

***Office of River Protection  
Tri-Party Agreement Project Managers Meeting  
Minutes***

August 11, 2022

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Meeting held virtually, via MS TEAMS

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

## CONCURRENCE SIGNATURES

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

 Digitally signed by PAUL SCHRODER  
Date: 2022.09.06 13:56:05 -07'00'

Paul Schroder, Project Manager  
DOE-ORP

Date: \_\_\_\_\_

 Digitally signed by JASON YOUNG  
Date: 2022.09.06 08:47:23 -07'00'


Jason Young, Project Manager  
DOE-ORP

Date: \_\_\_\_\_

 Digitally signed by WAHED ABDUL  
Date: 2022.09.14 13:52:09 -07'00'

Wahed Abdul, Project Manager  
DOE-ORP

Date: \_\_\_\_\_

 Digitally signed by Lyon, Jeffery (ECY)  
Date: 2022.09.14 14:31:37 -07'00'


Jeff Lyon, Project Manager  
Washington State Department of Ecology

Date: \_\_\_\_\_

 Digitally signed by McDonald, Dan (ECY)  
Date: 2022.09.14 14:40:37 -07'00'

Dan McDonald, Project Manager  
Washington State Department of Ecology

Date: \_\_\_\_\_

 Digitally signed by Temple, John (ECY)  
Date: 2022.09.19 09:06:35 -07'00'

John Temple, Project Manager  
Washington State Department of Ecology

Date: \_\_\_\_\_

 Digitally signed by Chakravartty, Ambika (ECY)  
Date: 2022.09.15 10:08:57 -07'00'

Ambika Chakravartty, 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

# OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT DECREE QUARTERLY MILESTONE REVIEW MEETING

## 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 Project Managers Meeting is scheduled for October 13, 2022. The next TPA ORP Quarterly Milestone Review Meeting is September 8, 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 June 1 – June 30, 2022, were entered into the Hanford Administrative Record on July 27 (TPA) and July 28 (CD), 2022.*

### 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 3-6 of the June 2022 ORP TPA Monthly Report). ORP noted that TPA Milestones M-045-15, M-045-15A, and M-045-15D (all related to retrieval of Tank 241-A-103) had been changed to To Be Missed in this reporting period.

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.

### 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 2022 Meeting.”

### **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 the briefing to the Tribes about a month prior to the briefing being scheduled. There was no further update provided at today’s meeting. *This action remains open.*

**Action No. 2 (TF-21-02-03):** The parties are still working on a draft addenda. Ecology reported it had met with ORP contractor WRPS, and WRPS has agreed to provide Ecology with information needed to complete Addendum L. *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 has provided ORP a number of potential dates in August 2022 for scheduling the next round of discussions. *This action remains open.*

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**Action No. 4 (TF-21-07-06):** Meetings continue between the parties at a management level higher than TPA Project Managers. Ecology reported it will be contacting ORP in the near future regarding a revision to the Single Shell Tank Permitting Plan. *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 reported it is still working with Ecology to schedule a second meeting on the Corrosion Susceptibility Assessment for Tank 241-AY-102. *This action remains open.*

## **Key Documents List:**

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

## **2.0 222-S LABORATORY**

\*Note: A detailed review of 222-S Laboratory activities is now being reported on a bi-monthly status, and consequently ORP referred to pages 5 and 6 of the June 2022 TPA Monthly Report (presented at the August 2022 meeting). The next detailed bi-monthly 222-S status meeting will occur in September 2022.

## **3.0 SYSTEM PLAN**

### **Significant Past Accomplishments**

- Nothing reported

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

- Nothing reported.

### **Issues/Other Items**

- ORP reported 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*”), Ecology must agree soon to the selected scenarios for the forthcoming System Plan 10. Ecology responded that it will be meeting with DOE August 12, 2022 to discuss the scenarios it intends to submit.

## **4.0 ACQUISITION OF NEW FACILITIES**

### **Significant Past Accomplishments**

- Nothing reported.

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

- Nothing reported.

# OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT DECREE QUARTERLY MILESTONE REVIEW MEETING

## Issues/Other Items

- Nothing reported.

