

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: 2023.09.01 13:26:24 -07'00'

Paul Schroder, Project Manager
DOE-ORP

Date: _____

JASON YOUNG Digitally signed by JASON
YOUNG
Date: 2023.09.05 14:31:35 -07'00'

Jason Young, Project Manager
DOE-ORP

Date: _____

WAHED ABDUL Digitally signed by WAHED ABDUL
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Wahed Abdul, Project Manager
DOE-ORP

Date: _____

Digitally signed by
Lyon, Jeffery (ECY)
Date: 2023.09.14
16:20:29 -07'00'

Jeff Lyon, Project Manager
Washington State Department of Ecology

Date: _____

McDonald, Dan Digitally signed by McDonald,
Dan (ECY)
Date: 2023.09.06 07:47:44 -07'00'
(ECY)

Dan McDonald, Project Manager
Washington State Department of Ecology

Date: _____

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Ambika (ECY)
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Ambika Chakravartty, Project Manager
Washington State Department of Ecology

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Debra (ECY)
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Debra Alexander, Project Manager
Washington State Department of Ecology

Date: _____

**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 Manager Meeting is October 12, 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 June 1 – June 30, 2023, were entered into the Hanford Administrative Record (AR) on July 27, 2023. *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

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 June 2023 ORP TPA Monthly Report and throughout these minutes).

ORP reported that TPA Milestone M-045-86L (“Submit Retrieval Data Report to Ecology for Tank 241-AX-104”), due 09/29/23, was completed on 06/21/23.

ORP reported that TPA Milestone M-045-56S (“Ecology and DOE Agree, at a Minimum, to Meet Yearly [by July 2023]”) was completed on 06/28/23.

ORP reported that Ecology had sent correspondence (23-NWP-087) invoking TPA Section 4.1 to state that Ecology believes TPA Milestone M-062-56 (“Submit Permit Application for Design and Construction of the LAWP Capability”), due 12/31/2023 is in jeopardy of being met by the due date. As a result, ORP has 15 working days (08/23/23) to respond in writing informing Ecology of its recovery plan. This milestone was stuated as At Risk in the July 2023 TPA Monthly Report.

Tri-Party Agreement Issues and Action Items and Key Documents

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

Emergent Issues (Past 3 Months):

1. None

Action Items:

Action No. 1 (TF-21-07-04): The parties agreed that the DST Leak Response Plan is being addressed in the RCRA Rev.9 Permit Workshops, and as such, the action could be closed. *This action was closed.*

Action No. 2 (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

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241-AN-104. At today's PMM, ORP reported it was still preparing the briefing for Ecology. *This action remains open.*

Action No. 3 (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. 4 (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 called 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. ORP reported that the Legal teams from both DOE and Ecology had met on the topic at least once. However, Ecology has yet to determine if an additional follow-up meeting is needed. *This action remains open.*

Other Items/New Actions:

Ecology asked ORP about status of a request for information on WTP feed particle size. ORP said it was working on the response.

A new action was added: Ecology would like a briefing from ORP on its rationale for proposing to remove Cross-Site Slurry Line 3160 from the list of transfer lines to be inspected, currently in TPA Milestone M-042-10, and if it will be included in RCRA Permit Rev. 9. The briefing should include details on future plans for Slurry Line 3160, including if pressure-testing is to be done. In addition, Ecology would like details on the future plans for other DST transfer lines that, after pneumatic testing, were found to have reduced thickness. Ecology also noted that SL 3160 was added to the scope of M-042-10 as a result of a compliance agreement.

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 it was working on responding to Ecology's comments and 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 – ORP reported it had briefed Ecology on the

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Intrusion Investigation in July 2023. ORP is working on responses to the Intrusion Response Work Plan and the submittal by 8/25/23 is still on schedule.

- AO #A-022-04 (“Submit Active Ventilation Practicability Evaluation and Determination”), due 8/25/23. ORP reported it is on schedule to meet the due date.

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.

Significant Past Accomplishments

- Nothing Reported

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 August 16, 2023.
- Receive and analyze Tank-Side Cesium Removal (TSCR) effectiveness grab sample from 241-AP-106, Evaporator Feed grab sample from 241-AY-101, and 241-SY-103 core. ORP added that the AP-106 grab sample was received at the 222-S Laboratory on July 24, 2023.

