

***Office of River Protection  
Tri-Party Agreement Quarterly Milestone Review Meeting  
Minutes***

September 8, 2022

---

Meeting held virtually, via MS TEAMS


This page intentionally left blank.


**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**


**CONCURRENCE SIGNATURES**

**SIGNATURES:**

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

Approval:  Digitally signed by Delmar L. Noyes  
Date: 2022.10.03 16:57:39 -07'00' Date: \_\_\_\_\_  
D.L. Noyes, DOE-ORP IAMIT Representative

Approval:  Digitally signed by Bowen, David (ECY)  
Date: 2022.10.11 11:20:02 -07'00' Date: \_\_\_\_\_  
D.B. Bowen, Ecology IAMIT Representative

Approval:  Digitally signed by DAVID EINAN  
Date: 2022.10.11 12:13:41 -07'00' Date: \_\_\_\_\_  
D.R. Einan, EPA IAMIT Representative

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**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

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**1.0 ADMINISTRATIVE ITEMS/MILESTONE STATUS/ACTIONS**

**Upcoming Meetings**

The next U.S. Department of Energy-Office of River Protection (ORP) Tri-Party Agreement (TPA) ORP Quarterly Milestone Review Meeting is scheduled for December 8, 2022. The next ORP TPA Project Managers Meeting is scheduled for October 13, 2022.

**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 July 1 – July 31, 2022, were entered into the Hanford Administrative Record on August 29, 2022.*

\*See also, the “Key Documents List” attached to these meeting minutes for documents recently submitted to the Hanford Administrative Record.

**Tri-Party Agreement Milestones Status**

ORP stated all Tri-Party Agreement (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 1-2 of the July 2022 ORP TPA Monthly Report). ORP highlighted a number of near-term milestones that are on schedule or were recently completed. (See details in these meeting minutes).

ORP reported that while the site has transitioned to Phase 3 (at or near pre-pandemic levels), there are still potential COVID-19 impacts on TPA milestones which are being monitored and assessed.

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

1. None currently.

**Actions:**

**Action No. 1 (TF-21-02-01):** ORP agreed to identify a tentative date for holding a dry-run in preparation for a WMA-C closure briefing to the Tribes about a month prior to the briefing being scheduled. That briefing has not been scheduled. There was no further update provided at today’s meeting. *This action remains open.*

**Action No. 2 (TF-21-02-03):** ORP provided Ecology a working draft synopsis of the “Supporting Information for Corrective Action Decision-Making at WMA C” document via email on 08/30/22 and subsequently met with Ecology on 08/31/22. The draft “Supporting Information for Corrective Action Decision-Making at WMA C” document is undergoing final tech editing and is on track to be submitted to Ecology in September 2022. *This action remains open.*

**Action No. 3 (TF-21-07-04):** Discussions continue on resolving Ecology’s comments on the DST Leak Response Plan. Ecology reported it had offered ORP a number of dates/options in

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

August 2022 for scheduling the next round of discussions but heard no response. ORP committed to trying to find a date in September 2022 to meet. *This action remains open.*

**Action No. 4 (TF-21-07-06):** Meetings continue on the Single Shell Tank Permitting Plan between the parties at a management level higher than TPA Project Managers. Ecology anticipated it would be sending ORP a revised SST Permitting Plan by the end of September 2022. *This action remains open.*

**Action No. 5 (TF-22-02-01):** ORP reported it was still targeting delivery of the 241-TX-111 Drywell Logs to Ecology by the end of October 2022. *This action remains open.*

**Action No. 6 (TF-22-03-01):** ORP (via WRPS) sent TOC-RORI-22-051 (*Corrosion Susceptibility Assessment for 241-AY-102/Technical Evaluation for Out-of-Specification Waste in the AY-102 Annulus*) to Ecology on 08/17/22. Ecology replied via email (J. Lyon to M. Lopez) on 08/18/22 confirming this action could be closed. *This action was closed.*

**Key Documents List:**

The Key Documents List (*Items Recently Submitted to the Hanford Administrative Record and Status of Current TPA Change Notices*) was presented and is attached to these meeting minutes. There were no comments.

**Other:**

Ecology noted that the newly signed Administrative Order regarding tanks 241-B-109 and 241-T-111, signed 08/25/22, did not appear in the Key Documents List, and asked ORP where the requirements in the Order will be tracked. ORP responded that it is a legal order, and assured Ecology that it will definitely be tracked, but felt the TPA Project Managers Meeting was not the forum. Ecology accepted this answer.

**2.0 222-S LABORATORY**

\*Note: The 222-S Laboratory is now being reported on a bi-monthly status.

**Project Status**

**Lab Production**

- For FY 22, Lab contractor HLMI has delivered a 92% on-time delivery rate (DOE considers 90% acceptable).
- HLMI has not requested any extensions to deliverable dates.

**LIMS Upgrade**

- The Laboratory Information Management System manages nearly all analytic activity for the laboratory. The LIMS is now installed and is connected to Hanford Site servers, though some follow-up work remains.
- ORP is planning for the LIMS to go live in April 2023.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**Significant Past Accomplishments**

- ORP referred to the attached presentation, (slide 3) for a listing of key sampling activities, while providing an update that Tank AZ-301 and Catch Tank AP-108 sampling analyses are near final.

