

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

September 5, 2019

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2440 Stevens Center  
Richland, Washington

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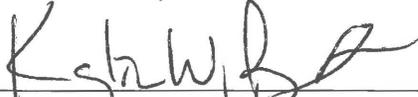
**CONCURRENCE SIGNATURES**

The undersigned TPA Project Managers (or their delegates) indicate by their signatures that these meeting minutes reflect the actual occurrences of the above-dated Tri-Party Agreement Project Managers' Meeting.



Wahed Abdul, DOE-ORP

Date: 10/23/19



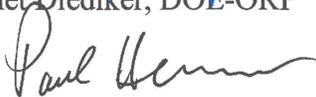
Kaylin Burnett, DOE-ORP

Date: 10/29/19



Janet Diediker, DOE-ORP

Date: 10/29/19



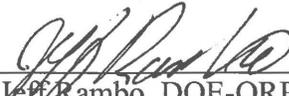
Paul Hernandez, DOE-ORP

Date: 10/30/19



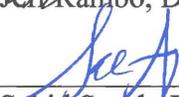
Rod Lobos, DOE-ORP

Date: 11-5-19



Jeff Rambo, DOE-ORP

Date: 10/30/2019



Sahid Smith, DOE-ORP

Date: 10/31/2019



Dustin Stewart, DOE-ORP

Date: 11/5/19

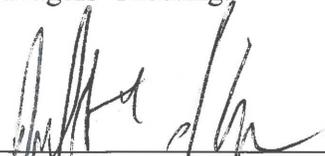


Richard Valle, DOE-ORP

Date: 11/01/2019

**CONCURRENCE SIGNATURES (continued)**

The undersigned TPA Project Managers (or their delegates) indicate by their signatures that these meeting minutes reflect the actual occurrences of the above-dated Tri-Party Agreement Project Managers' Meeting.

  
\_\_\_\_\_  
Jeff Lyon, Project Manager  
Washington State Department of Ecology

Date: 11/13/19

  
\_\_\_\_\_  
Dan McDonald, Project Manager  
Washington State Department of Ecology

Date: 11-12-19

  
\_\_\_\_\_  
John Temple, Project Manager  
Washington State Department of Ecology

Date: 11/7/19

## TERMS

BBI	Best Basis Inventory
BOF	Balance of Facilities
CD	Consent Decree
CD-3B	critical decision
CERCLA	<i>Comprehensive Environmental Response, Compensation and Liability Act</i>
DFLAW	direct feed low-activity waste
DOE	U. S. Department of Energy
DST	double-shell tank
Ecology	Washington State Department of Ecology
EIS	Environmental Impact Statement
EM-1	DOE Office of Environmental Management, Assistant Secretary
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
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
POC	Point of contact
PT	Pretreatment
RAD	Radiation absorbed dose
RCRA	<i>Resource Conservation and Recovery Act</i>
SST	single-shell tank
TC&WM	Tank Closure and Waste Management
TPA	Tri-Party Agreement
TSCR	tank-side cesium removal
TWRWP	tank waste retrieval work plan
UT	Ultrasonic Test
WMA-C	Waste Management Area C
WRPS	Washington River Protection Solutions LLC
WTP	Waste Treatment and Immobilization Plant

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# TRI-PARTY AGREEMENT MONTHLY REPORT

## 1.0 ADMINISTRATIVE ITEMS/MILESTONE STATUS

### Upcoming Meetings

The next U.S. Department of Energy-Office of River Protection (ORP) Tri-Party Agreement Project Managers' meeting is scheduled for October 3, 2019, at 2440 Stevens Center.

### 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, 2019, were entered into the Administrative Record on August 22, 2019.*

### Tri-Party Agreement Milestone Status

ORP stated all Tri-Party Agreement (TPA) milestones reported on were either, Complete, On Schedule or In Dispute resolution (for details on specific milestones, see pages 3-5 of the July 2019 ORP TPA Monthly Report).

### Tri-Party Agreement Issues and Action Items

For reference, see attached, "ORP/Ecology TPA and CD Agreements, Issues and Action Items – September 2019 Meeting."

**Action No. 1 (TF-16-11-04):** ORP noted there was no change in status. Action remains On Hold.

**Action No. 2 (TF-18-07-01):** This action was closed August 1, 2019.

**Action No. 3 (TF-18-10-01):** ORP noted there was no change in status. Action remains Open.

**Action No. 4 (TF-18-10-02):** ORP stated it had responded to Ecology via email to address this action, which involves TPA Appendix H and the Integrated Performance Assessment for WMA-C. ORP believes its response should close this action, but Ecology Project Manager was not present to confirm. Action remains Open.

