WDOE accreditation effective through November 21, 2023

- Holding Time Performance

Holding Times					
	FY 2021 Final	FY 2022 Final	May 2023	Jun 2023	FY 2023 YTD
	4/15/21 - 9/30/21	10/01/22 - 9/30/22	4/24/23 - 5/21/23	5/22/23 - 6/25/23	10/01/22 - 6/25/23
% met	90.5%	98.3%	92.9%	95.7%	97.1%
% missed	9.5%	1.7%	7.1%	4.3%	2.9%

Waste Shipped

Waste Type	Containers Shipped 05/1/23 to 06/30/23	Receiving Facility
Mixed & Low-Level Waste	12	Perma-Fix Northwest
Nonregulated	0 RO/RO	ERDF
Mixed & Low Level Mixed	24 –LLW, 2- LLW RO/RO	ERDF
Hazardous	16	Clean Harbors
Universal	10	CCRC

Waste Storage Inventory

Container Unit	Inventory (units)	219-S Tanks	Inventory (gal)	Max Volume (gal)
Room 4E	4 (55 gallon) 1 (30 gal) 1 (5 gal) 2 (1 gal) 5 (1 liter) 2 (1.3 gal) 2 (250 ml)	TK-101	1506	3600
Room 2B	8 (55 gal) 1 (5 gal) 1 (2 liter) 4 (1 liter) 1 (1.3 gal) 2 (250 ml)	TK-102	3468	3600
DMWSA	79 (drums)	TK-104	723	1710
T8 Alcove	(fixed)			

Questions?

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

Agreements:

1. Per an Ecology standing request (4/21/2016), ORP agrees to include any written directives given by DOE to the contractors for work required by the CD in future quarterly CD Reports (see CD Section IV-C-1-e).
2. The ORP and Ecology PMs 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 ORP have agreed to move the TPA/CD PMM meeting to the second Thursday of the month starting in December 2019. The TPA and CD monthly reports distribution will occur by the end of each month via link to the Admin Record. Ecology requested at the December 2019 meeting that this form be included with the email that includes the links to the monthly reports. This will be the format for report distribution and monthly meetings going forward.

Emergent Issues (Past 3 months):

1. [None](#).

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-21-02-01 11 Feb 2021	Ecology requested a ‘dry run’ meeting for Informational meeting with Tribes regarding the upcoming SST/WMA-C closure RCRA permitting Actions. ORP to provide a target date for a proposed public informational workshop briefing on permitting activities associated with WMA-C closure, which will take place	DOE is in agreement and will plan to conduct a briefing covering the general overall closure process and Appendix I PA for WMA-C. The audience for the briefing will be, Tribes, Oregon, HAB, Public. Timing will be approximately 1 month before the public comment period begins for the permitting action.	ORP	Closed 06/08/23

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		<p>prior to formal public comment. ORP will also identify a date for a proposed dry-run of this meeting. Note: ORP will have a better estimate on that date after discussions with it's the DOE / Ecology Permitting group</p>	<p>It will be clarified for all participants that any comments should be submitted as part of the permitting action.</p> <p>DOE will present on the following:</p> <ul style="list-style-type: none"> Overview of TPA closure process Results of Appendix I PA Summary of 435.1 PA Summary of RCRA CA Summary of Past Leaks Summary of Baseline Risk Assessment <p>Ecology will present on the following:</p> <ul style="list-style-type: none"> Closure Plans <p>5/13/21: ORP to forward e-mails to Ecology for review about dry run concerns.</p> <p>7/8/21: ORP stated it was waiting for a proposed date for the public meeting before scheduling the dry run.</p> <p>8/12/21: ORP noted it was still working to address Ecology comments on the Baseline Risk</p>		

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>Assessment, and until those comments are addressed, it cannot commit to a meeting date.</p> <p>9/9/21: ORP stated it had received comments from Ecology on its initial responses to Ecology’s comments on the Baseline Risk Assessment, which it is responding to. The document is not final.</p> <p>10/14/21: ORP reported receiving Ecology letter 21-NWP-174, dated October 6th, 2021, which submitted Ecology’s comments on RPP-RPT-58329 (Risk Assessment for Contaminated Soils, Vadose Zone, Sediments for Waste Management Area C). ORP suggested it would be better to resolve the comments on Rev. 3A of the Baseline Risk Assessment prior to engaging Tribes and stakeholders.</p> <p>01/13/22: No update in status.</p> <p>02/10/22: ORP and Ecology agree a dry-run and briefing to the public are still in order, however, the Parties agreed that those should take place after the WMA-C Baseline Risk Assessment and RCRA Permit Modification drafts are issued.</p>		