**Significant Planned Actions**

- The laboratory will receive grab samples from Tank AP-106 (to assess TSCR effectiveness), a core sample from tank AN-102, and will begin support of the complex A/AX vadose zone project. All of these activities are scheduled for the first quarter of FY23.
- There is a planned Laboratory outage from October 6 to 16, 2022 to perform maintenance activities that can not be performed while the laboratory is in full operations. A key activity will be replacing HEPA filters which have reached the end of their regulatory compliance-based performance period.
- An attempted transfer from the 219-S facility to Tank SY-101 scheduled for August 31, 2022 did not occur due to a pump leak detector. The issue was resolved, and the transfer has been rescheduled.
- 11-A hot cells are being renovated. The cells are nine years old and some of the original equipment has reached the end of its performance life.

**Equipment Upgrades**

- There were six items planned for purchase and installation in FY22, but the procurement process was delayed due to unanticipated cyber-security requirements. Therefore, the installations will likely not be completed in FY22.
- Please refer to slide 4 in the attached presentation for more detail on the status of various equipment upgrades.

**Analytical Performance**

**Quality Assurance Evaluations/Proficiency Tests**

- Results were shown for FY22 (through August). ORP reported the overall proficiency rate of 94.3% and noted that most commercial laboratories would consider between 80-85% as a good proficiency rate. ORP also noted that, unlike commercial laboratories who do simple “correct/not correct” statistical analysis, ORP’s analysis can identify specific issues in laboratory performance.

**Holding Time Performance**

- ORP noted that performance lagged at the start of the fiscal year, but corrective actions in Quarter 2 led to much better rates since then. (See slide 6 in the attached presentation for more detail.)

**TSD Status**

- ORP noted the laboratory waste shipped and the waste inventory, both of which can be found on slide 7 of the attached presentation.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**Issues/Other Items**

- ORP detailed where various waste is shipped from the laboratory and why it goes to a certain destination: either off-site (PermaFix Northwest or Clean Harbors) or on-site (the Environmental Waste Disposal Facility [ERDF] or the Centralized Consolidation/Recycling Center). Wastes are shipped by type to the corresponding permitted facility. Ecology asked where waste sent to PermaFix for treatment goes when it is returned to the site. ORP replied that a majority of it goes to ERDF as solid waste. Ecology said its question concerned mixed waste and why that mixed waste was not being sent to the Mixed Waste Trenches on site. ORP did not have an immediate answer but said it would provide that answer to Ecology.
- The State of Oregon asked if the waste stored in the 219-S underground tanks was mixed or hazardous waste. ORP replied that the waste stored in permitted underground tanks (three with 3,000-gallon capacity, one at 1,710 gallons) was mixed waste and that the waste stored in these tanks is eventually returned to the Tank Farms.
- Ecology asked if it could be provided with the findings on the 219-S Facility pump leak. ORP agreed to do so.

**3.0 SYSTEM PLAN**

**Significant Past Accomplishments**

- Nothing reported

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

- Continue scenario selection discussions and issue a selected scenarios document in support of M-062-40I. \*Note: ORP provided an update, stating that that in order to meet TPA Milestone M-062-40I (“*One year prior to the issuance of the System Plan, DOE and Ecology will each select the scenarios that will be analyzed in the System Plan*” – due 10/31/22), Ecology must agree to the selected scenarios for the forthcoming System Plan 10. Those scenarios have been selected by Ecology. ORP thanked Ecology for their collaboration in keeping the milestone due date on schedule.

**Issues/Other Items**

- Nothing reported.

**4.0 ACQUISITION OF NEW FACILITIES**

**Significant Past Accomplishments**

- Nothing reported.

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

- Nothing reported.

**Issues/Other Items**

- Nothing reported.



**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**5.0 SUPPLEMENTAL TREATMENT AND RCRA PART B PERMIT  
APPLICATIONS**

**Significant Past Accomplishments**

- DOE and Ecology agreed to extend comment disposition to revise the combined DOE/ORP-2021-05, Direct-Feed Low-Activity Waste Secondary Liquid and Solid Waste Work Plan, for target Milestones M-062-51-T01, “Submit to Ecology, as a Primary Document for Approval a Secondary Liquid Waste Disposition Work Plan,” and M-062-52-T01. DOE transmitted 22-TF-002032, “U.S. Department of Energy Request for Additional Extension to Complete Comment Responses and Document Update of DOE/ORP-2021-05, ‘Direct-Feed Low-Activity Waste Secondary Liquid and Solid Waste Work Plan,’ Rev. 0,” on July 14, 2022, requesting an extension date of September 1, 2022. \*Note: ORP provided an update, stating that it had just sent Ecology a notification that it had extended the comment response period to October 17, 2022.

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

- See above.

**Issues/Other Items**

- Nothing reported.