**Action No. 5 (TF-19-04-01):** ORP stated the list of Inactive Miscellaneous Underground Storage Tanks was provided in previous month's TPA report and the action could be closed (see page 16 of the TPA Report). The action was closed August 1, 2019.

**Action No. 6 (TF-19-04-02):** ORP noted the reports were sent to Ecology and this action could be closed. The action was closed August 1, 2019.

**Action No. 7 (TF-19-04-03):** ORP stated that both Ecology and ORP have attempted to reach out to the U.S. Environmental Protection Agency (EPA) for engagement and will continue trying. Ecology stated an email was sent from Ecology, addressed to EPA on July 30, 2019, subject: A request and follow up regarding Single-Shell Tank (SST) Performance Assessment and SST Closure. Ecology also stated, because EPA had yet to respond to the email, Ecology

# TRI-PARTY AGREEMENT MONTHLY REPORT

wanted the email added as part of the TPA record, which was attached to the August 1, ORP Project Manager Meeting minutes. Action remains open.

## 2.0 SYSTEM PLAN

ORP reported that the System Plan 8 milestones still show an "In Dispute" status, however, Ecology is drafting a fact sheet to document the results of the concluded System Plan 8 negotiations. The fact sheet will note new milestones and address other the System Plan 8-related milestones, long held "In Abeyance". ORP mentioned that, related to the conclusion of the System Plan 8 negotiations, there has been recent correspondence between Ecology and ORP about potentially entering into "holistic" discussions on the future of Hanford's tank waste mission. A decision of whether those talks take place is expected by September 11, 2019. The new milestones agreed to, however, are reflected in this month's TPA report.

## 3.0 ACQUISITION OF NEW FACILITIES

ORP reported no changes in this area, except for pending changes to the status of System Plan 8-related milestones, and the addition of newly created milestones in the Low-Activity Waste Pretreatment System, also related to the recently concluded System Plan 8 negotiations.

## 4.0 SUPPLEMENTAL TREATMENT AND PART B PERMIT APPLICATIONS

ORP reported there has been no change in this activity; however, these milestones will be updated next month with the results of the System Plan 8 negotiations. For now, all milestones continue to be statused as In Dispute.

## 5.0 LOW-ACTIVITY WASTE PRETREATMENT SYSTEM

ORP reported no changes in this area, except for pending changes to the status of System Plan 8-related milestones, and the addition of the newly created milestone (M-062-50) in the Low-Activity Waste Pretreatment System, also related to the recently concluded System Plan 8 negotiations.

## 6.0 TANK-SIDE CESIUM REMOVAL SYSTEM

ORP reported the project is focused on the Tank Side Removal System (TSCR) fabrication and permitting activities, specifically, related to permitting of the Ion-Exchange Pad. Ecology repeated a previous request to be involved in specific TSCR-related follow-up meetings (Action No. 3 [TF-18-10-01] in the Action-Items List).

## 7.0 242-A EVAPORATOR STATUS

ORP reported they performed and completed the EC-10 shortened campaign to keep staff proficient at the end of June 2019 and anticipate performing another shortened campaign in

## TRI-PARTY AGREEMENT MONTHLY REPORT

2020, however, this campaign will take place much earlier in the year than EC-10, probably March. This would be to avoid the construction and digging season. ORP also reported that successful leak testing was recently completed on the re-built PB-1 pump, that they expect the new PB-1 pump to arrive in the next six or so months, and that the bid for the PB-2 pump replacement has gone out. The new PB-2 pump gives the facility a redundant pump. ORP reported that they are at the 60% design phase for the transfer line replacement, which is scheduled for completion in April 2022.

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

ORP reported three new milestones now appearing in the Liquid Effluent Retention Facility (LERF)/Effluent Treatment Facility (ETF) section this month as a result of the recently concluded System Plan 8 negotiations. All of those milestones are reported as "On Schedule".

#### **Significant Past Accomplishments**

ORP reported LERF basin 42 volumes for the month ending July 2019 as 1.7 million gallons processed. ORP noted that once it meets its processing goal, it will initiate clean-out activities at ETF.

