

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

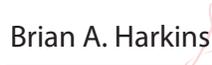
March 12, 2020

2440 Stevens Center
Richland, Washington

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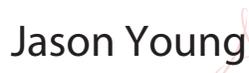
CONCURRENCE SIGNATURES

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.

 Digitally signed by Brian A. Harkins
Date: 2020.05.14 11:26:13 -07'00'

Brian Harkins, DOE-ORP

Date: _____

 Digitally signed by Jason Young
Date: 2020.05.28 08:54:21 -07'00'

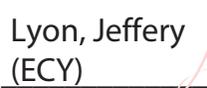
Jason Young, DOE-ORP

Date: _____

 Digitally signed by WAHED ABDUL
Date: 2020.07.27 14:40:45 -07'00'

Wahed Abdul, DOE-ORP

Date: _____

 Digitally signed by Lyon, Jeffery (ECY)
Date: 2020.08.05 14:04:39 -07'00'

Jeff Lyon, Project Manager
Washington State Department of Ecology

Date: _____



Digitally signed by Decker, Jay (ECY)
Date: 2020.08.05 12:55:52 -07'00'

(Jay Decker for) Dan McDonald, Project Manager
Washington State Department of Ecology

Date: _____



Digitally signed by Temple, John (ECY)
Date: 2020.07.27 16:03:14 -07'00'

John Temple, 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-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

OFFICE OF RIVER PROTECTION TRI-PARTY AGREEMENT/CONSENT DECREE MONTHLY PROJECT MANAGERS' 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 Project Managers' meeting is scheduled for April 9, 2020, 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 January 1- January 31, 2020, were entered into the Hanford Administrative Record on February 25, 2020.

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 December 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 – January 2020 Meeting."

Action No. 1 (TF-16-11-04): There was a lengthy discussion regarding the status of this action. ORP had submitted, some time ago, a plan to use active ventilation for tank 241-T-112, which was subsequently rejected by Ecology. ORP questioned, after the action has now been open for more than 3 years, what the status of the deliverable was to Ecology. Ecology noted that due to the length of time the action was open and (to them) no traceable timeline existing in meeting minutes, it would tentatively agree to close the item. Ecology then proposed meeting minutes be taken real-time during the Project Managers' meeting to make sure all actions or commitments were captured and agreed upon. ORP countered that due to lack of resources and the impact on the length of the meetings, it was unwilling to support that proposal. ORP stated further that the current meeting minutes format and process met the intent of the TPA, and if Ecology had concerns or questions concerning ORP TPA milestone progress or any other commitments, formal correspondence would be the preferred method of notification. Ecology said it would consider closing the action at the next Project Managers' meeting, but wanted it entered into the record that Ecology did receive a work plan to evaporate 241-T-112 and ORP elected not to evaporate 241-T-112. ORP added that evaporation of 241-T-112 using the ventilation system had been halted because, in its understanding, Ecology determined it would require a permit for treatment, which would be counted as a treatment technology and would be an extensive process. *. The action remains open.*

Action No. 2 (TF-18-10-01): Ecology acknowledged it had been extended an invitation to the factory acceptance testing (FAT); however, Ecology is still awaiting the FAT plan. *The action remains open.*

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Action No. 3 (TF-18-10-02): Ecology agreed to close this action; however, it wanted to open a new action to clarify what the next steps are in understanding and coming to a mutual agreement on what the WMA-C/SST closure process entails. Ecology agreed to take the new action. *Action remains closed, but Ecology is looking for an e-mail from 2018 or 2019 before it can provide ORP with the new action.*

Action No. 4 (TF-20-01-01): ORP did not have a status update. *The action remains open.*

Action No. 5 (TF-20-01-02): ORP believed the meeting had either been scheduled or would be scheduled soon to discuss the permit application for AP Tank Farm modifications to support the Tank-side Cesium Removal System. *The action remains open.*

Action No. 6 (TF-20-01-03): Ecology agreed to close this action based on a meeting held to discuss iodine produced in the Direct Feed Low Activity Waste process, but Ecology wanted a follow-on action to receive a further briefing from ORP's "Fix It Now" team. *The action remains open.* (Note: see pages 17-18 of these minutes for more on this subject.)

Action No. 7 (TF-20-01-04): ORP noted that the DST integrity testing/inspection reports were added to the TPA monthly report last month. *The action is closed.*

Action No. 8 (TF-20-02-01): Ecology acknowledged that it had received a walk-down of the Tank-side Cesium Removal System (TSCR) but some staff still wanted to view it, though an operational simulation was not necessary. The Ecology staff would accept just seeing the TSCR "box". *The action remains open.*

Action No. 9 (TF-20-02-02): ORP reported it would check to see if the AP-106 Repurposing Report had been issued to Ecology. *The action remains open.*

2.0 SYSTEM PLAN

ORP reported the System Plan 9 report had been submitted to Ecology in September 2019, and Ecology had concurred with the selected scenarios. Discussions on the scenarios continue between ORP and Ecology. Under "Issues," ORP noted that TPA negotiations on System Plan 8 had ended. Remaining topics and/or disputed milestones associated with the System Plan 8 may be discussed in the "Holistic Negotiations" between DOE and the State of Washington; however, the topics of the Holistic Negotiations had yet to be finalized by the parties.

3.0 ACQUISITION OF NEW FACILITIES

ORP reported no change in this activity.

4.0 SUPPLEMENTAL TREATMENT AND PART B PERMIT APPLICATIONS

ORP reported no change in this activity.

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5.0 LOW-ACTIVITY WASTE PRETREATMENT SYSTEM

ORP reported no change in this activity.

6.0 TANK-SIDE CESIUM REMOVAL SYSTEM

Significant Past Accomplishments

ORP reported that the tank-side cesium removal (TSCR) system fabrication was completed in December 2019.