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

### Significant Past Accomplishments

- Nothing reported.

### Significant Planned Actions in the Next Six Months

- Disposition Ecology comments and revise the combined DOE/ORP-2021-05 Work Plan for target Milestones M-062-51-T01 and M-062-52-T01.

## 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

- Nothing reported.

## Issues/Other Items

- Nothing reported.

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

### Significant Past Accomplishments

- Nothing Reported.

### Significant Planned Actions in the Next Six Months

- Complete first TSCR processing campaign. \*Note: ORP provided an update to note that TSCR had completed the first processing campaign and that it currently had approximately 400,000 gallons of TSCR-treated tank waste staged at Tank AP-106, with the goal being one million gallons.

## Issues/Other Items

- Nothing reported.

## **8.0 TEST BED INITIATIVE DEMONSTRATION**

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## **Significant Past Accomplishments**

- The US Nuclear Regulatory Commission (NRC) presented the conclusion of their technical evaluation for the Draft Waste Incidental to Reprocessing (WIR) Evaluation on June 30, 2021. Formal transmittal of an NRC technical evaluation report is forthcoming.

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

- Receive the NRC technical evaluation report based on NRC technical review of the Draft WIR Evaluation. Comment dispositions will be included as part of the Final WIR Evaluation. \*Note: ORP provided an update, reporting that it had received the NRC's technical evaluation report and it was working to incorporate recommendations from the NRC into its Final WIR Evaluation. Ecology asked that the NRC's technical evaluation report be shared. ORP provided a link to the report, which can be found on the Hanford.gov public website.

## **Issues/Other Items**

- Nothing reported.

## **9.0 242-A EVAPORATOR STATUS**

### **Significant Past Accomplishments**

- Completed pipe in pipe installation in AW Tank Farm for 242-A Evaporator slurry and feed pipe in pipe transfer line replacement.

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

- Nothing reported.

### **Issues/Other Items**

- Nothing reported.

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

### **Significant Past Accomplishments**

- Initiated fieldwork activities for the ETF redundant filtration system upgrade (e.g., mechanical and electrical demolitions). ORP thanked Ecology for its assistance in approving a needed permit modification to allow the project to move forward.

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

- Disposition Ecology comments and revise the combined DOE/ORP-2021-05 Work Plan for target Milestones M-062-51-T01 and M-062-52-T01. The current TPA due date for ORP to respond to Ecology's comments is September 1, 2022.

### **LERF Volumes**

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



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## **Issues/Other Items**

- ORP thanked Ecology for its assistance in quickly processing a Temporary Authorization for the Brine and Distillate projects to move forward.

## **11.0 TANK SYSTEM UPDATE**

### **11.1 Double-Shell Tank Integrity**

## **Significant Past Accomplishments**

- Nothing reported.

## **Significant Planned Actions**

- Complete ultrasonic testing inspections at Tank 241-SY-101. \*Note: ORP reported this was completed in July 2022, not the originally forecasted June 2022.

## **Ultrasonic Testing Report Status**

- Nothing reported.

## **Issues/Other Items**

- Nothing reported.

### **11.2 Single-Shell Tank Integrity**

## **Significant Past Accomplishments**

- Nothing reported.

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

- Complete SST visual inspection at Tanks 241-C-102.
- Complete 90-day follow-up visual and laser inspection at Tank 241-SX-111 in August 2022.

## **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 June 2022 TPA Monthly Report for details.

### **12.2 Tank Sampling**

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## **Significant Past Accomplishments**

For June 2022, the following tank sampling was conducted:

- Completed sampling (both grab and core sampling) of Tank 241-AW-105

## **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.

## **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**

- Completed liner and manifold installation for construction of the U Tank Farm interim surface barrier evapotranspiration basin in support of Milestone M-045-92AB. Installation of the evapotranspiration basin stormwater system is 50 percent complete. \*Note: ORP provided an update, that as of today's meeting the basin stormwater system is now at 68% complete.
- Met with Ecology on June 16, 2022, to partially fulfill Milestone M-045-56R. An additional meeting has been scheduled for July 5, 2022, to discuss remaining agenda items and complete the milestone. \*Note: ORP provided an update to report that the July 5, 2022 meeting was held.