Issues/Other Items

- At the July 13, 2023 ORP TPA PMM, the State of Oregon (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 noted it is planning on providing those answers to Oregon and Ecology by the next bi-monthly 222-S Laboratory briefing, which will be given at the September 2023 TPA Quarterly Milestone Review Meeting.

4.0 SYSTEM PLAN

Significant Past Accomplishments

- ORP reported modeling and analysis, done in conjunction with Ecology, were completed for all System Plan 10 selected scenarios. The draft System Plan 10 document is currently in technical review.

Significant Planned Actions in the Next Six Months.

- Nothing reported.

Issues/Other Items

- Nothing reported.

5.0 ACQUISITION OF NEW FACILITIES

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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

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

7.0 LOW ACTIVITY WASTE PRETREATMENT SYSTEM

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Complete and issue the Analysis of Alternatives report for the LAWP capability. ORP provided an update to note that the Analysis of Alternatives had been completed.

Issues/Other Items

- A new action was added. Ecology would like to know if the Final Report on the decision for the LAWP Capability Analysis of Alternatives will be issued to Ecology. Ecology has been provided a draft, but not the final.

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

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- Complete the first TSCR processing campaign.

Issues/Other Items

- ORP provided an update on the processing of the third TSCR batch. TSCR completed 3 out of 5 batches and is currently shutdown and in maintenance mode for Ion-Exchange Columns change out and maintenance activities. The TSCR batch 4 Operation is expected to start by early September, 2023.
- Ecology stated it would like more information on the issues encountered with the Ion-Exchange Columns during the processing of batch 3. ORP provided project contacts for Ecology to answer those questions. Ecology said it would email those contacts.

9.0 TEST BED INITIATIVE DEMONSTRATION

Significant Past Accomplishments

- ORP submitted a Research, Development, and Demonstration permit application to Ecology for review on June 8, 2023. Ecology has since sent its completeness determination.

Significant Planned Actions in the Next Six Months

- Nothing reported.

Issues/Other Items

- Nothing reported.

10.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Initiate cold run activities.

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

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Operations

- Prepare facilities for FY 2024 processing campaign. LERF/ETF is currently in outage mode and performing the maintenance activities in preparation for FY24 LERF campaign. Also, ETF projects have completed major portion of construction activities and working towards testing and turnover processes.

Projects

- Nothing reported.

LERF Volumes

- See pg. 21 of the June 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

- Complete ultrasonic testing inspection fieldwork at Tanks 241-AP-104. Testing is ongoing with completion forecasted for September 2023.

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.

12.2 Single-Shell Tank Integrity

Significant Past Accomplishments

- Nothing reported.

Significant Planned Actions in the Next Six Months

- Complete SST visual inspection at Tanks 241-SX-109 and 241-SX-111, planned for August 2023.

RPP-9937 Rev. 5 Updates

Baseline Change Authorizations implemented:

- Nothing reported.

Intrusion

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- 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

- Tank 241-AN-104 core sampling was completed. Samples are currently being analyzed at the 222-S Laboratory.

Significant Planned Actions in the Next Six Months

- Nothing Reported.

Issues/Other Items

- Nothing reported.

13.3 Best-Basis Inventory Updates

Significant Past Accomplishments

- 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

- ORP met with Ecology to fulfill Milestone M-045-56S. The meeting took place on June 28, 2023. Meeting minutes are being drafted and will be added to the Hanford Administrative Record.

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Significant Planned Activities in the Next Six Months

- Complete construction of the U Tank Farm interim surface barrier to fulfill Milestone M-045-92AB. The base course installation is scheduled for completion by August 28, 2023. Asphalt installation will start August 8, 2023 and is scheduled for completion by September 7, 2023, and the project is scheduled for completion by September 28, 2023, which will signify milestone completion.
- 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 provided an update to note that it has responded to Ecology's comments and Rev. 1 was submitted to Ecology at the end of July 2023.