Significant Planned Actions in the Next Six Months

ORP reported that the TSCR system fabricated equipment has been shipped to Richland from South Carolina and expects FAT to be completed in the first quarter of calendar year 2020.

Issues/Other Items

ORP cited the ongoing issue of the Hanford Ambient Air Boundary and its potential impact on TSCR permitting for air emissions (which will be vented to the AP Tank Farm). ORP reported that it had proposed a path forward to Ecology, but Ecology was not in complete agreement with the proposal. The two sides continue to talk. ORP also noted that it was informed on January 29, 2020, that Ecology was not going to issue the agreed upon temporary authorizations to allow pouring of the concrete pad for the tank-side cesium removal unit, the ion exchange column storage pad, and installation of the transfer lines until the draft Resource Conservation and Recovery Act permit was completed. This has the potential to impact the project schedule by up to 4 months and several million dollars in cost. However, ORP did note that a meeting had been scheduled with Ecology to discuss.

7.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments

ORP reported it had replaced flow transmitter FT-CA1-1, completed design for replacement of the instrument air dryer, received the new instrument air dryer, completed the 60 percent design for transfer line replacement, and awarded the instrument air dryer construction contract.

Significant Planned Actions in the Next Six Months

ORP reported it will initiate campaign Evaporator Campaign (EC)-11, remove the feed line jumper from pump room to support EC-11, procure new PB-1 and PB-2 replacement pumps, install the instrument air dryer upgrade, remove Tanks E101/E104, complete the 100 percent design for transfer line replacement, replace the sock filter assembly on the filtered raw water system, and initiate safety systems upgrades engineering design.

Issues/Other Items

None reported.

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8.0 LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT TREATMENT FACILITY

Significant Past Accomplishments

ORP reported the following:

- Total FY 2020 processing volume: approximately 1 million gallons
- Completed fieldwork for the upgrade of the Effluent Treatment Facility (ETF) evaporator drain valve
- Completed fieldwork for the upgrade of the ETF rough filter system
- Began installation of new ETF uninterruptible power supply unit
- Began electrical and structural installations for the ETF cooling tower upgrade
- Completed the 60-percent design review for Liquid Effluent Retention Facility (LERF) Basin 41 project
- Completed award of construction subcontract for the ETF brine loadout system upgrade
- Completed flushing and cleaning of system for the ETF dilute caustic tank upgrade

Significant Planned Actions in the Next Six Months

ORP reported that the ETF is undergoing several upgrades and major reworks to support Waste Treatment Plant operations. There is a complete listing of several planned projects on page 14 of the January 2020 TPA Monthly Report.

Issues/Other Items

Work has paused on the LERF Basin 44 cover replacement project while nuclear safety evaluations are performed. Evaluations are due to visual indication of solid material in the basin and sample results from that material. ORP is evaluating a repair or replacement of the cover. Pumping of the basin continues.

Ecology asked if ORP had a timeline for the Basin 44 replacement. ***ORP took the action to have its subject matter expert (SME) contact Ecology's SME with details on the replacement.***

Ecology also asked if the basis for not using ETF to remove iodine in the low-activity waste treatment process was nuclear safety-based. ORP replied that it is radiation safety-based, because the ETF does not have shielding or anything for workers to safely handle the iodine and physically, the facility is not designed to process iodine either. ORP stated it continues to work on the issue.

9.0 TANK SYSTEM UPDATE

9.1 Double-Shell Tank Integrity

Significant Past Accomplishments

ORP noted the status of the following activities:

- Completed ultrasonic testing inspections of tank 241-AW-102

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- Completed enhanced annulus visual inspection of: 241-AW-101, 241-AW-102, 241-AW-103, 241-AW-104, 241-AW-105, 241-AW-106, 241-SY-101, 241-SY-102, 241-SY-103
- Completed annulus visual inspection of: AY-102 thru risers 88 & 89
- Completed enhanced annulus visual inspections for tanks:
 - 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105, 241-AN-106, 241-AN-107, 241-AZ-101, and 241-AZ-102

Significant Planned Actions in the Next Six Months

- Issue a contract to fabricate, test, and deliver a primary tank bottom volumetric inspection system to be deployed into the annulus of double-shell tanks (DST) and used to characterize regions of the primary tank bottom
- Fabricate two retractable corrosion monitoring probes for installation in the following tanks: 241-AZ-101, 241-AP-102
- Award a competitive procurement contract to a vendor to design and fabricate a tertiary leak detection inspection tool for deployment beneath the secondary liner of a DST
- Complete ultrasonic testing of: 241-AW-106

Issues/Other Items

Ecology asked ORP about tank 241-AY-102 and waste in the tank annulus. Ecology stated its regulatory requirements require removal of the waste and asked ORP about its plan for doing so. ORP replied that it had corresponded with Ecology stating that the waste would be dealt with through the associated permitting process when the tank is closed. However, ORP did say that the tank annulus was being “actively dried.”

Ecology asked when the agencies would begin jointly working on the DST permitting plans.

ORP took the action to inform Ecology when the joint DST permitting plan discussions would begin.

9.2 Single-Shell Tank Integrity

Significant Past Accomplishments

- ORP reported it had performed TFC-ENG-CHEM-D-42, *Tank Leak Assessment Process*, on the following tanks: 241-T-101, 241-T-103, and 241-SX-104

Significant Planned Actions in the Next Six Months

- ORP plans to complete the TFC-ENG-CHEM-D-42, *Tank Leak Assessment Process* on tanks 241-T-109 and 241-T-113
- ORP will perform visual inspections on tanks: 241-B-107, 241-BX-105, 241-BX-108, 241-BX-109, 241-BX-112, 241-BY-107, 241-SX-112, 241-TX-110, 241-TY-101, and 241-TY-104

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10.0 IN-TANK CHARACTERIZATION AND SUMMARY

10.1 Reports Completed or Released

ORP completed six reports and released one. For details, please refer to pages 19-21 of the January TPA monthly report.