## **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. \*Note: ORP provided an update, reporting that the work plan was complete and was currently undergoing the public clearance process before being formally transmitted to Ecology.

## **Issues/Other Items**

- Nothing reported.

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## 14.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

### Significant Past Accomplishments

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pgs. 8-9).

### Significant Planned Activities in the Next Six Months

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pgs. 8-9).

### Issues

Refer to the Consent Decree portion of these meeting minutes (Section 2.0, pgs. 8-9).

## 15.0 TANK OPERATIONS PROJECT SCHEDULE AND COST VARIANCE PERFORMANCE

### Base Operations:

The May 2022 variances below do not impact TPA milestones. \*Note: the cost and schedule variances are one month behind the reporting in the rest of the June 2022 TPA Monthly Report.

The current month favorable schedule variance of \$0.7M was due in part to:

- ETF Basin 41 Installation schedule recovery.

The current month favorable cost variance of \$4.3M was due in part to:

- Production Operations and Environmental Safety, Health, and Quality labor efficiencies.
- AP-105 Transfer Pump Replacement design efficiencies.

### Waste Feed Delivery/Treatment:

The May 2022 variances below do not impact TPA milestones. \*Note: the cost and schedule variances are one month behind the reporting in the rest of the June 2022 TPA Monthly Report.

The current month favorable schedule variance of \$120,372k is below reportable thresholds.

The current month favorable cost variance of \$212,952k was primarily due to:

- Pacific Northwest National Laboratory subcontract labor efficiencies.

### Treat Waste:

The May 2022 variances below do not impact TPA milestones. \*Note: the cost and schedule variances are one month behind the reporting in the rest of the June 2022 TPA Monthly Report.

The current month favorable schedule variance of \$13,068k is below reportable thresholds.

The current month unfavorable cost variance of (\$184,168k) is below reportable thresholds.

## 1.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS

### Consent Decree Milestones

ORP TPA Project Managers Meeting Minutes  
August 18, 2022

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

ORP reported Consent Decree milestones now have new due dates assigned to them after a calculation was applied (D-16B-03 and D-16B-02 were highlighted). The new due dates were applied in response to the Hanford Site's reduced on-site staff during the Covid-19 Pandemic and the related supply chain issues. The pandemic resulted in a "force majeure" event, and a motion to amend the CD filed jointly by the US Department of Energy and the State of Washington. The motion included a day-slippage calculation to be applied when the site returned to its full posture. That calculation has been approved by the US Department of Justice. ORP reported that the new due dates will appear in next month's reporting. ORP also noted that while the site has returned to near pre-pandemic staffing levels, pandemic-related supply chain issues continue to impact schedule.

## **Consent Decree Issues and Action Items**

For reference, see attached "ORP/Ecology TPA and CD Agreements, Issues and Action Items August 2022 Meeting."

### **Issues:**

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 \$0.10 million – primarily due to Installation Hose-in-Hose Transfer Line (HIHTL) from A Tank Farm to AP Tank Farm continuing ahead of schedule.
- ORP reported a favorable cost variance of \$1.65 million – primarily due to continued efficiencies realized during installation of the A Tank Farm to AP Tank Farm HIHTL by reusing previous AY Tank Farm route, continued labor efficiencies resulting from less than planned staffing levels for construction management, work package development, and engineering support.

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

- Completed Tank AX-103 post retrieval residual waste volume measurements.

### **On-Going Activities**

- Continued preparation for Tank 241-AX-103 post retrieval residual waste sampling.
- Continued Tank AX-101 retrieval equipment installation.

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

ORP TPA Project Managers Meeting Minutes  
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- Complete Tank AX-103 post retrieval residual waste sampling
- Complete Tank AX-101 D-Pit Extended Reach Sluicer System (ERSS) installation.  
\*Note: ORP provided an update, reporting that as of today's meeting, all ERSSs had been installed and slurry pump installation is forecasted for completion at the end of August or early September 2022.
- Complete Tank A-103 A-Pit clean out and debris removal in preparation for new retrieval equipment installation.