Issues/Other Items

- A new action was added. Ecology would like a discussion on the schedule for the remaining Interim Surface Barriers and a response to Ecology's draft TPA Change control form proposing that schedule.

15.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Significant Past Accomplishments

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pgs. 9,10).

Significant Planned Activities in the Next Six Months

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pgs. 9,10).

Issues/Other Items

Refer to the Consent Decree portion of these meeting minutes (Section 2.0 pgs. 9,10,).

16.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE

Base Operations:

The May 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 June 2023 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$1,171,200.
- The month showed an unfavorable cost variance of \$1,289,100.

Waste Feed Delivery/Treatment:

The May 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 June 2023 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$1,108,700
- The month showed an unfavorable cost variance of \$362,000.

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Treat Waste:

The May 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 June 2023 TPA Monthly Report.

- The month showed an unfavorable schedule variance of \$369,485.
- The month showed an unfavorable cost variance of \$41,526.

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 June 2023 Consent Decree Monthly Report as well as individual sections of these meeting minutes).

ORP reported Consent Decree Milestone D-006-00-D (“Meet Approximately Every 3 Years to Review Requirements of CD”), due 09/09/23 is on schedule. Ecology and ORP have been working on scheduling a date for the meeting.

Consent Decree Issues and Action Items

For reference, see attached “ORP/Ecology TPA and CD Agreements, Issues and Action Items August 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

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

- ORP reported an unfavorable schedule variance of \$1.10 million.
- ORP reported a favorable cost variance of \$2.68 million.

Significant Accomplishments during the Prior Month

Completed Accomplishments

- Completed Tank AX-104 Retrieval Data Report and submitted to Ecology.

On-Going Activities

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- Continued Tank 241-AX-101 retrieval operations. ORP reported, as of today's meeting, total volume retrieved from the tank is 57.7%.

Significant Planned Activities in the Next Month

- Complete Tank A-106 Riser 21 sluicer removal. ORP provided an update to note that the sluicer had been removed.

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

- Continue drafting A-103 Tank Waste Retrieval Work Plan.
- Continue drafting A-106 Tank Waste Retrieval Work Plan.

Issues/Other Items

- Nothing reported.

4.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

Project Schedule and Cost Variance Performance

During the May 2023 reporting period, a net unfavorable schedule variance of approximately \$7.7 million, 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
- Ventilation balancing and fume hood flowrate verification challenges in the Analytical Laboratory.

During the May 2023 reporting period, a net unfavorable cost variance of approximately \$11.2 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.

Issues/Other Items

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- Nothing reported.

5.0 PRETREATMENT FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Nothing reported.

Ongoing Activities:

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

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.

6.0 HIGH-LEVEL WASTE FACILITY

Project Schedule and Cost Variance Performance

- ORP noted that the HLW showed a negative schedule variance due to construction, engineering and subcontracting challenges. HLW showed a positive cost variance, however, ORP noted that was due to not being able to hire enough support for the planned level-of-effort.
- ORP reported that HLW is receiving more of the funding that had once been allocated for DFLAW.

Significant Accomplishments during the Prior Month

- Completed actions for development of path forward for implementing DFLAW Lessons Learned, improvements to key design and project management processes, updates of codes and standards, and establishment of the project control strategy for the HLW Facility design completion period.
- Request for proposal to Bechtel for development of the design completion period scope, schedule and cost was issued by DOE on June 21, 2023. ORP reported that it had asked for Bechtel's proposal by September 2023, but Bechtel has said it would likely be delivered to DOE in November 2023.

Ongoing Activities:

- The last re-baseline for HLW Facility was done in 2012. Actions are underway to develop the detailed scope, supporting assumptions, etc. for the development of the proposal for the design completion period of the HLW Facility. After all approvals are gained, ORP expects to have the design completion period by Summer of 2024.

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- Continued to evaluate flowsheet and waste feed vector requirements for direct-feed HLW feed (DFHLW) alternatives. One of the planned construction project during the design period is switching from the existing diesel generator steam plant to electrical powered steam plant. There was discussion regarding if formal approval was needed from Ecology on the DFHLW alternative. Ecology did not have that answer at the time, but will look into it.