Issues/Other Items

Ecology asked ORP what its plans were for dealing with tank 241-T-111, a declared leaking tank. ORP stated that it had declared the tank a leaking tank, and the State of Washington agreed. Ecology asked how ORP knew it was a leaker without performing a "CHEM-D-42" leak assessment on the tank. ORP replied that the CHEM-D-42 process is performed to validate that a tank is not leaking. In the case of tank 241-T-111, there was no debate. Ecology then stated that the issue was really that there was not a set process, TPA or otherwise, for how to formally declare a tank leaking and the steps thereafter. ORP invited Ecology to express this concern on the need to begin the process on how to address in formal correspondence.

10.2 Tank Sampling

Significant Past Accomplishments

ORP reported the following sampling activities:

- 241-AP-106 repurposing liquid grab sampling was performed January 16, 2020
Eight samples were received at the laboratory.
- Completed 241-AP-106 repurposing step 3, late November 2019

Significant Planned Actions in the Next Six Months

ORP reported the following future tank sampling activities planned:

- 241-AP-102 grab sampling is planned for February 2020
- 241-AN-106 core sampling is planned for March 2020
- 241-AX-102 post-retrieval grab sampling is planned for May 2020
- 241-AP-108 grab sampling (if required) is planned for June 2020
- 241-AP-107 tank grab sampling is planned for July 2020

Issues/Other Items

Regarding the sampling of tank 241-AX-102, Ecology stated it planned on sending correspondence stating it was too early for ORP to be sampling for closure and it was also too early to assume forgoing the third tank retrieval technology. Ecology went on to say, based on information it was receiving from one of its chemists, that it believed further sampling was going to be done without the agreement of Ecology. Ecology also requested ORP complete a risk assessment for tank 241-AX-102 and perhaps for all the AX tanks, as it believed the chemistry of those tanks is not well-known. Lastly, Ecology stated that it did not believe ORP has a third retrieval technology available or one suitable for tank 241-AX-102. ORP contended that it had not made any decisions regarding forgoing the third retrieval technology, and that it had worked closely with Ecology to obtain its agreement on the two previous tank retrieval technologies for

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tank 241-AX-102. Ecology countered that it agreed to the two prior tank retrieval technologies because it deferred to ORP's technical expertise and, in effect, "trusted" them. ORP stated that it would have its tank retrieval contractor contact Ecology's chemist to find out more about his concerns regarding sampling.

10.3 Best-Basis Inventory Updates

Significant Past Accomplishments

ORP reported that it completed a best-basis inventory update for tank 241-C-106 in January 2020.

Significant Planned Actions in the Next Six Months

ORP reported it is planning best-basis inventory updates for the following tanks in February 2020: 241-AW-103, 241-AZ-101, 241-C-105, and 241-SX-106.

11.0 SINGLE-SHELL TANK CLOSURE PROGRAM

Significant Past Accomplishments

ORP reported the following completed activities:

- Submitted revisions and comment responses to Ecology for RPP-RPT-59389, *Tier 2 Resource Conservation and Recovery Act (RCRA) Closure Action Plan for Waste Management Area C*; RPP-RPT-59390, *Tier 3 Resource Conservation and Recovery Act (RCRA) Component Closure Activity Plan for 241-C-200 Series Tanks*; and RPP-RPT-58858, *Tier 1 Closure Plan Single-Shell Tank System*
- Continued permitting workshops with Ecology for the single-shell tank closure plans in the Hanford Sitewide permit
- Submitted the maintenance and performance monitoring plan for interim barriers to Ecology, on October 10, 2019, completing TPA milestone M-045-92AC.
- Submitted design for Barrier 3 in 241-TX to Ecology. This action completes milestone M-045-92W as noted by administrative record (AR-03145) signed October 17, 2019
- Ecology approved the design for Barrier 3 in the 241 TX Tank Farm to allow the start of construction, which completed TPA milestone M-045-92X (October 17, 2019). ORP projects the start of construction of Barrier 3 in March
- Approved DOE/ORP-2014-02, *Clean Closure Practicality Demonstration for the SSTs*, with supplemental information DOE/ORP-2014-02-SUPP-1 via letter 19-NWP-090, "Transmittal of Supplemental Information to the Clean Closure Practicability Demonstration for the SSTs, DOE/ORP-2014-02-SUPP1, Revision 0," by Ecology on June 12, 2019

Significant Planned Activities in the Next Six Months

ORP reported the following planned activities:

- Analysis of C-106 in-tank videos has yielded the Camera/Computer Aided Design Modeling System (CCMS) volume estimate of 285.98 cubic feet. WRPS is expected to review and verify by January 31, 2020.

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- Resolve Ecology's comments on RPP-RPT-59389, RPP-RPT-59390, and RPP-RPT-58858
- Complete construction of the evapotranspiration basin in TX Tank Farm

Issues/Other Items

ORP noted the following issues:

- Interagency Management Integration Team (IAMIT) decisions for the four issues on RPP-RPT-58329, Baseline Risk Assessment for Waste Management Area C, have been stalled since the February 21, 2019, meeting. (Note: Ecology formally requested ORP SMEs contact Ecology's SMEs to resolve, but were informed the issue and associated actions were being tracked by the IAMIT.)
- ORP formally initiated the TPA dispute resolution process with Ecology over Ecology's "Denial of Request for Waiver for TPA Waste Retrieval Criteria for SST 241-C-106" (C-106). A Director's Determination by the Director of Ecology was made on June 26, 2019 (19-NWP-101). ORP appealed the Director of Ecology's determination to the Pollution Control Hearings Board on July 26, 2019. The parties participated in mediation on October 28, 2019. The parties were unable to successfully negotiate and resolve the appeal on October 28 and agreed to one additional negotiation meeting in November 2019. The hearing in this appeal is scheduled for July 28, 2020. New in-tank videos were obtained in November 2019 and a new Camera/Computer-Aided Design Modeling System evaluation was performed.
- Construction of the evapotranspiration basin has been slowed by historical preservation reviews

12.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Significant Past Accomplishments

Refer to the Consent Decree portion of these meeting minutes (page 14, section 2.0).