## **Issues/Other Items**

- ORP reported that the installation of some needed electrical racks at Tank A-106 are being impacted by COVID-related supply chain issues, and though the installation is now two months behind schedule ORP sees no major impacts from that schedule loss.

## **3.0 TANK WASTE RETRIEVAL WORK PLAN STATUS**

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

- Nothing reported.

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

- Nothing reported.

## **Issues/Other Items**

- Nothing reported.

## **4.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT**

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

ORP reported an unfavorable schedule variance of approximately (\$3.5M), 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 (\$9.9.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.

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- 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.

## 5.0 PRETREATMENT FACILITY

### Project Schedule and Cost Variance Performance

- Nothing reported.

### Significant Accomplishments during the Prior Month

- Nothing reported.

### Ongoing Activities:

- Continued to manage suspended plant equipment purchase orders to reduce storage and suspension costs and evaluate ways to reduce procurement liability
- 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

- Nothing reported.

### Significant Accomplishments during the Prior Month

- Completed replanning of HLW Facility design, procurement and construction for Fiscal Year 2022 to accommodate the approved increased funding for Fiscal Year 2022.
- Initiated 90 percent design review of the high-pressure steam, low-pressure steam, and steam condensate water systems.

### Ongoing Activities:

- Continued to advance system designs and hazard analysis for key mechanical and process systems.
- Continued to upgrade melter structural design and incorporate potential design modifications – these potential design changes include using water cooling instead of air cooling.
- Continued to evaluate flowsheet and waste feed vector requirements associated with HLW feed alternatives.

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- Continued to manage suspended plant equipment purchase orders to reduce storage and suspension costs and to evaluate ways to reduce procurement liability.
- Continued to implement asset maintenance at the HLW Facility to protect equipment and structures and to ensure design documents are maintained.
- Continuing work on Preliminary Documented Safety Analysis for HLW Facility, Rev. 11.
- Continuing work on enclosing the facility.

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

- Complete the 90 percent system design review of the high-pressure steam, low-pressure steam, and steam condensate water systems. Note: ORP provided an update, reporting that the 90 percent design review was completed.
- DOE approval of the Safety Strategy Summary Document addressing the revised Ashfall criteria for the HLW Facility. Note: ORP provided an update, reporting that the document had been approved.

### **Issues/Other Items**

- ORP reported it continues to evaluate the option of Direct-Feed High Level Waste design/scenario.
- ORP reported it continues to face challenges acquiring needed staff as planning for Fiscal Year 2023 continues.

## 7.0 LOW-ACTIVITY WASTE FACILITY

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

- Nothing reported.

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

- Completed the design for an alternate glass former feed capability directly to LAW Facility using a pre-mixed glass former recipe.

### **On-Going Activities**

- Continued commissioning activities for the LAW Facility auto-sampling system
- Continued testing and tuning for LAW Facility lifting and handling systems.

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

- Complete installation and initial testing for the alternate glass former feed capability equipment in the LAW Facility.

### **Issues/Other Items**

- ORP reported it continues to encounter issues with the glass former system. In response, ORP continues to work with an independent contractor who has offered a series of recommendations to deal with the issues.
- ORP continues to plan for the use of tanker trucks to provide pre-staged waste at the Tank Farms directly to the LAW Facility. This will allow a much more consistent and

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predictable batches of waste. ORP also reported, however, that this would not be a permanent option. (See also, “Significant Accomplishments” on pg. 11.)

- The LAW Facility testing was temporarily halted due to the Plant Cooling Water System outage.
- Ecology inquired about the Melter 1 “punch list” status. ORP reported the punch list now sat at 30 items, down from an initial 77 items.
- ORP reported it is no longer on a “sequential commissioning” schedule, and though this may impact some internal contractual milestones, no Consent Decree milestones are currently in jeopardy.
- Ecology asked if the changes to the glass former reagent system will be built robustly enough to last for the long-term if the process proves successful. ORP replied that they would, and that the equipment is permanently installed.

## 8.0 BALANCE OF FACILITIES

### Project Schedule and Cost Variance Performance

- Nothing reported.