**6.0 LOW ACTIVITY WASTE PRETREATMENT SYSTEM**

**Significant Past Accomplishments**

- Nothing reported.

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

- Initiate and complete the Analysis of Alternatives for the Low-Activity Waste Pretreatment Capability. This entails evaluating the expansion of the pilot-TSCR Project to look at increasing throughput of a TSCR-type capability to support DFLAW operations.

**Issues/Other Items**

- Ecology requested to be involved in the Analysis of Alternatives for the Low-Activity Waste Pretreatment Capability (see above), stating it believed there should be Ecology involvement early on so Ecology can understand the scope of the potential alternatives being considered, and because this analysis of alternatives has impacts on the Analysis of Alternatives for High Level Waste Treatment. Ecology also stated it would like to know of cost issues with any alternatives being selected. ORP responded that the process was still very preliminary and internal at this point. ORP explained that the process currently entails ORP receiving recommendations from a third-party and evaluating those recommendations. ORP said it would consider the Ecology request, however.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**7.0 TANK SIDE CESIUM REMOVAL SYSTEM (TSCR)**

**Significant Past Accomplishments**

- Nothing Reported.

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

- With the completion of first two TSCR campaigns (yielding about 380,000 gallons staged), ORP will implement lessons-learned and improvements to be applied in the next campaign.

**Issues/Other Items**

- Nothing reported.

**8.0 TEST BED INITIATIVE DEMONSTRATION**

**Significant Past Accomplishments**

- Nothing to report.

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

- Issue Final WIR Evaluation (DOE-ORP-2021-01, Rev. 1) and potential WIR Determination.
- Issue final documentation related to the National Environmental Policy Act and potential decision document(s). \*Note: ORP provided an update, stating that both documents were in review and ORP hopes to finalize the documents by the end of the calendar year.

**Issues/Other Items**

- Nothing reported.

**9.0 242-A EVAPORATOR STATUS**

**Significant Past Accomplishments**

- Nothing reported.

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

- Complete fieldwork, backfill, restoration, and turnover to operations for the 242-A Evaporator slurry and feed pipe in pipe transfer line replacement. ORP forecasted completion in the middle of December 2022.
- Initiate cold runs activities, scheduled to begin around November 2022.

**Issues/Other Items**

- Nothing reported.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**10.0 LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT  
TREATMENT FACILITY**

**Significant Past Accomplishments**

- Nothing reported.

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

- DOE and Ecology agreed to extend comment disposition to revise the combined DOE/ORP-2021-05, Direct-Feed Low-Activity Waste Secondary Liquid and Solid Waste Work Plan, for target Milestones M-062-51-T01, “Submit to Ecology, as a Primary Document for Approval a Secondary Liquid Waste Disposition Work Plan,” and M-062-52-T01. DOE transmitted 22-TF-002032, “U.S. Department of Energy Request for Additional Extension to Complete Comment Responses and Document Update of DOE/ORP-2021-05, ‘Direct-Feed Low-Activity Waste Secondary Liquid and Solid Waste Work Plan,’ Rev. 0,” on July 14, 2022, requesting an extension date of September 1, 2022. \*Note: ORP provided an update, stating that it had just sent Ecology a notification that it had extended the comment response period to October 17, 2022.
- Initiate fieldwork activities for the ETF secondary waste storage and loadout upgrades to provide the capability to manage the WTP DFLAW effluent.

**LERF Volumes**

- See pg. 25 of the July 2022 TPA Monthly Report.

**Issues/Other Items**

- ORP reported it was on track to meet TPA Milestone M-062-51 (*Achieve Substantial Completion of LERF/ETF Construction Upgrades Necessary for LAW Hot Commissioning*) by the April 15, 2023 due date.
- ORP reported that the LERF Basin 41 installation is nearing completion.

**11.0 TANK SYSTEM UPDATE**

**11.1 Double-Shell Tank Integrity**

**Significant Past Accomplishments**

- ORP reported that it had met TPA Milestone M-042-10-T01 (*Complete Leak Test/Internal Inspections, or Other Tank Integrity Examination of DST Components*) months ahead of the December 31, 2022 due date.

**Significant Planned Actions**

- Nothing reported.

**Ultrasonic Testing Report Status**

- Nothing reported.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**Issues/Other Items**

- Ecology asked if ORP was on track to meet TPA Milestone M-042-10 (*Complete Tank Integrity Examination of DST Components to Assess Integrity*, due 12/31/26). ORP responded it was still on track but had encountered some challenges and was reevaluating its schedule. Ecology asked if ORP would begin reporting percentage complete on meeting the milestone at the TPA Project Managers Meeting. ORP agreed to do so, while noting that percentage complete was currently 50%.

**11.2 Single-Shell Tank Integrity**

**Significant Past Accomplishments**

- Nothing reported.

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

- Nothing reported.

**RPP-9937 Rev. 5 Updates**

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**12.0 IN-TANK CHARACTERIZATION AND SUMMARY**

**12.1 Reports Completed or Released**

- See page 32 of the July 2022 TPA Monthly Report for details.