Significant Planned Activities in the Next Six Months

Refer to the Consent Decree portion of these meeting minutes (page 14, section 2.0).

Issues

Refer to the Consent Decree portion of these meeting minutes (page 14, section 2.0 and further in the January 2020 Consent Decree Monthly Report on page 8).

13.0 TANK OPERATIONS CONTRACT OVERVIEW

The earned value data can be viewed in the January ORP TPA Monthly Report on pages 30-38 (data reflects end of December 2019).

WBS 5.01 – Base Operations

The earned value data can be viewed in the January 2020 ORP TPA Monthly Report on page 32.

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WBS 5.02 – Retrieve and Close Single-Shell Tanks

The earned value data can be viewed in the January 2020 ORP TPA Monthly Report on page 34 (and duplicated in the January 2020 ORP Consent Decree Monthly Report on page 11).

WBS 5.03 – Waste Feed Delivery/Treatment Planning

The earned value data can be viewed in the January 2020 ORP TPA Monthly Report on page 36.

WBS 5.05 – Treat Waste

The earned value data can be viewed in the December 2019 ORP TPA Monthly Report on page 38.

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1.0 CONSENT DECREE MILESTONES/ADMINISTRATIVE ACTIONS

Consent Decree Milestones

ORP reported milestones as On Schedule, At Risk, or Under Analysis (see pages 4-5 of the ORP January 2020 Consent Decree Monthly Report).

Consent Decree Issues and Action Items

For reference, see attached "ORP/Ecology TPA and CD Agreements, Issues and Action Items – January 2020 Meeting."

Action Items

There are no current actions.

2.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

Consent Decree Milestones

A status of SST retrieval Consent Decree milestones can be found on page 7 of the January 2020 Consent Decree Monthly Report.

Significant Accomplishments during the Prior Month

ORP reported the following accomplishments:

- Completed Tank AX-102 waste retrieval operations with sluicing and high pressure water (first and second retrieval technologies) and initial volume displacement measurements
- Installed Tank AX-104 Pit B extended reach sluicer system into tank
- Installed Tank AX-104 Pit A slurry pump into tank
- Completed Tank A-103 03C saltwell screen removal
- Completed Tank A-101 1C Pit stuck shield plug core drilling in preparation for air inlet station installation
- Completed Tank A-106 Riser 2 thermocouple removal (removable upper section)
- Completed A Tank Farm ventilation system cold operational acceptance testing.

Significant Planned Activities in the Next Month

ORP reported the following planned activities:

- Remove Tank AX-101 Pit D Riser 24 pump
- Remove Tank AX-101 Pit B Riser 01B pump
- Complete lowering of A-106 Riser 2 damaged (not removable) thermocouple section
- Complete installation of A Tank Farm ventilation system duct riser assembly and inlet stations.

Issues/Other Items

ORP referred to page 8 of the January 2020 Consent Decree Monthly Report for the complete listing of issues.

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3.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

Significant Accomplishments during the Prior Month

ORP reported no activity.

Significant Planned Activities in the Next Month

ORP reported no new activity.

4.0 RETRIEVE AND CLOSE SINGLE-SHELL TANKS

WBS 5.02

The earned value data can be viewed in the January ORP Consent Decree Monthly Report on page 12.

5.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

ORP reported many aspects of the project are being discussed in the Analysis of Alternatives (AoA) team, where Ecology is represented. ORP stated it expects the AoA team to release its findings by August 2020.

Project Schedule and Cost Variance Performance

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 16. ORP reported there is a negative schedule variance due to procurements lagging at the Low-Activity Waste Facility, though overall, the project continues to make up schedule where possible via extended shifts and flexible work planning. ORP also anticipates some negative cost impacts in the next few months as various facilities go from construction to startup and testing. ORP did note schedule favorability at the HLW due to engineering efficiencies.

6.0 PRETREATMENT FACILITY

ORP reported that the focus at the pretreatment facility was on asset preservation and maintenance, but it is still working to the overall baseline.

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 20.

7.0 HIGH-LEVEL WASTE FACILITY

Significant Accomplishments during the Prior Month

ORP reported it completed the 60% design review of the High-Level Waste (HLW) Facility melter feed process system. ORP also reported, that at the time of today's meeting, radioactive liquid waste disposal (RLD) system vessel 8 was in transport and should arrive on site in about a week or week-and-a-half's time.

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Significant Planned Activities in the Next Month

See page 22 of the January 2020 ORP Consent Decree Monthly Report for a full listing.

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 23.

Issues/Other Items

ORP noted that it is reevaluating a decision to forgo a backup power source for the HLW melter.

Ecology asked if equipment was being moved into facilities yet. ORP responded that equipment remains in the Material Handling Facility.

ORP cautioned that, though still preliminary, the President's budget for FY2021, if enacted as proposed, would likely mean a reduced funding profile for the project.

8.0 LOW-ACTIVITY WASTE FACILITY

ORP reported that 94% the of Low-Activity Waste (LAW) Facility systems have been turned over from construction to startup, and of those, 38% have been turned over from startup to operations. ORP said the focus was on the melter process system and the active gas analyzer.