### Significant Accomplishments during the Prior Month

- Completed post maintenance testing of plant cooling water (PCW) pump 5B.
- Removed PCW pump 5C and initiated refurbishment at the vendor facility.
- Completed a subject matter expert review of the PCW system to identify the causes of PCW pump failures and reduced system performance.
- Completed cooling tower basin modifications to support improved PCW pump Performance.
- Completed significant BOF electrical switchgear planned maintenance.
- Completed refurbishment of PCW pump 5A.
- Completed the reinstallation and testing of PCW pumps.
- Completed the transfer of 25,000 lbs. of silica from the BOF glass former system to the LAW Facility.

### On-going Activities:

- Nothing reported.

### Significant Planned Activities in the Next Month

- Resume testing and tuning of BOF systems temporarily shut down during the PCW system outage.

### Issues/Other Items

- ORP reported the particular problem with the glass formers are not a system-wide issue, but more with individual silos and getting the right amount of material in the blending hopper.

## 9.0 ANALYTICAL LABORATORY



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

- Nothing reported.

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

- Nothing reported.

## **Ongoing Activities:**

- Continued to focus on LAB workflow improvement.
- Continued recruiting, hiring, and training personnel for LAB operations.
- Continued preparation for open-source methods validation testing.

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

- Resume testing and tuning of LAB ventilation systems and fume hoods.

## **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, 2022

*August 11, 2022*

## Agenda

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

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 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 – August 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> <li>5/13/21: ORP to forward e-mails to Ecology for review about dry run concerns.</li> <li>7/8/21: ORP stated it was waiting for a proposed date for the public meeting before scheduling the dry run.</li> <li>8/12/21: ORP noted it was still working to address Ecology comments on the Baseline Risk</li> </ul>		

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 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 – August 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>07/14/22: <i>There was no change in status.</i></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 – August 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 – August 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>07/14/22: There was no change in status.</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> <p>01/13/22: The parties have met, but an additional meeting is needed prior to closing this action.</p> <p>02/10/22: Meeting is scheduled for 02/14/22.</p> <p>03/10/22: No change in status. Ecology requested a follow-up meeting.</p>	ORP	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>04/14/22: Ecology and ORP have met to discuss, and a Review Comment Record (RCR) has been established and is being worked on by ORP.</p> <p>05/12/22: ORP reported that discussions continue between the parties on resolving Ecology's comments.</p> <p>06/09/22: There was no change in status.</p> <p>07/14/22: There was no change in status. Discussions between the parties continue.</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.	<p>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.</p> <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</p>	ORP	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			<p>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>04/14/22 through 06/09/22: There was no change in status.</p> <p>07/14/22: There was no change in status. Discussions continue.</p>		
5	TF-22-02-01 10 Feb. 2022	Ecology Requests Drywell Logs/Reports for Tank 241-TX-111	<p>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.</p> <p>05/12/22 through 06/09/22: There was no change in status.</p> <p>07/14/22: There was no change in status. ORP still forecasting end of October for delivery of the reports.</p>	ORP	Open
6	TF-22-03-01 10 Mar. 2022	Ecology requests the Corrosion Susceptibility Assessment for Tank 241-AY-102, as well as information regarding waste	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	ORP	Open

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

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		constituents and volumes (including videos or other imaging)	<p>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>		
7	TF-22-04-02 14 Apr 2022	Ecology (D. McDonald) requests a briefing from ORP to discuss observations and lessons learned from the first change-out and reconnection of the TSCR Ion-Exchange Columns.	<p>06/09/22: ORP reported it is working on a briefing for Ecology.</p> <p>07/14/22: ORP reported that a briefing had been developed and a meeting would be scheduled, pending ORP receiving Ecology’s list of attendees for the briefing.</p> <p>08/02/22: ORP provided the TSCR lessons-learned briefing to Ecology on 07/27/22. Ecology agreed the action could be closed (D. McDonald email to M. Turner on 08/02/22).</p>	<p>ORP</p> <p>(Ecology – provide list of attendees to ORP)</p>	Closed