Significant Planned Activities in the Next Month

- Bechtel to submit HLW updated Safety Design Strategy (SDS) to DOE. The design will meet DOE Nuclear Safety Standard 1189, *Integration of Safety into the Design Process*.
- Bechtel is working on Rev. 12 of the Preliminary Documented Safety Analysis (PDSA). Approval is expected by the end of the calendar year.

Issues/Other Items

- The State of Oregon asked when the HLW Facility would be completely enclosed. ORP said it would be a number of years because completing slabs, walls, framing, and roofing would take some time. ORP expects the design completion in 2027, which should coincide with enclosure of the facility.

7.0 LOW-ACTIVITY WASTE FACILITY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Resumed Melter 1 Heatup on June 24, 2023, and achieved second hold point temperature of 600 degrees Fahrenheit. ORP provided an update to note that the Melter had now reach nearly 2,100 degrees. ORP reported there were minimal issues during the heatup, though one thermocouple was changed out. ORP also noted that as of the week of August 7, 2023, frit has been added to the melter with a resulting level of 18 inches of melted glass. The next step will be adding more frit to get to the eventual level of 31 inches, and then gradually removing some of the startup heaters.
- Continued commissioning activities for the LAW Facility auto-sampling system.
- Continued commissioning activities for the LAW Facility glass former reagent system. ORP noted that the process has been slowed somewhat by the discovery of biologicals in some of the tanks and the subsequent cleaning of those tanks. Ecology asked if there was a zero-tolerance for biologicals, ORP replied that, because the tanks had sat for a long period, biologicals collected, but after cleaning the tanks, ORP does not anticipate any issues during startup and commissioning.

On-Going Activities

- Continued commissioning activities for the LAW Facility incorporating the direct feed of pre-mixed glass former batches to the LAW facility.

Significant Planned Activities in the Next Month

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- Nothing reported.

Issues/Other Items

- Nothing reported.

8.0 BALANCE OF FACILITIES

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Initiated steam plant outage for corrective and preventative maintenance activities (which ORP noted was now complete). ORP reported the purpose of the outage was to relocate a chemical injection line within the steam plant.

On-going Activities:

- Continued system operations to support LAW Melter heatup and tuning.

Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- ORP reported BOF has completed construction and initial commissioning tests for all BOF systems. ORP is now focused on system operation and maintenance, operator training, and procedure refinement to support increasing BOF demands. ORP offered to give Ecology an overview of the design changes made at both BOF and the Glass Former Facility. A formal action was added for ORP to give Ecology the briefing.

9.0 ANALYTICAL LABORATORY

Project Schedule and Cost Variance Performance

- Nothing reported.

Significant Accomplishments during the Prior Month

- Completed testing of fume hood flowrates and ventilation system balancing. ORP noted that the fume hood flowrates are now within specification.

Ongoing Activities:

- ORP has recently been working on a modification to one of the ventilation trunks to split out the service to eliminate one of the legs of the service trunk and allow it to operate with one fume hood, which will also allow operation of larger equipment that has more of a ventilation demand. Ecology asked if this would improve overall ventilation balance. ORP replied that the modification was not necessarily designed to improve overall ventilation balance, but more to allow larger equipment to operate and to improve flow in the fume hood.

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Significant Planned Activities in the Next Month

- Nothing reported.

Issues/Other Items

- Nothing reported.



THE HANFORD SITE

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

Monthly Reporting Period

June 1 – 30, 2023

August 10, 2023

Agenda

- 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)

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 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-21-07-04 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)	Parties have agreed to meet. ORP to provide meeting times to ECY. 11/18/21: Ecology has not received a response on proposed meeting times. 12/9/21: Ecology noted a meeting was scheduled for 12/20/21, after which, the action could be closed.	ORP	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<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> <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>		

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<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> <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> <p>07.13.23: ORP reported that the parties have agreed to address the DST Leak Response Plan</p>		

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			and Ecology’s comments in the RCRA Permit Rev. 9 workshops.		
2	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. 07.13.23: No change in status, briefing still in preparation stages.	ORP	Open
3	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.	07.13.23: Parties are still working on content for a briefing to the Tribes on WMA-C closure permitting process.	Parties	Open
4	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	Ecology	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>meeting will occur prior to the 07/13/23 ORP TPA PMM.</p> <p>07.13.23: Parties have met. Ecology PM will determine if a second meeting is necessary.</p>		