Significant Accomplishments during the Prior Month

ORP highlighted the turnovers of the melter process system, section three, and the process control system.

Significant Planned Activities in the Next Month

ORP expects to continue completing walk-downs on various systems in support of turning those systems over to the Startup organization, and the Startup organization expects to hand over LAW Facility systems to Plant Management.

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 26.

Issues/Other Items

Ecology asked if "number of pages" was a good metric for progress on punch list items. ORP responded that duration was a better gauge of progress.

9.0 BALANCE OF FACILITIES

Significant Accomplishments during the Prior Month

ORP reported the Balance of Facilities (BOF) was 88% complete overall (as of December 2019), that it had completed "weathering in" of the Effluent Management Facility (EMF), and that it had initiated the glass former system dry runs.

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Significant Planned Activities in the Next Month

ORP reported that it plans continued testing on the former glass storage facility that is now loaded with silica, which simulates glass.

ORP reported pipe, roof, and electrical commodities installation continues at the EMF.

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 29.

Issues/Other Items

ORP reported that there are operating challenges in the steam plant, but those were to be expected, and steam demand is still low.

ORP reported challenges (and some success) in getting the glass former system tested and operational – specifically with scales and software. However, the project has made some transfers of silica.

10.0 ANALYTICAL LABORATORY

Significant Accomplishments during the Prior Month

ORP reported most facilities at the Analytical Laboratory have completed their operations reviews. A complete listing of accomplishments can be found on page 30 of the January 2020 ORP Consent Decree Monthly Report. ORP also reported that validations had moved from off-site to the facility.

Significant Planned Activities in the Next Month

ORP reported its contractor continues to work on component and system startup testing, operational testing, and refurbishing of multiple LAB systems.

The earned value data can be viewed in the January 2020 ORP Consent Decree Monthly Report on page 31.

Issues/Other Items

Ecology asked if electrical issues were a concern. ORP responded it was more focused on piping issues. ORP also noted it was facing challenges in balancing between hood tuning ventilation, system operation of balancing, and methods validation. The balancing of the system was done manually. Now the system is operated automatically from the LAW control room, which is resulting in some different readings throughout the building.

11.0 BRIEFING ON “IODINE ISSUE” IN LOW-ACTIVITY WASTE PROCESS

ORP gave a brief status update on progress to address iodine removal as part of low-activity waste processing. It has been determined that the ETF cannot handle iodine. ORP has formed a “fix it now” team and that team is looking at potentially using an additional TSCR-type

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apparatus, where iodine could be filtered out, or possibly engineering changes that would allow iodine to be separated at the EMF. However, ORP cautioned that it is very early in the process and any possible solutions are very preliminary.



THE HANFORD SITE

Office of River Protection Tri-Party Agreement

Monthly Reporting Period
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Significant Past Accomplishments

The selected scenarios for the *River Protection System Plan*, Rev. 9 were agreed upon by U.S. Department of Energy, Office of River Protection (ORP) and Washington State Department of Ecology (Ecology). ORP documented the agreement and transmitted letter 19-MIO-0020, “Request for Concurrence on Selected Scenarios for the River Protection Project System Plan, Revision 9,” dated September 25, 2019, to Ecology for concurrence. Ecology concurred on October 2, 2019, via letter 19-NWP-158, “Re: Transmittal of Signed Concurrence for Selected Scenarios for the River Protection Project System Plan, Revision 9, RPP-RPT-61707, Rev. 0.”

Significant Planned Actions in the Next Six Months

- Discuss disputes with regard to milestone M-062-45 and its associated milestones during holistic negotiations.
- Ecology and ORP will continue discussions in support of System Plan, Rev. 9 development, due October 31, 2020.

Issues

- Ecology and ORP have ended negotiations related to the M-062-45 Milestone and have initiated dispute. “Holistic Negotiations” are planned to resolve these disputes.

Significant Past Accomplishments

- Tank-side cesium removal system fabrication was completed by AVANTech and inspected by Washington River Protection Solutions LLC (WRPS) in December 2019.

Significant Planned Actions in the Next Six Months

- Tank-side cesium removal system factory acceptance testing is projected to be completed in the first quarter of calendar year 2020.

Issues

- Operations Office letter 18-NWP-177, “Hanford Site Ambient Air Boundary Concerns,” regarding the Hanford Site ambient air boundary. Ecology expressed its belief that the ambient air boundary appears to have changed as a result of increased public access to parts of the Hanford Site. ORP, Ecology, and the Washington State Department of Health have met several times to attempt to develop a shared understanding of existing conditions and a path forward.
- The project was informed on January 29, 2020, that Ecology was not going to issue the agreed upon temporary authorizations to allow pouring of the concrete pad for the tank-side cesium removal unit, the ion exchange column storage pad, and installation of the transfer lines until the draft Resource Conservation and Recovery Act permit was completed. This has the potential to impact the project schedule by up to 4 months and several million dollars in cost.

Significant Past Accomplishments

- Replaced flow transmitter FT-CA1-1
- Completed design for replacement of instrument air dryer
- Received new instrument air dryer
- Completed 60 percent design for transfer line replacement
- Awarded instrument air dryer construction contract.

Significant Planned Actions in the Next Six Months

- Initiate campaign EC-11
- Remove feed line jumper from pump room to support EC-11
- Procure new PB-1 and PB-2 replacement pumps
- Install instrument air dryer upgrade, remove Tanks E101/E104
- Complete 100 percent design for transfer line replacement
- Replace the sock filter assembly on the filtered raw water system
- Initiate safety systems upgrades engineering design.