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

**WTP ACTIONS**

**(None currently)**

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

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

<b>Milestone</b>	<b>Primary, Secondary, or Other</b>	<b>Requesting Agency</b>	<b>Request Date</b>	<b>Document Number</b>	<b>Revision</b>	<b>Title</b>	<b>Comment</b>	<b>PMM Request Date</b>
NA	NA	DOE	July 2022	RPP-IQRPE-50047	0	IQRPE Design Assessment Report for AY-02A Bypass	Document is being used to support AY-102 Closure Discussions	12-Aug-22
NA	NA	DOE	July 2022	RPP-IQRPE-50046	0	IQRPE Inspection Plan for AY-02A Bypass Transfer Line Installation Project	Document is being used to support AY-102 Closure Discussions	12-Aug-22
NA	Primary	ECY	July 2022	RPP-RPT-59390	2	Tier 3 Resource Conservation and Recovery Act (RCRA) Component Closure Activity Plan for 241-C-200 Series Tanks	Document was requested by Jenifer Linville of Ecology through HMIS	12-Aug-22
NA	Primary	ECY	July 2022	RPP-PLAN-63246	1	Tier 3 Resource Conservation and Recovery Act (RCRA) Component Closure Activity Plan for the 241-C-107 through 241-C-112 Tanks	Document was requested by Jenifer Linville of Ecology through HMIS	12-Aug-22
NA	Primary	ECY	July 2022	RPP-PLAN-63990	0	Tier 3 Resource Conservation and Recovery Act (RCRA) Component Closure Activity Plan for the 241-C-101 through 241-C-106 Tanks	Document was requested by Jenifer Linville of Ecology through HMIS	12-Aug-22
NA	NA	DOE	July 2022	RPP-IQRPE-50048	0	IQRPE Installation Assessment Report for AY-02A Bypass	Document is being used to support AY-102 Closure Discussions	12-Aug-22

**TPA Change Notices**

Milestone	CN No.	Document Number	Revision	Document Title	Description of Change	Comment	CN Status	CN Document Date	DOE CN Signature Date	ECY CN Signature Date	CN AR Link	CN Approved/Disapproved/Cancelled
M-042-10	TPA-CN- 1111	RPP-12711	7E	Temporary Waste Transfer Line Management Program Plan	Delete 42 already removed HIHTLs from Table B-1	None	completed	5/2/2022	5/25/2022	7/11/2022	<a href="#">AR-20648</a>	Approved
M-023-23	TPA-CN-940	RPP-9937	5	Single Shell Tank System Leak Detection and Monitoring Functions and Requirements Document	Primary monitoring device change for tanks 241-BX-109, 241-TX-104, and 241-SX-106 and update Table A-3 DCRT titles	Changes were discussed in the annual RPP-9937 meeting held in April 2022.	completed	5/25/2022	5/31/2022	7/11/2022	TBD	Approved

**Office of River Protection**  
**Monthly TPA Project Managers Meeting Minutes**  
**August 11, 2022**

**ATTENDEES**

Craig Whiteley, DOE-ORP  
Wahed Abdul, DOE-ORP  
Jason Young, DOE-ORP  
Paul Hernandez, DOE-ORP  
Richard Valle, DOE-ORP  
Chantal Martin, DOE-ORP  
Jim Greene, DOE-ORP  
Jeff Cheadle, DOE-ORP  
Erik Nelson, DOE-ORP  
Larry Romine, DOE-ORP  
Dawn McDonald, DOE-ORP  
Craig Whiteley, DOE-ORP  
Robin Varljen, DOE-RL  
Maria Lopez, WRPS  
Holly Bowers, WRPS

Michael Turner, HMIS  
Stephanie Brasher, HMIS  
Eric Van Mason, HLMI  
Debra Alexander, Ecology  
Ed Holbrook, Ecology  
John Temple, Ecology  
Jeff Lyon, Ecology  
Jackson Davis, Ecology  
Dan McDonald, Ecology  
Andrew Pomiak, Ecology  
Beth Rochette, Ecology  
Kyle Rucker, Ecology  
Jennifer Linville, Ecology  
Shelley Cimon, State of Oregon