**12.2 Tank Sampling**

**Significant Past Accomplishments**

- Nothing reported.

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

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**12.3 Best-Basis Inventory Updates**

**Significant Past Accomplishments**

- Nothing reported.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

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

- Nothing reported.

**Issues/Other Items**

- Nothing reported.

**13.0 SINGLE-SHELL TANK CLOSURE PROGRAM**

**Significant Past Accomplishments**

- Nothing reported.

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

- Submit to Ecology an RFI/CMS work plan for WMA A/AX to fulfill Milestone M-045-98.
- Complete construction of the U Tank Farm interim surface barrier evapotranspiration basin in support of Milestone M-045-92AB. Note: ORP reported that at the end of August 2022, construction was at about 93% complete.
- Respond to Ecology’s comments on RPP-RPT-61684, Maintenance and Performance Monitoring Plan for the Interim Barriers Program, Rev. 3.
- Respond to Ecology’s comments on RPP-PLAN-64407, Waste Management Area Integration Study – Waste Management Area A-AX, Rev. 0. \*Note: ORP reported it had sent its comment responses to Ecology on August 29, 2022.

**Issues/Other Items**

- Ecology suggested, that with the submittal of the RFI/CMS work plan for WMA A/AX, the agencies revisit a proposed “Kaizen” to improve the comment and response process. ORP agreed to contact the Ecology lead to discuss the possibility of conducting a Kaizen.

**14.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

**Tri-Party Agreement Milestone Status**

- ORP noted three TPA milestones (M-045-15, M-045-15A and M-045-15D – all concerning retrieval of Tank 241-A-103), currently stasured as “At Risk” are impacted by the on-going Holistic Negotiations between the TPA agencies. ORP stated it was working on a TPA Inter-Agency Management Team Determination to potentially change the status of the milestones to “In Abeyance”.
- ORP reported that it had sent a Retrieval Data Report for tank 241-AX-102, which partially fulfils TPA Milestone M-045-86 (*Submit Retrieval Data Report to Ecology for 19 Tanks Retrieved Under Consent Decree*).

**Significant Past Accomplishments**

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

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

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

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

**Issues**

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

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

**Base Operations:**

The June 2022 variances below do not impact TPA milestones.

- ORP reported an unfavorable schedule variance of (\$942,700).
- ORP Reported a favorable cost variance of \$869,100.

**Waste Feed Delivery/Treatment:**

The June 2022 variances below do not impact TPA milestones.

- ORP reported an unfavorable schedule variance of (\$861,200).
- ORP Reported a favorable cost variance of \$267,600.

**Treat Waste:**

The June 2022 variances below do not impact TPA milestones.

- ORP reported a schedule variance of \$0, which is below reportable thresholds.
- ORP Reported a unfavorable cost variance of \$47,900, which is below reportable thresholds.

**1.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS**

**Consent Decree Milestones Status**

ORP reported milestones as Complete, On Schedule, At Risk, or Under Analysis (see pages 1-2 of the ORP July 2022 Consent Decree Monthly Report).

ORP reported a focus on Consent Decree (CD) milestones B-03 (“retrieval of five of twelve SSTs”) and B-02 (“complete retrieval of nine tanks in A and A/X Tank Farm tanks”). Both have been assigned new due dates following a post-COVID Pandemic/Force Majeure event recalculation. CD milestone B-03 is now due 01/30/23 and B-02 is now due 05/01/28.

ORP also noted that it still continues to see supply chain issues related to COVID-19.

**Consent Decree Issues and Action Items**

For reference, see attached “ORP/Ecology TPA and CD Agreements, Issues and Action Items September 2022 Meeting.”

**Issues:**

ORP TPA Quarterly Milestone Review Meeting Minutes  
September 8, 2022

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

There are no current issues.

**Action Items:**

There are no current actions.

**2.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

**Project Schedule and Cost Variance Performance**

- ORP reported a favorable schedule variance of \$1.53 million.
- ORP reported a favorable cost variance of \$1.64 million.

**Significant Accomplishments during the Prior Month**

- Completed Tank AX-103 post retrieval residual waste sampling. \*Note: ORP provided an update, noting that the samples are now being analyzed at the 222-S Laboratory.
- Completed Tank AX-101 D-Pit Extended Reach Sluicer System (ERSS) installation.

**On-Going Activities**

- Continued A Tank Farm equipment removal activities in preparation for new retrieval equipment installation. ORP noted that this activity has been impacted by high dose rates in some pits, but the project built a mockup of the pits in July 2022 for training, and by August 2022 work had resumed.

**Significant Planned Activities in the Next Month**

- Complete Tank AX-102 Retrieval Data Report. \*Note: ORP provided an update that the report had been completed and submitted to Ecology.
- Complete Tank AX-104 Retrieval Completion Certification. \*Note: ORP provided an update that the retrieval work had been completed and the certification will soon be submitted to Ecology. This retrieval also satisfies CD milestone B-03.