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>03/10/22: ORP (P. Schroder) agreed to identify a tentative date for holding a dry-run of the briefing for the Tribes.</p> <p>04/14/22: ORP is still working to identify a tentative date for holding the dry-run.</p> <p>05/12/22: ORP reported that discussions continue between the parties on resolving Ecology’s comments.</p> <p>06/09/22: There was no change in status, however, ORP anticipated the dry-run would be held about a month prior to the briefing to the Tribes (which has yet to be scheduled).</p> <p>July 2022 – January 2023 PM meetings: There was no change in status.</p> <p>02/09/23: ORP reported it is near completion on the draft closure plan, and after some discussions between DOE and Ecology Legal representatives, ORP has drafted a cover letter for transmittal.</p> <p>03/09/23: ORP reported discussions between Ecology Legal and DOE Legal on the cover letter content are complete and the draft letter is working through the review and approval process.</p>		

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>04/13 - 05/11/23: ORP reported there was no change in status.</p> <p>06/08/23: ORP reported it was ready to begin discussions with Ecology on the timing and content of the Tribal briefings. This closed the action. However, a new action was created for Ecology and ORP to discuss the proposed content of the briefings prior to setting a time for the briefings (see Action #6). <i>This action was closed.</i></p>		
2	TF-21-07-04 20 July 2021	Tracking of Ecology's Comments on the DOE-ORP DST Leak Response Plan (RPP-PLAN-64245, REV. 0) Reference: 21-NWP-109 (07/19/21)	<p>Parties have agreed to meet. ORP to provide meeting times to ECY.</p> <p>11/18/21: Ecology has not received a response on proposed meeting times.</p> <p>12/9/21: Ecology noted a meeting was scheduled for 12/20/21, after which, the action could be closed.</p> <p>01/13/22: The parties have met, but an additional meeting is needed prior to closing this action.</p> <p>02/10/22: Meeting is scheduled for 02/14/22.</p> <p>03/10/22: No change in status. Ecology requested a follow-up meeting.</p>	ORP	Open

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>04/14/22: Ecology and ORP have met to discuss, and a Review Comment Record (RCR) has been established and is being worked on by ORP.</p> <p>05/12/22: ORP reported that discussions continue between the parties on resolving Ecology’s comments.</p> <p>June/July 2022 Meetings: There was no change in status.</p> <p>08/11/22: Ecology has offered ORP a number of dates/options in August for scheduling the next round of discussions.</p> <p>09/08/22: Ecology reported not receiving a response from ORP on proposed August meeting dates and would send September dates to ORP.</p> <p>10/13/22: ORP reported a meeting was held in August with Ecology where it was agreed that comments on the DST Leak Response Plan were being addressed in the RCRA Permit Rev. 9 discussions, and as such, ORP proposed closing this action. Ecology’s Project Manager was not present, so no decision was made on closing the action.</p>		

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>11/10/22: Ecology’s Project Manager was not present, so no decision was made on closing the action.</p> <p>12/08/22: ORP will discuss closing this action with Ecology’s Project Manager.</p> <p>01/12/23: Ecology’s Project Manager was not present to make a decision, so the action will be carried until the next PMM.</p> <p>02/09/23 – 03/09/23: Ecology is continuing discussions on a proposed path forward.</p> <p>04/13/23 – 05/11/23: No change in status.</p> <p>06/08/23: ORP reported receiving draft permit conditions from Ecology that pertain to the DST Leak Response Plan in the RCRA Permit Rev. 9 workshops, but the action will remain open.</p>		
3	TF-23-04-01 13 Apr. 2023	Ecology requested a briefing/update on the progress of TSCR, with an emphasis on the response to the leaking ion-exchange column encountered during the first TSCR run.	<p>Ecology said the requested briefing did not have to be more than 2-3 slides and said the briefing could be done over Microsoft TEAMS.</p> <p>05/11/23 – ORP is finalizing the briefing</p> <p>06/08/23: Briefing is scheduled for 06/13/23. <i>This action is closed.</i></p>	ORP	Closed 06/13/23