ORP reported that it has began mobilization and fieldwork preparations for repair of ETF verification Tank B.

ORP stated that it had received the material procurements for the peroxide decomposer vessel.

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

ORP will begin fieldwork to upgrade facility stairs and ladders to improve personnel safety and ergonomics, and should be completed by the end of September 2019.

ORP noted they added about 54 thousand gallons to Basin 42, but processed approximately nearly a half million gallons of waste during the reporting period. Those additions were from one tanker shipment of AZ-301 condensate and some mixed waste leachate tanker shipments of the miscellaneous waste streams.

#### **Issues/Other Items**

ORP reported that during the process of preparing for LERF Basin 44 cover replacement, the emergence of a solid was discovered. Studies are being done on the volume and constituents of the solid, with a white paper expected by the end of September 2019.

# TRI-PARTY AGREEMENT MONTHLY REPORT

## 9.0 TANK SYSTEM UPDATE

### 9.1 Double-Shell Tank Integrity

#### Significant Past Accomplishments

ORP reported the AY-101 comprehensive inspection was done, and the annulus inspection report is forthcoming. The ultrasonic testing (UT) inspections have been done on three tanks: 241-AP-106, 241-AP-107, 241-AP-108, and 241-AN-102 and air-slot inspections were done on 241-AP-106, 241-AP-108 and 241-AN-102. ORP also reported completion of the enhanced annulus visual inspections on all nine tanks for FY19. ORP also reported that the ultrasonic testing inspection was completed on tank 241-AP-102, but that would not show up until next month's report.

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

ORP noted the status of the following activities:

- Procure and design of the annulus floor cleaning technology to clean the annulus floor of Tank AY-101 is on schedule (expected in September 2019)
- Procure a design of a primary tank bottom volumetric inspection system is on schedule, to be deployed into the annulus double-shell tanks (DST) and used to characterize regions of the primary tank system bottom.
- Procure and install a retractable corrosion monitoring probe in Tank AY-101 by end of FY19.

### 9.2 Single-Shell Tank Integrity

#### Significant Past Accomplishments

ORP reported it had completed visual inspections for nine tanks in FY19: 241-B-102, 241-B-103, 241-BX-104, 241-B-110, 241-B-111, 241-B-112, 241-SX-114, 241-T-103, 241-T-202, 241-U-101, 241-U-106, and 241-U-109.

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

ORP reported visual inspections are planned for three tanks: 241-SX-115, 241-T-108 and 241-TY-106.

ORP plans to complete the TFC-ENG-CHEM-D-42, *Tank Leak Assessment Process* on tanks 241-T-101 (complete) and 241-T-103 (near complete).

Ecology asked ORP if it could be provided meeting notes from the Tank Integrity Expert Panel meeting in June 2019.

#### Issues/Other Items

ORP had no issues to report.

# TRI-PARTY AGREEMENT MONTHLY REPORT

## 9.3 Independent Qualified Registered Professional Engineer Activities

### Double-Shell Tank System

ORP noted no changes from last month's reporting - the inspection report was completed in 2016.

### Single-Shell Tank System

ORP noted no changes from last month's reporting - the inspection report was completed in 2018.

### 242-A Evaporator

ORP noted no changes from last month's reporting - the inspection report was completed in 2018.

### ETF

ORP stated they continue to work with the Independent Qualified Registered Professional Engineer (IQRPE) and are expecting a final report by the end of September 2019.

### 219-S Tank System

ORP stated fieldwork is continuing as is work on the accompanying report.

### Issues/Other Items

ORP noted no changes from last month's reporting.

## 10.0 IN-TANK CHARACTERIZATION AND SUMMARY

### 10.1 Reports Completed or Released

See page 19 of the July 2019 TPA monthly report for the full list.

### 10.2 Tank Sampling

#### Significant Past Accomplishments

ORP reported grab sampling was conducted on tanks 241-AW-102 (12 samples) and 241-AN-102 (seven samples) in July 2019.

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

ORP noted the core sampling of tank 241-AY-101 that was scheduled for August 11, 2019, was actually completed between August 8-20, 2019. ORP reported that staff worked around-the-clock to complete. ORP reported that core sampling of tank 241-AY-101 to assess interstitial liquid at the bottom of the tank. Ecology requested the results of those tests. ORP also reported sampling will be done on tank 241-A-104 in September 2019 and on tank 241-C-301 catch tank in October 2019.