**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.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**4.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT**

**Project Schedule and Cost Variance Performance**

ORP reported an unfavorable schedule variance of approximately (\$4.8M), primarily due to:

- LBL facilities and services continued to report an unfavorable SV due to impacts from challenges encountered during execution of pre-Melter 1 Heatup testing and plant preparation activities. Key contributors to the schedule variance included: Testing and maintenance of LAW Facility mechanical systems for waste container, receipt, handling, and finishing; LAW Facility offgas system testing and tuning; discovery of instrument performance and control system anomalies.

ORP reported a net unfavorable cost variance of (\$9.5.M) primarily due to:

- LBL Facility Services and LAW Facility each continued to report an unfavorable CV due to challenges encountered during execution of pre-Melter 1 Heatup testing and plant preparation activities related to testing and maintenance of LAW Facility mechanical systems for waste container, receipt, handling, and finishing; LAW Facility offgas system testing and tuning; discovery of instrument performance and control system anomalies; ongoing challenges encountered during auto-sampling system testing; design modifications to the glass former reagent system; and material purchases to support the cooling tower basin modifications.
- ORP reported it still continues to see some cost and schedule impact from the COVID-19, but those impacts have begun to lessen significantly. However, WTP contractor, Bechtel National, Inc. does continue to accrue some COVID-related costs which could result in further Requests for Equitable Adjustments.
- ORP also reported continuing staffing shortages while resources are diverted to assist in the DFLAW Project, while new hires are lagging due to availability of qualified workers locally and competition from other employers.

**Issues/Other Items**

- Ecology asked if, given the lack of resources, ORP is still on schedule to meet its FY23 Work Plan. ORP responded that it expects to stay on schedule because after the project successfully executes melter heatup (expected December 2023), the project expects to begin bringing staff back from the DFLAW Project. ORP did note, however, that there is a gap between funding and the Bechtel National Inc. (Bechtel) contract. ORP has asked the US Army Corps of Engineers to conduct an independent cost estimate to provide recommendations for any contract modifications. Ecology asked if full funding is not received, would Bechtel have to conduct planning and execution on a quarter-by-quarter basis. ORP replied that would be the case.

**5.0 PRETREATMENT FACILITY**

**Project Schedule and Cost Variance Performance**

ORP TPA Quarterly Milestone Review Meeting Minutes  
September 8, 2022



**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

- 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**

- Completed 90 percent design review of the high-pressure steam, low-pressure steam, and steam condensate water systems.
- Completed upgrading of melter structural design and design modifications.

**Ongoing Activities:**

- ORP contractor Bechtel is working on incorporating lessons learned from the DFLAW Project, primarily the timing of design and systems testing. Improvements are being sought to address systems being tested prior to design completion and those systems subsequently failing and requiring re-design and/or contract modifications.
- ORP and Bechtel continue to work together on FY23 work planning.
- ORP reported it continues to evaluate the option of Direct-Feed High Level Waste design/scenario (which could also require changes to the HLW Facility and equipment). Consultation and discussion have begun with the Tank Farms Project, as well as with the Savannah River Site.

**Significant Planned Activities in the Next Month**

- Initiated development of equipment specifications to issue Request for Proposals for plant equipment procurement to support 90 percent design completion of system designs.
- Develop preliminary glass formulations ranges for HLW Facility Alternative Feed Stream.

**Issues/Other Items**

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

- The State of Oregon asked if ORP is still focusing on enclosing the HLW Facility. ORP responded there is still a push to enclose the building, but several pieces of facility equipment and infrastructure are either not fully designed yet or not fully installed yet. If the building were enclosed, installation of equipment or modifications to equipment could be hampered, possibly necessitating holes being cut in the building for access. ORP did note, however, that the facility design is nearly complete.
- Ecology asked for an action item to be briefed about the preliminary glass formulations being conducted by the Pacific Northwest National Laboratory (PNNL), specifically any changes to boundary constraints. ORP replied that there was no date set for when it would be received, but forecasted early 2023. Ecology asked for a second part to the action: to be given the date of when the PNNL Glass Formulation results would be available. *The action was added to the Action Items list.*

## **7.0 LOW-ACTIVITY WASTE FACILITY**

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

- Nothing reported.

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

- Nothing reported.

### **On-Going Activities**

- Resumed testing and tuning for LAW Facility melter offgas system. \*Note: ORP provided an update, projecting completion by September or October 2022.
- Continued commissioning activities for the LAW Facility auto-sampling system. ORP noted recent improvements in this area. Also, some of the sampling systems that deal with radioactivity will not be needed prior to startup of Melter 1 and thus will not impede startup.
- Continued testing and tuning for LAW Facility lifting and handling systems.

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

- Nothing reported.

### **Issues/Other Items**

- ORP reported that the focus continues to be on Melter-1 heatup. After encountering several issues, projected startup is now September 2022, after the initial target was late 2022 or early 2023.
- Ecology asked ORP, that even though the Consent Decree milestone for LAW hot commissioning was now 8/1/25, was Bechtel still reporting hot commissioning in October 2023. ORP replied that Bechtel was still reporting that date for hot commissioning, but the successful startup of Melter-1 was critical to achieving the date.