Significant Past Accomplishments

- Total FY 2020 processing volume: approximately 1 million gallons
- Completed fieldwork for the upgrade of the Effluent Treatment Facility (ETF) evaporator drain valve
- Completed fieldwork for the upgrade of the ETF rough filter system
- Began installation of new ETF uninterruptible power supply unit
- Began electrical and structural installations for the ETF cooling tower upgrade
- Completed the 60-percent design review for Liquid Effluent Retention Facility (LERF) Basin 41 project
- Completed award of construction subcontract for the ETF brine loadout system upgrade
- Completed flushing and cleaning of system for the ETF dilute caustic tank upgrade

Significant Past Accomplishments continued

- Completed demolition and earth work activities for the ETF chiller upgrade
- Completed four of nine installations of ETF stairs and ladder upgrade
- Completed removal of system pump assemblies for the ETF reverse osmosis system upgrade
- Completed construction subcontractor mobilization and the installation of scaffold for the ETF verification tank (60H-TK-1C) repair.

Significant Planned Actions

- Complete the ETF stairs and ladder upgrade to improve personnel safety and ergonomics
- Complete the ETF chiller system upgrade to improve reliability and reduce system maintenance
- Complete the ETF dilute caustic tank upgrade to the system piping
- Complete the ETF reverse osmosis system upgrade to replace leak prone valves and obsolete system pumps
- Complete the ETF verification tank repair to replace the interior protective epoxy coating
- Complete the ETF cooling tower and pump upgrade, which is subject to shut down due to the degraded condition
- Complete the ETF uninterruptible power supply upgrade due to age and the occurrence of faults

Significant Planned Actions continued

- Commission the ETF peroxide decomposer system upgrade for the WTP DFLAW effluent
- Commission the ETF evaporator drain upgrade to address leak issues
- Commissioning of the ETF rough filter system upgrade to reduce processing down time
- Perform ETF processing campaign to reduce LERF backlog
- Perform repair or replacement of the LERF Basin 44 floating cover
- Perform ETF brine loadout upgrade to manage secondary waste
- Perform physical tie-in of transfer lines 200-E-310-PL (primary) and 200-E-311-PL(backup) at the interface points in preparation for the WTP DFLAW effluent
- Perform ETF load-in station drain and filter system upgrade to install a new sump tank system

Significant Planned Actions continued

- Design ETF ultraviolet/oxidation system upgrade since the existing system is no longer supported by the manufacturer
- Design ETF monitoring and control system/hardware upgrade because it is currently operating on outdated systems
- Design LERF Basin 41 installation for additional capacity
- Design ETF redundant filtration upgrade to reduce processing down time
- Design ETF load-in station building expansion to support enhanced facility operation
- Design ETF vessel offgas demister housing upgrade to repair degraded condition
- Design ETF supplemental organic treatment system in preparation for the WTP DFLAW effluent.

Issues

- Work has paused on the LERF Basin 44 cover replacement project while nuclear safety evaluations are performed by Washington River Protection Solutions LLC (WRPS). Evaluations are due to visual indication of solid material in the basin and sample results from that material.

LERF Volumes

Description	242AL-42 (Basin 42)	242AL-43 (Basin 43)	242AL-44 (Basin 44)
AZ-301 Condensate	+4,800	-	-
Mixed Waste Trench 31 and 34	+12,900	-	-
Other (325 RPS, ETF ST)	+75,900	-	-
Processing Campaign(s)	-	-	-
Total Volume	2,840,000	6,506,000	669,000

Data Date: February 4, 2020

Values shown in gallons

RPS = retention process sewer

Significant Past Accomplishments

- Completed ultrasonic testing inspections of: 241-AW-102
- Completed enhanced annulus visual inspection of: 241-AW-101, 241-AW-102, 241-AW-103, 241-AW-104, 241-AW-105, 241-AW-106, 241-SY-101, 241-SY-102, 241-SY-103
- Completed annulus visual inspection of: AY-102 thru risers 88 & 89

Significant Planned Actions in the Next Six Months

- Issue a contract to fabricate, test, and deliver a primary tank bottom volumetric inspection system to be deployed into the annulus of double-shell tanks (DST) and used to characterize regions of the primary tank bottom.
- Fabricate two retractable corrosion monitoring probes for installation in the following tanks: 241-AZ-101, 241-AP-102.

Significant Planned Actions continued

- Award a competitive procurement contract to a vendor to design and fabricate a tertiary leak detection inspection tool for deployment beneath the secondary liner of a DST.
- Complete ultrasonic testing of: 241-AW-106.

Significant Past Accomplishments

- Performed TFC-ENG-CHEM-D-42, *Tank Leak Assessment Process*, on the following tanks: 241-T-101, 241-T-103, and 241-SX-104
- Completed visual inspections of: 241-TX-101, 241-TX-102, 241-TX-104, 241-TX-107, 241-S-103, and 242-2-110.

Significant Planned Actions in the Next Six Months

- Perform TFC-ENG-CHEM-D-42 on: 241-T-109 and 241-T-113
- Perform visual inspection on: 241-B-107, 241-BX-105, 241-BX-108, 241-BX-109, 241-BX-112, 241-BY-107, 241-SX-112, 241-TX-110, 241-TY-101, and 241-TY-104.

Reports Completed or Released

- Completed six reports and released one. For details, please refer to the monthly report

Significant Past Accomplishments

- 241-AP-106 repurposing liquid grab sampling was performed January 16, 2020.
- Eight samples were received at the laboratory.
- Completed 241-AP-106 repurposing step 3, late November 2019.

Significant Planned Actions in the Next Six Months

- 241-AP-102 grab sampling is planned for February 2020.
- 241-AN-106 core sampling is planned for March 2020.
- 241-AX-102 post-retrieval grab sampling is planned for May 2020.
- 241-AP-108 grab sampling (if required) is planned for June 2020.
- 241-AP-107 tank grab sampling is planned for July 2020.