### 10.3 Best-Basis Inventory Updates

#### Significant Past Accomplishments

ORP reported no best-basis inventories were completed in July.

# TRI-PARTY AGREEMENT MONTHLY REPORT

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

ORP reported that best-basis inventories were to be completed on tanks 241-AW-103, 241-AX-102, 241-TX-118 and 241-U-103 in August 2019.

## **11.0 SINGLE-SHELL TANK CLOSURE PROGRAM**

### **Milestone Update**

ORP noted that (seven) new milestones have been added to the report as a result of the recently concluded System Plan 8 negotiations.

### **Significant Past Accomplishments**

ORP reported that milestone M-045-56O (meet annually with Ecology) was met and that the meeting minutes were with Ecology for their review. Ecology noted that though the milestone calls for one meeting a year, it believes more meetings could be held to discuss further tank farm barrier locations. ORP responded that it believed further tank farm barriers were to be discussed in the upcoming “holistic” talks on Hanford’s tank waste mission between the state and the DOE.

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

ORP reported that it was still working on the Tier 1, 2, and 3 Closure Plans for Waste Management Area C, and was hoping to respond to Ecology’s comments on the Tier 3 Closure Plan shortly. ORP also noted that it was close to completing the final aspects of installing the surface barrier at tank farm 241-SX to complete milestone M-45-92V.

ORP reported it was nearing completion on the design for the next barrier at tank farm 241-TX (M-045-92W), but there was a small issue with moving some utility poles. ORP still expects to meet the milestone due date (10/31/19).

### **Issues**

ORP reported the dispute regarding the denial of request for waiver for TPA Waste Retrieval Criteria for SST 241-C-106 is currently with the Washington State Pollution Control Hearing Board (PCHB) for resolution.

## **12.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM**

ORP reported that work had begun on retrieval of tank 241-AX-102, and that work was being conducted on supplied air. ORP responded to Ecology’s question of whether headspace samples had been taken, saying they had.

ORP noted that a new milestone, M-045-93 (Submit Report for Removing Drainable Liquids from SSTs) was added to this month’s report as a result of the recent System Plan 8 negotiations. Ecology asked ORP when work is expected to begin on the new milestone, ORP replied it would begin by October 1, 2019.

# TRI-PARTY AGREEMENT MONTHLY REPORT

## **Significant Past Accomplishments**

Refer to the Consent Decree (page 8) section of these meeting minutes.

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

Refer to the Consent Decree (page 8) section of these meeting minutes.

## **Issues**

Refer to the Consent Decree (page 8) section of these meeting minutes.

## **13.0 TANK OPERATIONS CONTRACT OVERVIEW**

The earned value data can be viewed in the July 2019 ORP TPA Monthly Report on pages 26-34.

### **WBS 5.01 – Base Operations**

The earned value data can be viewed in the July 2019 ORP TPA Monthly Report on page 28-29.

### **WBS 5.02 – Retrieve and Close Single-Shell Tanks**

The earned value data can be viewed in the July 2019 ORP TPA Monthly Report on pages 30- 31.

### **WBS 5.03 – Waste Feed Delivery/Treatment Planning**

The earned value data can be viewed in the July 2019 ORP TPA Monthly Report on pages 32-33.

### **WBS 5.05 – Treat Waste**

The earned value data can be viewed in the July 2019 ORP TPA Monthly Report on pages 34-35.

## **Issues:**

ORP reported that it is still recovering from weather-related slowdowns from last winter, and that it had a significant carryover in funding. ORP noted that the carryover is not a “surplus” as it is allocated for work needing to be done to regain schedule. Ecology asked if ORP would be doing backlog work in concurrence with current work. ORP stated it would have to do work in sequence.

# CONSENT DECREE MONTHLY REPORT

## 1.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS

### Consent Decree Milestones

ORP reported all milestones are either On Schedule or Under Analysis (see pages 3-4 of the July 2019 ORP Consent Decree Monthly Report).

### Consent Decree Issues and Action Items

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

There were no actions items this month.

## 2.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

### Consent Decree Milestones

ORP noted the Consent Decree milestone D-16B-03 is on schedule, D-16-B-01 is complete, and D-16B-02 is under analysis.

### Significant Accomplishments during the Prior Month

See pages 6-7 of the July 2019 ORP Consent Decree Monthly Report.

### Ongoing Activities

See page 7 of the July 2019 ORP Consent Decree Monthly Report.