## **8.0 BALANCE OF FACILITIES**

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**Project Schedule and Cost Variance Performance**

- Nothing reported.

**Significant Accomplishments during the Prior Month**

- Refurbishment is complete on Plant Cooling Water Pump 5C and the pump was returned to the site by the vendor
- Completed post maintenance testing of the plant cooling water pumps following restoration from the cooling tower basin outage.

**On-going Activities:**

- Plant Management resumed support system operations and preparations for LAW Melter-1 heatup.
- Plant Management resumed issue resolution, testing, and tuning for the Glass Former Facility
- Plant Management resumed issue resolution, testing, and tuning of the Steam Plant

**Significant Planned Activities in the Next Month**

- Nothing reported.

**Issues/Other Items**

- ORP reported problems continue with maintenance and operations of the Chiller Compressor Plant.
- ORP is continuing work on the direct transfer of DFLAW to the LAW Facility by truck alternative. The State of Oregon asked if the transfer by truck would impede flow and cause schedule delays. ORP responded that Bechtel has done calculations and found that the trucks can support the production rate, ORP also noted that the truck transfer is a temporary measure until issues with the Glass Former Facility are resolved.

**9.0 ANALYTICAL LABORATORY**

**Project Schedule and Cost Variance Performance**

- Nothing reported.

**Significant Accomplishments during the Prior Month**

- Resumed testing and tuning of LAB ventilation systems and fume hoods to resolve system performance challenges.

**Ongoing Activities:**

- Continued to focus on LAB workflow improvement.
- Continued recruiting, hiring, and training personnel for LAB operations.

**Significant Planned Activities in the Next Month**

- Nothing reported.

**OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT QUARTERLY  
MILESTONE REVIEW MEETING MINUTES  
SEPTEMBER 8, 2022**

**Issues/Other Items**

- Nothing reported.



# THE HANFORD SITE

## Office of River Protection Quarterly Tri-Party Agreement Milestone Review

Monthly Reporting Period

July 1 – 31, 2022

*September 8, 2022*

## Agenda

- Safety Culture Share
- 222-S Laboratory (8:30 am – 9:00 am)
- Tank Farms Quarterly TPA Review (9:00 am – 10:15 am)
  - Past Agreements/Actions/Emergent Issues
  - Key Documents
  - Consent Decree
  - Tri-Party Agreement
- Questions?

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



# THE HANFORD SITE

## **222-S Laboratory Quarterly Tri-Party Agreement Milestone Review**

Monthly Reporting Period

July 1 – 31, 2022

*September 8, 2022*

- Project Status

- Lab Production

- From 10/01/2021 to 8/31/2022, HLMI has delivered 108 of 117 (92%) high-level project reports on-time or early, and 1471 of 1508 (98%) low-activity project reports on-time or early
- There have been no project due-date extensions requested

- LIMS Upgrade

- HLMI procured a new LIMS called LabVantage at the end of FY 2021 to replace OMNILims
- Installation and configuration activities began in the second quarter of FY 2022
- HMIS and LabVantage completed the installation of the core LIMS onto Hanford servers in July
- LabVantage and HLMI technical staff continue to work on system configuration and plan to Go Live in the third quarter of FY 2023



- Significant Accomplishments

- During the months of July and August, 222-S received and began analysis of samples collected from the following Tank Farms projects
  - U-Farm Vadose
  - AX-103 Grab (Post Retrieval)
  - AN-107 Grab
  - AZ-301 Catch Tank
  - AP-108 Grab

- Significant Planned Activities

- In FY 2023 Q1—Receive grab samples from AP-106 for TSCR Effectiveness Check, core samples from AN-102, and initiate A/AX Farm vadose project
- October 6 through October 16 planned laboratory outage (electrical and 222-SB filters)
- Attempted 219-S transfer to SY-101 on 8/31/2022. Transfer did not occur due to pump leak detector alarm. Troubleshooting and repair planning is in progress.
- 11A hot cell renovations

- **Equipment Upgrades**

- Six items were specified for purchase and installation in FY 2022. The procurement process was delayed due to unanticipated cyber-security requirements. The installations will likely not be completed in FY 2022.
- The last three instruments listed below, when installed and operational, will provide the 222-S Lab with reliability by adding a second functioning unit.

Instrument	Delivery Status	Installation Status
DSPECs	Arrived	Scheduled for FY23 Q1
UV-VIS Spec	Arrived	Scheduled for FY23 Q1
GEA & Mobius	Arrived	Scheduled for FY23 Q1
TGA/DSC	Arrived	Scheduled for FY23 Q1
MicroGC	Expected mid-September	Planned for FY23 Q1
SEM	Expected mid-March 2023	Planned for FY23 Q2

- Quality Assurance Evaluations/Proficiency Tests

Reporting Period	Reported	Correct	Study (%)
October Reporting Period	190	187	98.4%
November Reporting Period	88	85	96.6%
December Reporting Period	6	5	83.3%
January Reporting Period	0	0	0.0%
February Reporting Period	12	12	100.0%
March Reporting Period	198	191	96.5%
April Reporting Period	208	200	96.2%
May Reporting Period	12	9	75.0%
June Reporting Period	55	47	85.5%
July Reporting Period	17	16	94%
August Reporting Period	144	135	93.8%
<b>Total (FY2022)</b>	<b>930</b>	<b>877</b>	<b>94.3%</b>