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> <p>07.13.23: No change in status.</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	PMM Request Date	PMM Approved /Dis
Other	ECY	July 2023	RPP-RPT-63442	0	Completion Report for Direct Push Soil Sampling Between Tanks T-102 and T-105	This document is associated with interim measures direct push sampling proposed during FY 2019 M-045-56.	10-Aug-23	
Primary	ECY	July 2023	RPP-RPT-61684	03B	Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program	Plan to be used at each ISB farm in order to meet the maintenance and performance monitoring requirements for ISBs stated in the HFFACO	10-Aug-23	
Other	ECY/DOE	July 2023	23-ECD-0007	0	Submittal of Supplemental Information to the Hanford Facility Resource Conservation and Recovery Act Permit Renew AI, Revision 9, Application for Double-Shell Tank System, Addendum I	Correspondence	10-Aug-23	
Other	ECY/DOE	July 2023	23-NWP-088	0	The Department of Ecology (Ecology) Review of Response to Dangerous Waste Compliance Inspection on November 30, 2022, at the Double Shell Tank System (DST System), RCRA/State Site ID: WA7890008967, Nuclear Waste Program (NWP) Compliance Index No.: 22.781	Correspondence	10-Aug-23	
Other	ECY/DOE	July 2023	23-TF-0009	0	Hanford Federal Facility Agreement and Consent Order (Also Known as Tri-Party Agreement) Interim Milestone M-062-01, July 2023 Tri-Party Agreement Semiannual Project Compliance Report for November 1, 2022, Through April 30, 2023	Correspondence	10-Aug-23	
Other	ECY	July 2023	RPP-RPT-63943	0	241-U Tank Farm Direct Push Vadose Characterization FY 2022 Completion Report	This document is associated with interim measures direct push sampling associated with M-045-56.	10-Aug-23	

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
None for July										

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 comments on SST LRP were received on 7/11. DOE & WRPS are preparing comment responses.
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	ECY was briefed on the intrusion investigation on 7/5, and provided the draft document for review. ECY comments on the intrusion investigation and Intrusion Response Work Plan were received on 7/21. DOE and & WRPS are preparing comment response.
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. Meeting held with ECY 3/28/23 on the outline.
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	AO V.D.2.i	Noyes, Delmar L	*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.
A-022-10	09/30/2028*		Complete construction of interim barrier at B-Farm	AO V.D.2.ii	Noyes, Delmar L	*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.
A-022-11	08/31/2024*		Complete System Plan 10 milestone negotiations	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. SP10 Scenario 5 results were briefed to ECY on 5/16/23. SP10 Scenario 2 model results were presented to ECY on 4/18/23. TPA CCF M-62-23-01 signed by DOE and ECY on 3/09/23. SP10 scenario selection letter transmitted to Ecology on 12/27/2022, reference DOE letter 22-TF-002632. ECY signed the scenarios on 01/03/2023, reference ECY letter 23-NWP-002.
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
August 10, 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
Larry Romine, DOE-ORP
Robert Chase, DOE-ORP
Craig Whitely, DOE-ORP
Kaylin Burnett, DOE-RL
Robin Varljen, DOE-RL
Maria Lopez, WRPS
Michael Turner, HMIS
Stephanie Brasher, HMIS
Debra Alexander, Ecology
Ambika Chakravartty, Ecology
Jackson Davis, Ecology

Ed Holbrook, Ecology
Jay Decker, Ecology
Jeff Lyon, Ecology
Doug D'Hondt, Ecology
Theresa Howell, Ecology
Ed Holbrook, Ecology
Jim Alzheimer, Ecology
Dan McDonald, Ecology
Kyle Rucker, Ecology
Beth Rochette, Ecology
Jennifer Linville, Ecology
Eric Pierce, Ecology
Johnathan Rogers, Ecology
Steve Needles, Ecology
Dave Einan, EPA
Shelley Cimon, State of Oregon