### Significant Planned Activities in the Next Month

See page 7 of the July 2019 ORP Consent Decree Monthly Report.

### Issues/Other Items

ORP noted the low flow rate on exhausters continue to impact work at the AX Tank Farm and will most likely impact further retrievals. Mandatory use of supplied air respirators is required when the AX Tank Farm exhausters are not operating or during retrieval operations.

The other issues can be viewed in the July 2019 ORP Consent Decree Monthly Report on pages 7-8.

## 3.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

### Significant Planned Activities in the Next Month

ORP reported that the modification to RPP-RPT-58933 to update schedule and vapor-monitoring sections was approved, which allowed retrieval activities in tank farm 241-AX-to begin.

### WBS 5.02, Retrieve and Close SST EVMS Data

The earned value data can be viewed in the July 2019 ORP Consent Decree Monthly Report on page 10.

# CONSENT DECREE MONTHLY REPORT

## 4.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

### Project Schedule and Cost Variance Performance

ORP reported for June 2019 (Earned Value Management Data is two months behind this report date), it had a net unfavorable schedule variance of \$11.2 million dollars, mostly driven by (Low Activity Waste Facility (LAW) construction and startup staff shortages. ORP reported another cause of unfavorable schedule variance was due to procurement challenges at the Effluent Management Facility (EMF). ORP reported an unfavorable cost variance of \$9.6 million dollars primarily because of labor charges from January adjusted to this reporting period for the Balance of Facilities (BOF); equipment or component testing failures at the LAW Facility; and piping issues at EMF.

ORP stated that its baseline for Direct Feed Low Activity Waste (DFLAW) would be shifting from January 2022 to October 2022.

The earned value data can be viewed in the July 2019 ORP Consent Decree Monthly Report on page 15.

## 5.0 PRETREATMENT FACILITY

ORP reported pretreatment (PT) completed the resolution of all technical issues (T1-T8) and it had sent letters to the Defense Nuclear Facilities Safety Board regarding resolution of the last two technical issues (T4 and T5).

ORP noted that a change in accounting for shared services shifting to individual facilities would show a cost anomaly, but ORP will be adding language to the next monthly report to explain.

The earned value data can be viewed in the July 2019 ORP Consent Decree Monthly Report on page 19.

## 6.0 HIGH-LEVEL WASTE FACILITY

ORP noted the RLD-7 and RLD-8 vessels are in the final stages of fabrication for expected delivery by the end of the calendar year 2019. ORP also reported that design review for RLD systems was at 60%.

ORP reported a problem with engineering on “spray rings” for RLD vessels fabrication, but there is a path forward and no compromise of the spray rings occurred.

ORP noted that there is an anticipated increase in staffing, taking the number of full-time staff up from the current level of about 150 to about 240 – mostly in the engineering field. ORP said it would closely monitor BNI’s skill mix of new-hires and those working on other projects.

## CONSENT DECREE MONTHLY REPORT

The earned value data can be viewed in the July 2019 ORP Consent Decree Monthly Report on page 22.

### 7.0 LOW-ACTIVITY WASTE FACILITY

ORP reported construction progress is limited, based on changes to the Design Safety Analysis (DSA). Notably, there was a change to the gas analyzer, making it “safety significant”.

ORP reported 78% of systems are turned over to the start-up organization, and 27% have been handed over to commissioning/Plant Management. Ecology asked if the change to the DSA would adversely impact commissioning of the plant, ORP replied that it would not.

The earned value data can be viewed in the July 2019 ORP Consent Decree Monthly Report on page 25.

### 8.0 BALANCE OF FACILITIES

ORP reported notable handover to Plant Management of the steam plant and the cooling tower. ORP also noted that the three DFLAW boiler were fired for the first time in August.

ORP stated that chillers needed to be recharged, but are functioning now.

ORP projected that the LAB would be functional by the end of the calendar year and that the steam plant would be operational this winter.

ORP highlighted all the general startup testing, including the ventilation, has been completed.

ORP reported that Ecology had toured the EMF and Ecology indicated they look at the progress being made in the EMF every other week.

Ecology asked ORP if the overtime being worked is going to continue. ORP responded saying it would most likely continue.

The earned value data can be viewed in the June 2019 ORP TPA Monthly Report on page 28.

### 9.0 OTHER ISSUES

Ecology brought up the need to have a unified response to the Design and Operability Report findings for public audiences such as the Hanford Advisory Board. ORP agreed and took an action to develop a briefing. The State of Oregon also asked to be involved.