Significant Past Accomplishments

- Best-basis inventory updates for the following tanks were completed in January 2020: 241-C-106.

Significant Planned Actions in the Next Month

- Best-basis inventory updates for the following tanks are currently planned to be completed in February 2020: 241-AW-103, 241-AZ-101, 241-C-105, and 241-SX-106.

Significant Past Accomplishments

- Submitted revisions and comment responses to Ecology for RPP-RPT-59389, *Tier 2 Resource Conservation and Recovery Act (RCRA) Closure Action Plan for Waste Management Area C*; RPP-RPT-59390, *Tier 3 RCRA Component Closure Activity Plan for 241-C-200 Series Tanks*; and RPP-RPT-58858, *Tier 1 Closure Plan Single-Shell Tank System*.
- Continued permitting workshops with Ecology for the single-shell tank (SST) closure plans in the Hanford sitewide permit
- Approved DOE/ORP-2014-02, *Clean Closure Practicality Demonstration for the SSTs*, with supplemental information DOE/ORP-201-4-02-SUPP-1 via letter 19-NWP-090, “Transmittal of Supplemental Information to the Clean Closure Practicability Demonstration for the SSTs, DOE/ORP-2014-02-SUPP1, Revision 0,” by Ecology on June 12, 2019.
- Submitted design for Barrier 3 in 241-TX to Ecology. This action completes milestone M-045-92W as noted by administrative record (AR-03145) signed October 17, 2019.

Significant Past Accomplishments continued

- Submitted the maintenance and performance monitoring plan for interim barriers to Ecology. This action completes milestone M-045-92AC.
- Ecology approved the design for Barrier 3 in 241-TX Tank Farm to allow the start of construction. This action completes milestone M-045-92X as noted by Administrative Record documentation (AR-03146) signed October 17, 2019.

Significant Planned Activities in the Next Six Months

- Analysis of C-106 in-tank videos have yielded the Camera / Computer Aided Design Modeling System (CCMS) volume estimate of 285.98 cubic feet. WRPS is expected to review and verify by January 31, 2020.
- Resolve Ecology's comments on RPP-RPT-59389, RPP-RPT-59390, and RPP-RPT-58858.
- Complete construction of the evapotranspiration basin in TX Tank Farm.

Issues

- Interagency Management Integration Team decisions for the four issues on RPP-RPT-58329, Baseline Risk Assessment for Waste Management Area C, have been stalled since the February 21, 2019, meeting.
- ORP formally initiated the TPA dispute resolution process with Ecology over Ecology's "Denial of Request for Waiver for TPA Waste Retrieval Criteria for SST 241-C-106" (C-106). A Director's Determination by the Director of Ecology was made on June 26, 2019 (19-NWP-101). ORP appealed the Director of Ecology's determination to the Pollution Control Hearings Board on July 26, 2019. The parties participated in mediation on October 28, 2019. The parties were unable to successfully negotiate and resolve the appeal on October 28, but have agreed to one additional negotiation meeting in November. The hearing in this appeal is scheduled for July 28, 2020. New in-tank videos were obtained in November 2019 and a new CCMS evaluation was performed.



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Office of River Protection Consent Decree Monthly Report

Monthly Reporting Period
January 1 – 31, 2020

Significant Accomplishments during the Prior Month

- Completed Tank AX-102 waste retrieval operations with sluicing and high pressure water (first and second retrieval technologies) and initial volume displacement measurements
- Installed Tank AX-104 Pit B extended reach sluicer system into tank
- Installed Tank AX-104 Pit A slurry pump into tank
- Completed Tank A-103 03C saltwell screen removal
- Completed Tank A-101 1C Pit stuck shield plug core drilling in preparation for air inlet station installation
- Completed Tank A-106 Riser 2 thermocouple removal (removable upper section)
- Completed A Tank Farm ventilation system cold operational acceptance testing.

Significant Planned Activities in the Next Month

- Remove Tank AX-101 Pit D Riser 24 pump
- Remove Tank AX-101 Pit B Riser 01B pump
- Complete lowering of A-106 Riser 2 damaged (not removable) thermocouple section
- Complete installation of A Tank Farm ventilation system duct riser assembly and inlet stations.

Issues

- Issues available in the report

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 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 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 for calendar year 2020.

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: “Ecology¹ is the lead regulatory agency responsible for the closure of the SST system. EPA² 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 RCRA³ closures/post-closures within an operable unit will be provided in various RFI⁴/CMS⁵ documents. The initial work plan will contain a Sampling and Analysis Plan (SAP) for the

¹ Washington State Department of Ecology

² Environmental Protection Agency

³ Resource Conservation & Recovery Act

⁴ RCRA Facility Investigation

⁵ Corrective Measure Study

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 Meeting

associated RCRA units and it will outline the manner in which RCRA closure/post-closure plan requirements will be met in the work plan and subsequent documents. The selected closure/post-closure method and associated design details will (unless otherwise agreed to by the parties) be submitted as part of the CMS report at a later date, as specified in the work plan.” “In any case, the parties agree that CERCLA remedial actions and, as appropriate, HSWA⁶ corrective measures will comply with ARARs⁷.”

- d. Section 5.6: “The EPA and Ecology have selected a lead regulatory agency approach to minimize duplication of effort and maximize productivity. Either the EPA or Ecology will be the lead regulatory agency for each operable unit, TSD⁸ group/unit or milestone. The lead regulatory agency for a specific operable unit, TSD group/unit or milestone will be responsible for overseeing the activities covered by this action plan that relate to the successful completion of that milestone or activities at that operable unit or TSD group/unit, ensuring that all applicable requirements are met.”