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
4	TF-23-05-01 11 May 2023	Ecology requested a briefing on the Sampling and Analysis Plans for grab samples and other samples conducted on Double Shell Tanks, with particular emphasis on tanks 241-SY-101 and 241-AN-104.	06/08/23: ORP reported it was still preparing the briefing for Ecology.	ORP	Open
5	TF-23-05-02 11 May 2023	Ecology requested a brief overview at the 06/08/23 PMM (Quarterly), and subsequent PMMs, on ORP’s plan to address and progress on new requirements stemming from the May 10, 2023 settlement of Heart of America Northwest’s appeal of the Agreed Order between DOE-ORP and Ecology: <i>1. System Plan 10 Evaluation Include Practicability of Deploying Technologies for Selective Removal of Liquid Fraction</i>	At the 06/08/23 ORP TPA Quarterly Milestone Review, the Parties agreed to close this action, but create a new action (see Action #7). <i>This action was closed.</i>	ORP	Closed 06/08/23

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		<p style="text-align: center;"><i>2. Hold Third-Party Technical Review One-Day Workshop with PNNL</i></p>			
6	TF-23-06-01	Ecology and ORP to discuss timing and content of a proposed briefing to the Tribes on the regulatory scope and timing of Waste Management Area C closure.		Parties	Open
7	TF-23-06-02	Ecology and ORP to discuss implementation of May 10, 2023 settlement of Heart of America Northwest’s appeal of the Agreed Order between DOE-ORP and Ecology.	At the 06/08/23 TPA Quarterly Milestone Review Meeting, a question was asked by Ecology regarding how the Parties will implement the terms of the recent Heart of America settlement. In response, Ecology will schedule a meeting between its Legal representatives from the Washington State Attorney General’s Office, DOE Legal and relevant individuals to discuss the terms of the settlement and how they will be met. The meeting will occur prior to the 07/13/23 ORP TPA PMM.	Ecology	Open

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – July 2023 Meeting

WTP ACTIONS

1	WTP-22-12-01 12 Dec. 2022	ORP will hold a briefing for Ecology on the status of and progress to date on the LAW Melter Off-Gas System	<p>ORP will hold a briefing for Ecology on the status of and progress to date on the LAW Melter Off-Gas System.</p> <p>06/08/23: ORP said it preferred waiting at least two weeks before providing the briefing to allow the project to focus on melter restart. Ecology accepted this and said the briefing could occur when the timing allows.</p>	ORP (J. Young)	Open
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Documents Submitted to the Administrative Record (AR)

Primary, Secondary, or Other	Requesting Agency	Request Date	Document Number	Revision	Title	Comment	PN
Other	ECY/DOE	June 2023	HNF-EP-0182	423	Waste Tank Summary Report for Month Ending March 31, 2023	Supporting documentation	
Other	ECY	June 2023	NA	0	WMA AAX Remaining Regions Sample Interval Selection Meeting - D0354	Supporting documentation/meeting minutes	
Other	ECY	June 2023	NA	0	WMA AAX Remaining Regions Status Meeting - March 30, 2023	Supporting documentation/meeting minutes	
Other	ECY	June 2023	HNF-EP-0182	424	Waste Tank Summary Report for Month Ending April 30, 2023	Supporting documentation	

TPA Change Notices

Milestone	CN No.	Document Number	Revision	Document Title	Description of Change	Comment	CN Document Date	DOE CN Signature Date	ECY CN Signature Date
NA - None this month									