### 10.0 ANALYTICAL LABORATORY

## CONSENT DECREE MONTHLY REPORT

ORP noted no changes from last month's reporting.

The earned value data can be viewed in the June 2019 ORP TPA Monthly Report on page 30.

## ORP/Ecology TPA and CD Agreements, Issues, and Action Items –September 2019 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.
3. Ecology and ORP have agreed to move the TPA/CD PMM meeting to the first Thursday of the month starting in January 2019. The TPA and CD monthly reports distribution will occur by the end of December via link to the Admin Record. This will be the format for report distribution and monthly meetings going forward for calendar year 2019.

### Issues:

1. Appendix H step 2b, has not been completed. USDOE have submitted Single-Shell Tank (SST) WMA (Waste Management Area)-C Closure Plans without any indication of the role and participation for Nuclear Regulatory Commission (NRC), or a plan for completing this step.
2. Appendix I – USDOE has presented an inaccurate process for closure of the Tank Farms, and of WMA-C. Appendix I has defined the expectations of the Tri-Parties, and a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) decision has not been an assumption from any of the Tri-Parties.
  - a. Appendix I, Section 3.1 states: “Ecology<sup>1</sup> is the lead regulatory agency responsible for the closure of the SST system. EPA<sup>2</sup> is the support regulatory agency providing oversight of the state’s authorized program.”; “The Parties’ expect that this Agreement Appendix I will incorporate Agreement Section 5.5 processes to provide a mechanism for avoiding duplicative regulation between Ecology and the EPA through the lead agency concept.”; “EPA will evaluate the need to provide additional comments based on its review of proposed modifications to WMA closure action plans, and issue additional comments to Ecology as necessary.”
  - b. Appendix I, Section 3.2 states: “A consistent groundwater monitoring, protection, and risk assessment methodology will also be realized through close integration of activities, as described in the Hanford Site Groundwater Strategy (DOE/RL-2002-59). Consistent application of the requirements of this Appendix I will serve to aid the Parties in ensuring cost effective and consistent cleanup on the Central Plateau.”
  - c. Section 5.5 of the TPA (Action Plan): “The information necessary for performing RCRA<sup>3</sup> closures/post-closures within an operable unit will be provided in various RFI<sup>4</sup>/CMS<sup>5</sup> documents. The initial work plan will contain a Sampling and Analysis Plan (SAP) for the associated RCRA units and it will outline the manner in which RCRA closure/post-closure plan requirements will be met in the work

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<sup>1</sup> Washington State Department of Ecology

<sup>2</sup> Environmental Protection Agency

<sup>3</sup> Resource Conservation & Recovery Act

<sup>4</sup> RCRA Facility Investigation

<sup>5</sup> Corrective Measure Study

## CONSENT DECREE MONTHLY REPORT

ORP noted no changes from last month's reporting.

The earned value data can be viewed in the June 2019 ORP TPA Monthly Report on page 30.

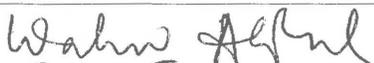
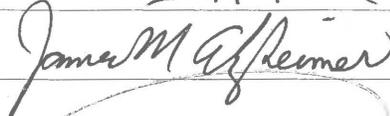
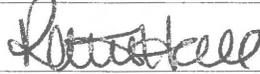
**ORP/Ecology TPA and CD Agreements, Issues, and Action Items –September 2019 Meeting**

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-16-11-04 11-17-16	ORP to provide Ecology the T-112 work plan	In legal review. (07/19/2018) No change (06/06/2019)	Dusty Stewart	On Hold
2	TF-18-07-01 07/19/18	Integrate the ground water modeling for WMA-C PA with BP-5 remedial design for pump and treat at WMA-C (Jeff Lyon)	Held several meetings with RL/ORP on this and other integration issues in July and August. RL has the lead for groundwater monitoring program. ORP proposes closing. (10/18/2018) Ecology wants clarification when BP-5 Interim Record of Decision (IROD) is expected to be issued and that there is action from RL to address technetium-99 contamination. Action item to remain open (10/18/2018) No change (01/03/2019)	Rod Lobos	Closed 8/1/19
3	TF-18-10-01 10/18/18	Follow up meetings for discussion and resolution of tank-side cesium removal (TSCR) related activities.	Schedule a meeting to further discuss concerns related to crystalline silicotitanate (CST) compatibility with HLW glass, long term storage, ion exchange column design, potential for resolution concepts ( in the early stage). ORP will schedule first meeting within the next couple of weeks. Additionally Ecology would like a invite to witness the tall column test. 4-4-19: ORP expects the meeting to occur prior to the end of April. Dan will provide list of Ecology names and available dates. The meeting should be scheduled for a couple of hours. Ecology would like clarification regarding the resin extracted from the column, which is purposed to be put in the high level waste stream. Currently there is no study to validated compatibility/treatment via HLW. Clarify disposition of the physical hardware. 30 May 2019: Meeting held on May 20 <sup>th</sup> . ORP recommends closing this action.	Sahid Smith	Open