- Holding Time Performance

Holding Times							
	FY21 Final 4/15- 9/30/21	FY22 Q1 10/1-12/19	FY22 Q2 12/20-3/20	FY22Q3 3/21-6/20	July 6/20-7/24	August 7/25-8/21	FY22 YTD 10/1-8/21
<b>Tank Waste Analyses</b>							
% met	90.5%	95.3%	89.2%	98.7%	96.2%	99.5%	94.9%
% missed	9.5%	4.7%	10.8%	1.3%	3.8%	0.5%	5.1%

## Waste Shipped

Waste Type	Containers Shipped 7/1/22 to 8/30/22	Receiving Facility
Mixed	5	Perma-Fix Northwest
Low Level	5	Perma-Fix Northwest
Low Level	1	ERDF
Hazardous	47	Clean Harbors
Universal	4	CCRC

## Waste Storage Inventory

Container Unit	Inventory (units)	219-S Tanks	Inventory (gal)	Max Volume (gal)
Room 4E	6 (55 gallon)	TK-101	2464	3600
Room 2B	6 (55 gallon)	TK-102	3457	3600
DMWSA	35 (various sizes)	TK-104	1314	1710
T8 Alcove	(fixed)			

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 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:

#	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	Open

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 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><b>DOE will present on the following:</b></p> <ul style="list-style-type: none"> <li>Overview of TPA closure process</li> <li>Results of Appendix I PA</li> <li>Summary of 435.1 PA</li> <li>Summary of RCRA CA</li> <li>Summary of Past Leaks</li> <li>Summary of Baseline Risk Assessment</li> </ul> <p><b>Ecology will present on the following:</b></p> <ul style="list-style-type: none"> <li>Closure Plans</li> </ul> <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 – September 2022 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 – September 2022 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/August 2022 PM meetings: There was no change in status.</p>		
2	TF-21-02-03 11 Feb 2021	ORP to provide Ecology a status on when it will be submitting the remaining draft addenda (specifically Addendum L) in support of the Part V Closure Units, Single-Shell Tank System Closure Unit Group Permit modification.	<p>5/13/21: Ecology has provided Addendum L to ORP for comment/response. Ecology requesting status on remaining addenda.</p> <p>ORP has provided a schedule for all the addenda, with the exception of Addendum L.</p> <p>8/12/21: ORP and have discussed criteria for Addendum L during recent SST Permit meetings, though the action remains open.</p> <p>9/9/21: No change in status.</p>	ORP	Open

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>10/14/21: ORP offered 11/18/21 as the date for submittal of the remaining draft addenda.</p> <p>11/18/21: ORP has sent proposed dates to Ecology for its submittal of the remaining addenda (late December).</p> <p>12/9/21: ORP has sent dates to Ecology for the submittal of the Addenda, except Addendum L. ORP questioned why it was responsible for producing Addendum L. Ecology contends ORP is responsible for producing Addendum L (email from J. Lyon, ECY to B. Harkins, ORP 12/12/21).</p> <p>01/13/22: Ecology reported it is awaiting DOE to schedule a meeting to discuss, and that the dates for the submittals of the remaining addenda (besides Addendum L) are now scheduled for February 2022. ORP reported it was working to schedule the meeting with Ecology.</p> <p>02/10/22: DOE, WRPS and Ecology met on 02/02/22. Ecology presented what remaining information they feel is needed to justify the Landfill Closure decision. WRPS is working with Ecology and DOE-ORP to create a series of meetings to continue the “Addendum L” discussions, slated to begin in March.</p>		

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>03/10/22: ORP reported it expected to submit the remaining Addendum in March 2022.</p> <p>04/14/22: ORP is still working with its contractor to submit the remaining Addendum.</p> <p>05/12/22: ORP reported Ecology was working on a draft Addendum L, and when complete, the parties will meet to discuss.</p> <p>June/July 2022 meetings: There was no change in status.</p> <p>08/11/22: Ecology reported it had met with ORP contractor WRPS, and WRPS has agreed to provide Ecology with information needed to complete Addendum L.</p>		
3	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>	ORP	Open

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 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>		
4	TF-21-07-06 27 July 2021	ORP and Ecology to discuss and resolve concerns to reach an agreement on completing the SST Permitting Plan.	9/9/21: ORP stated it is targeting 9/16/21 for providing written comments to Ecology on the SST permitting plan comments it received from Ecology.	ORP	Open