DOE-ORP Agreed Order (AO) Requirements

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

Number	Due Date	Status	Requirement	Reference	DOE Assistant Manager	Remarks
A-022-01	8/25/2023	On Schedule	Submit SST System Leak Response Plan	AO V.A.1.i	Noyes, Delmar L	ECY was provided the draft SST LRP on June 7. DOE and WRPS are awaiting for comments or questions from ECY on the SST LRP.
A-022-02	8/25/2023	On Schedule	Submit results of intrusion investigation and, if applicable, Intrusion Response Work Plan	AO V.B.1.ii	Noyes, Delmar L	WRPS is drafting the intrusion work plan.
A-022-03	TBD (Pursuant to approved Intrusion Response Work Plan schedule)		If applicable, implement Intrusion Response Work Plan and submit final report on effectiveness of intrusion response actions	AO V.B.2	Noyes, Delmar L	
A-022-04	8/25/2023	On Schedule	Submit active ventilation practicability evaluation and determination	AO V.C.1.iv	Noyes, Delmar L	Practicability evaluation is in development.
A-022-05	TBD (Within 90 days of Ecology's approval of the active ventilation practicability evaluation and determination)		If applicable, submit Active Ventilation Work Plan	AO V.C.1.v	Noyes, Delmar L	
A-022-06	TBD (Pursuant to approved Active Ventilation Work Plan schedule)		If applicable, install and begin operation of active ventilation system on B-109	AO V.C.2.iii	Noyes, Delmar L	
A-022-07	8/31/2025		Submit interim barrier design for T-Farm	AO V.D.1.i	Noyes, Delmar L	
A-022-08	8/31/2026		Submit interim barrier design for B-Farm	AO V.D.1.ii	Noyes, Delmar L	
A-022-09	09/30/2028*		Complete construction of interim barrier at T-Farm *The barrier design should be approved by Ecology, by November 30, 2025. Ecology will authorize construction upon approval of the final design. A day-for-day slip in completing construction of the barrier will be given for each day construction is not authorized following 3 months after submittal.	AO V.D.2.i	Noyes, Delmar L	
A-022-10	09/30/2028*		Complete construction of interim barrier at B-Farm *The barrier design should be approved by Ecology, by November 30, 2026. Ecology will authorize construction upon approval of the final design. A day-for-day schedule extension for completing construction of the barrier will be given for each day construction is not authorized following 3 months after submittal.	AO V.D.2.ii	Noyes, Delmar L	
A-022-11	08/31/2024*		Complete System Plan 10 milestone negotiations *A day-for-day slip in completing these milestone negotiations will be given for each day that the deadline for submission of System Plan 10 under HFFCO Milestone M-062-40 is extended by mutual agreement of the Parties.	AO V.E.2.i	Noyes, Delmar L	All model runs are complete, and ECY briefs were provided. Preliminary draft sections of System Plan 10 (SP10) report provided to ECY for review on 5/18/23. Report writing continues to progress.
A-022-12	8/25/2024		Submit Leak Detection and Monitoring Technology Evaluation	AO V.F.1.ii	Noyes, Delmar L	
A-022-13	TBD (Within 90 days of Ecology's approval of the Leak Detection and Monitoring Technology Evaluation)		If applicable, submit Leak Detection and Monitoring Technology Work Plan	AO V.F.2.ii	Noyes, Delmar L	
A-022-14	TBD (Pursuant to approved Leak Detection and Monitoring Technology Work Plan schedule)		If applicable, implement Leak Detection and Monitoring Technology Work Plan	AO V.F.2.iii	Noyes, Delmar L	

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).

**Office of River Protection
TPA/CD Monthly Project Managers Meeting
July 13, 2023**

ATTENDEES

Wahed Abdul, DOE-ORP
Jason Young, DOE-ORP
Richard Valle, DOE-ORP
Becky Blackwell, DOE-ORP
Chantal Martin, DOE-ORP
Jeff Cheadle, DOE-ORP
Dawn MacDonald, ORP
Larry Romine, DOE-ORP
Paul Hernandez, DOE-ORP
Paul Schroder, DOE-ORP
Erik Nelson, DOE-ORP
Robert Chase, DOE-ORP
Maria Lopez, WRPS
Holly Bowers, WRPS
Michael Turner, HMIS

Stephanie Brasher, HMIS
Eric Van Mason, HLMI
Bailey Hardy, HLMI
Ambika Chakravartty, Ecology
Jackson Davis, Ecology
Doug D'Hondt, Ecology
Theresa Howell, Ecology
Ed Holbrook, Ecology
Jeff Marusich, Ecology
Jim Alzheimer, Ecology
Moises Guevara, Ecology
Kyle Rucker, Ecology
Beth Rochette, Ecology
Jennifer Linville, Ecology
Shelley Cimon, State of Oregon