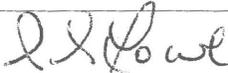
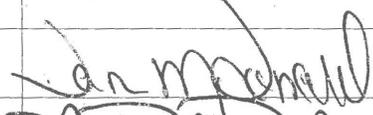
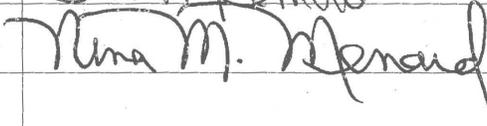
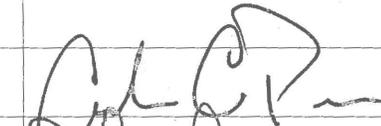
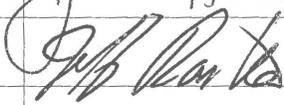
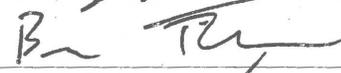
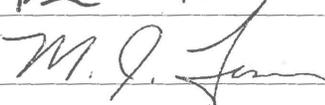
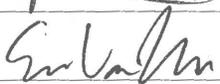
**ORP/Ecology TPA and CD Agreements, Issues, and Action Items –September 2019 Meeting**

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		Visual Inspections) Reports to Ecology (Steve Lowe)	6 June: Reports are not scheduled to be complete until the end of the fiscal year. Distribution expected in September 2019.		
7	TF-19-04-03	Demonstrate compliance with Appendix I for SST closure. (Jim Alzheimer)	Clarify how integration between RL and ORP is being coordinated for consistent action and compliance related to closure for CERCLA/RCRA and rad on similar type tanks. Clarify if this is captured in Tier 1, Tier 2 or Tier 3 closure plans. How are the separate closure documents providing compliance with Appendix I How is EPA involved?	Rod Lobos	Open

September 5, 2019  
Office of River Protection  
Tri Party Agreement Consent Decree Meeting

PRINT NAME	SIGN NAME	ORG
Abdul, Wahed		ORP
Alzheimer, Jim		ECY
Barnes, Mike		ECY
Beehler, Steve		ORP
Brasher, Stephanie		MSA
Burnett, Kaylin		ORP
Cameron, Craig		EPA
Carlson, Annette		ECY
Cimon, Shelley		OR State
Decker, Jay		ECY
Diediker, Janet		ORP
Evans, Rana		ORP
Fletcher, Tom		ORP
Gao, Tracy		ECY
Hall, Katie		ECY
Harkins, Brian		ORP
Hastings, Rob		ORP
Hernandez, Paul		ORP
Irwin, Mat		ORP
Johnson, Jeremy		ORP
Jones, Mandy		ECY
Joyner, Jessica		WRPS
Kemp, Christopher		ORP
Lobos, Rod		ORP

September 5, 2019  
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PRINT NAME	SIGN NAME	ORG
Lopez, Maria		WRPS
Lowe, Steven		ECY
Lucatero, Yoana		ECY
Lyon, Jeffery		ECY
McDonaid, Dan		ECY
Menard, Nina		ECY
Mulkey, Charles		WRPS
Parker, Dan		WRPS
Pfaff, Stephen H		ORP
Pomiak, Andrew		ECY
Price, John		ECY
Rambo, Jeffrey		ORP
Temple, John		ECY
Serafin, Shane		ORP
Skorska, Maria		ECY
Smith, Sahid		ORP
Stewart, Dustin		ORP
Trimberger, Bryan		ORP
Turner, Michael		MSA
Turner, Vanessa		ORP
Valle, Richard		ORP
Van Mason, Eric		WRPS
Walmsley, Mign		ECY
Wang, Oliver S		ECY