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>10/14/21: ORP reported that comments were provided to Ecology on 9/17/21 and Ecology responses were provided on 10/13/21. Meeting is scheduled for 10/18/21 to discuss.</p> <p>11/18/21: Ecology reported a meeting was held on 10/18/21, but a subsequent meeting, scheduled for 11/01/21 was cancelled by ORP. Ecology stated it would not be open to another meeting and will be elevating this issue to its management.</p> <p>12/09/21: No change in status.</p> <p>03/10/22: The parties have met on this topic at management levels higher than the TPA Project Manager-level and will continue to meet.</p> <p>April through July 2022 meetings: There was no change in status. Discussions continue.</p> <p>08/11/22: Ecology reported it will be contacting ORP in the near future regarding a revision to the SST Permitting Plan.</p>		
5	TF-22-02-01 10 Feb. 2022	Ecology Requests Drywell Logs/Reports for Tank 241-TX-111	03/10/22: ORP reported that dry-well logs/reports were being compiled and forecasted delivering the requested reports to Ecology by the end of October 2022.	ORP	Open

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>May through August 2022 PM meetings: There was no change in status. ORP still forecasting end of October 2022 for delivery of the reports.</p>		
6	<p>TF-22-03-01 10 Mar. 2022</p>	<p>Ecology requests the Corrosion Susceptibility Assessment for Tank 241-AY-102, as well as information regarding waste constituents and volumes (including videos or other imaging)</p>	<p>04/14/22: ORP forecasted delivery of the information by mid-September 2022. Ecology also requested that a greater discussion on closure of 241-AY-102 also be added as a topic and that a meeting should occur on that subject. ORP agreed.</p> <p>06/09/22: There was no change in status.</p> <p>07/14/22: ORP reported that a meeting was held on 06/28/22 where ORP presented information to Ecology on the waste constituents and volumes of 241-AY-102 as recommended during the 4/14/22 PMM. Additional information is still required to close this action. A second meeting is planned.</p> <p>08/11/22: Second meeting still to be scheduled.</p> <p>08/17/22: WRPS sent TOC-RORI-22-051 (<i>Corrosion Susceptibility Assessment for 241-AY-102/Technical Evaluation for Out-of-Specification Waste in the AY-102 Annulus</i>) to Ecology. Ecology replied via email (J. Lyon to</p>	ORP	Closed

**ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting**

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			M. Lopez) on 08/18/22, stating the action could be closed.		

# ORP/Ecology TPA and CD Agreements, Issues, and Action Items – September 2022 Meeting

## WTP ACTIONS

(None currently)

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



Milestone	Primary, Secondary, or Other	Requesting Agency	Request Date	Document Number	Revision	Title	Comment	PMM Request Date
D-16B-02	Other	ECY	August 2022	RPP-RPT-62647	0	AX Farm and A Farm Third Retrieval Technology Chemical Dissolution Options Evaluation	a request from Ecology via a Review Comment Record (RCR) associated with their review of the AX-104 Practicability Evaluation to Forgo a Third Retrieval Technology	8-Sep-22
D-16B-02	Other	ECY	August 2022	RPP-RPT-63381	1	Solid Phase Characterization of Tank 241-AX-104	a request from Ecology via a Review Comment Record (RCR) associated with their review of the AX-104 Practicability Evaluation to Forgo a Third Retrieval Technology	8-Sep-22
D-16B-02	Other	ECY	August 2022	RPP-RPT-62998	0	Solid Phase Characterization Performed on Tank 241-AX-102	a request from Ecology via a Review Comment Record (RCR) associated with their review of the AX-104 Practicability Evaluation to Forgo a Third Retrieval Technology	8-Sep-22
D-16B-02	Other	ECY	August 2022	RPP-RPT-63577	0	Final Analytical Report for Tank Sampling and Analysis Plan for Residual Solid Waste in Tank 241-AX-104 2021-07 Sample Groups No.:20211920 & 20212779	a request from Ecology via a Review Comment Record (RCR) associated with their review of the AX-104 Practicability Evaluation to Forgo a Third Retrieval Technology	8-Sep-22



**Office of River Protection  
Quarterly TPA Milestone Review Meeting  
September 8, 2022**

**ATTENDEES**

Becky Blackwell, DOE-ORP  
Wahed Abdul, DOE-ORP  
Paul Schroder, DOE-ORP  
Paul Hernandez, DOE-ORP  
Richard Valle, DOE-ORP  
Chantal Martin, DOE-ORP  
Jim Greene, DOE-ORP  
Jeff Cheadle, DOE-ORP  
Larry Romine, DOE-ORP  
Erik Nelson, DOE-ORP  
Robin Varljen, DOE-RL  
Dawn MacDonald, DOE-ORP  
Maria Lopez, WRPS  
Holly Bowers, WRPS  
Michael Turner, HMIS  
Stephanie Brasher, HMIS

Eric Van Mason, HLMI  
Debra Alexander, Ecology  
David Bowen, Ecology  
Ambika Chakravartty, Ecology  
John Temple, Ecology  
Ed Holbrook, Ecology  
Dan McDonald, Ecology  
Jim Alzheimer, Ecology  
Andrew Pomiak, Ecology  
Jeff Lyon, Ecology  
Maria Skorska, Ecology  
Kyle Rucker, Ecology  
John Price, Ecology  
Beth Rochette, Ecology  
Jennifer Linville, Ecology  
Shelley Cimon, State of Oregon