⁶ 1984 Hazardous and Solid Waste Amendments

⁷ Applicable or Relevant and Appropriate Requirements

⁸ Treatment, Storage, and/or Disposal

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	TF-16-11-04 17 Nov 2016	ORP to provide Ecology the T-112 work plan	In legal review. (07/19/2018) No change (12/12/2019)	Dusty Stewart	On Hold
2	TF-18-10-01 18 Oct 2018	Follow up meetings for discussion and resolution of tank-side cesium removal (TSCR) related activities.	<p>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 an invite to witness the tall column test.</p> <p>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.</p> <p>30 May 2019: Meeting held on May 20th. ORP recommends closing this action.</p> <p>6 June ORP Actions</p> <ol style="list-style-type: none"> 1. Provide Ecology with a copy of the Factory Acceptance Test (FAT) test plan once released. (TARGET Completion: October 2019) 2. Provide the opportunity for Ecology to observe the FAT once the FAT has commenced. (TARGET Completion: November 2019) <p>Updated 09/20/2019)</p>	Steve Pfaff	Open

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			12/12/2019: Ecology has not received updated plan, ORP to provide by email		
3	TF-18-10-02 18 Oct 2018	Ecology and DOE to meet to discuss Ecology email (see Updates)	The HFFACO is the current working agreement and Ecology is confident that the HFFACO has adequately described our expectations for WMA-C Closure. USDOE and Ecology will meet and discuss the areas where USDOE have not fulfilled the TPA requirements for SST Closure or are inconsistent with Tri-Party agreements and understanding. USDOE and Ecology will agree to a resolution to those deficiencies where USDOE have not fulfilled the TPA Requirements. If USDOE has concerns regarding the HFFACO, then our respective senior managers should provide direction to the TPA Project Managers for resolving those concerns. (Email Jeff Lyon, Oct 22, 2018) Meeting between ORP and Ecology occurred on 11 Dec 2018 to discuss these issues. ORP is preparing a response for Ecology. No Change 09/20/2019) 12/12/2019 – ORP to provide Ecology an update by phone/email prior to next meeting	Rod Lobos	Closed 13 Feb 2020
4	TF-20-01-01 9 Jan 2020	Provide a status update at next month's PMM on milestone M-062-50 "Submit to Ecology as a Secondary Document, a Mass Balance Flow Sheet"		Brian Harkins	Open
5	TF-20-01-02 9 Jan 2020	ORP to set up a discussion/meeting on the completion criteria for milestone M-062-54A "Submit Permit Application for AP Tank Farm Mods and Operation Necessary to support TSCR (due		Brian Harkins	Open

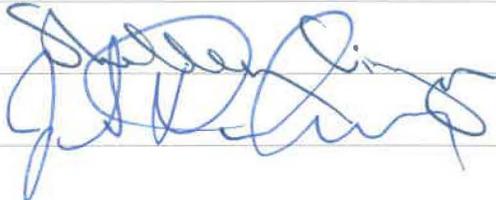
ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
		July 2020). A. Pomiak should also be included in this meeting			
6	TF-20-01-03 9 Jan 2020	Ecology to be included in discussions on how ORP is dealing with the issue of ETF not being able to handle the amount of Iodine that would be produced from DFLAW operations, and ORP's options therein. Ecology understands it is early in the process however. Their POCs for this issue are Dan McDonald and Katie Hall	On January 21, 2020, there was a briefing to Ecology/Oregon on the path forward for Iodine 129 by the Fix It Now Team. ORP recommends closing this action.(31 Jan 2020)	Richard Valle	Open
7	TF-20-01-04 9 Jan 2020	Ecology wants DST integrity testing/inspection reports added to the TPA monthly report		Dusty Stewart	Closed 13 Feb 2020
8	TF-20-02-01 13 Feb 2020	ORP to schedule a walkdown on TSCR	ECY POC is Dan McDonald	Janet Diediker	Open
9	TF-20-02-02 13 Feb 2020	ORP to send Ecology the AP-106 Repurposing Report to ECY		Brian Harkins	Open

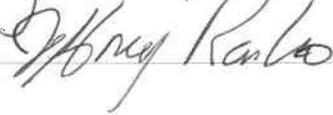
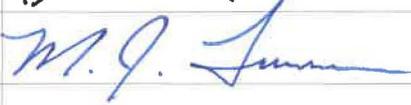
ORP/Ecology TPA and CD Agreements, Issues, and Action Items –March 2020 Meeting

#	Action ID Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1					

March 12, 2020
Office of River Protection
Tri Party Agreement Consent Decree Meeting

PRINT NAME	SIGN NAME	ORG
Abdul, Wahed		ORP
Alzheimer, Jim		ECY
Bang, Ricky		OEP
Barnes, Mike		ECY
Becky, Blackwell		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
Lobos, Rod		ORP

March 12, 2020
Office of River Protection
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PRINT NAME	SIGN NAME	ORG
Lopez, Maria		WRPS
Lowe, Steven		ECY
Lucatero, Yoana		ECY
Lyon, Jeffery		ECY
Mayenna, Amena		ECY
McDonald, Dan		ECY
Menard, Nina		ECY
Mulkey, Charles		WRPS
Parker, Dan		WRPS
Pomiak, Andrew		ECY
Price, John		ECY
Rambo, Jeffrey		ORP
Serafin, Shane		ORP
Silva, Devon		ECY
Skorska, Maria		ECY
Stewart, Dustin		ORP
Temple, John		ECY
Trimberger, Bryan		ORP
Turner, Michael		MSA
Valle, Richard		ORP
Van Mason, Eric		WRPS
Walmsley, Mign		ECY
Wang, Oliver S		ECY

