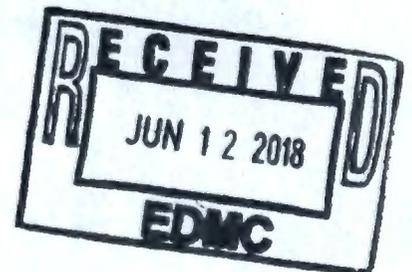


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Office of River Protection
Project Managers' Meeting Minutes

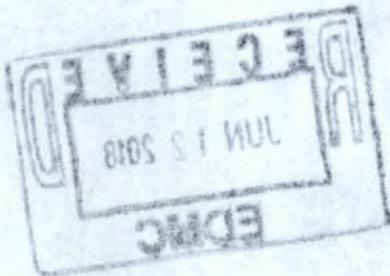
2440 Stevens Center
Richland, Washington

April 19, 2018



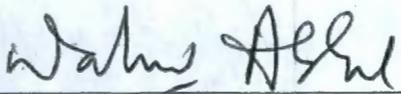
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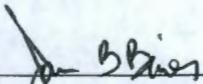


CONCURRENCE SIGNATURES

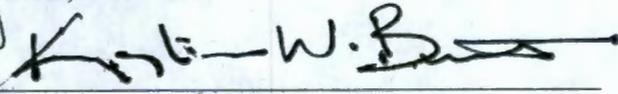
The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers' Meeting.



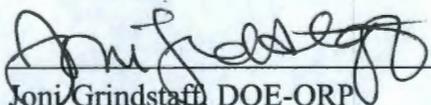
Wahed Abdul, DOE-ORP
Date: 5/16/18



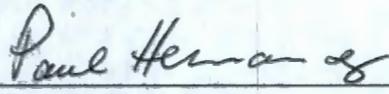
Jan Bovier, DOE-ORP
Date: 5/9/2018



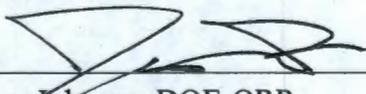
Kaylin Burnett, DOE-ORP
Date: 5/16/18



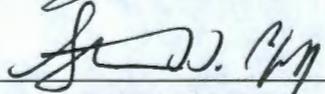
Joni Grindstaff, DOE-ORP
Date: 5/15/18



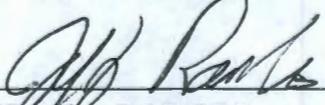
Paul Hernandez, DOE-ORP
Date: 5/11/18



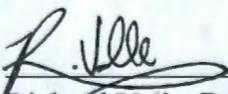
Jeremy Johnson, DOE-ORP
Date: 5/17/18



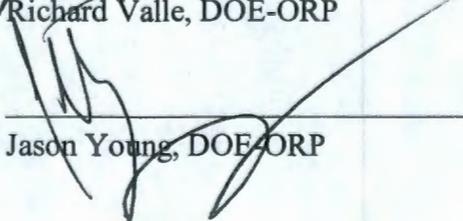
Steve Pfaff, DOE-ORP
Date: 6/1/2018



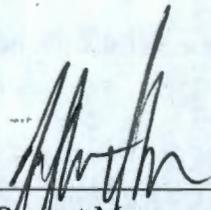
Jeff Rambo, DOE-ORP
Date: 5/16/2018



Richard Valle, DOE-ORP
Date: 05/10/2018

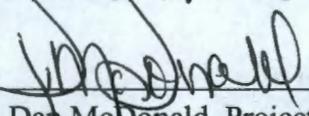


Jason Young, DOE-ORP
Date: 5/16/18



Jeff Lyon, Project Manager,
Washington State Department of Ecology

Date: 6/7/18



Dan McDonald, Project Manager,
Washington State Department of Ecology

Date: 6-7-18



Stephanie Schleif, Project Manager,
Washington State Department of Ecology

Date: 10/6/18

TRI-PARTY AGREEMENT MILESTONE REVIEW AND MONTHLY SUMMARY REPORT

1.0 ADMINISTRATIVE ITEMS/MILESTONE STATUS

Upcoming Meetings

The next project managers meeting (PMM) is scheduled for Wednesday, June 20, 2018, from 1:00 p.m. to 3:30 p.m. at the ORP office in Richland, Washington. The ORP quarterly milestone review is scheduled for May 17, 2018, from 8:45 a.m. to 11:00 a.m. at the Ecology office in Richland, Washington. The Inter-Agency Management Integration Team (IAMIT) meeting will precede the ORP quarterly review, starting at 8:00 a.m.

ORP started the PMM by noting that the Consent Decree (CD) report was not available for today's meeting. ORP stated that the internal process for generating the report has been changed, and the review process has not allowed the CD report to be produced in time for the meeting today. Ecology stated that some of the tank farms information and most of the Waste Treatment Plant (WTP) information is in the CD report, and not having the CD report available for the meeting is a detriment. Ecology suggested moving the ORP PMM to the end of the month so the CD report would be available. The Ecology project managers for tank farms and WTP and the Oregon Department of Energy (ODOE) agreed that the PMMs should be moved and continue to be held back-to-back. Ecology pointed out that the CD is required to be issued by the end of the month, and the expectation is that the CD will be available if the PMM is moved to the end of the month. ORP stated that it would take an action to propose different options for scheduling the PMM.

ORP Action: *ORP to propose new dates to Ecology and ODOE for the PMM.*

Recent Items Entered/To Be Entered into the Administrative Record (AR)

U.S. Department of Energy (DOE), Office of River Protection (ORP) provided the monthly TPA report for April 2018. ORP stated that due to legal review, the April 2018 CD report was not available today.

Tri-Party Agreement Milestone Status

ORP noted that the only change to the milestone table was the status of M-045-92O, which is to be missed, and an update will be provided during the discussion under the single-shell closure program.

Office of River Protection/Washington State Department of Ecology Tri-Party Agreement and Consent Decree Agreements, Issues and Action items – April 2018

The action items were discussed and updated as follows (see agreements, issues and action items table):

Action No. 1 (TF-16-11-04)

ORP stated that there was no change in the status of this action. This action remains on hold.

Action No. 2 (TF-16-11-05)

ORP stated that the report on the four tanks that were visually inspected at ETF is still in the clearance process, and it should be issued no later than June 2018. This action remains open.

Action No. 3 (TF-17-04-01)

ORP stated that the schedule for the removal of the 242-A Evaporator diesel generator has not been developed. This action remains open.

Action No. 4 (TF-17-09-01)

ORP stated that this action has been left open, with the understanding that as issues come up, the appropriate venue will be decided for requests related to DSTs. ORP noted that there had not been any issues lately, and suggested either leaving this action open or deleting it. Ecology stated that this action could be deleted, and if any questions come up, they can be addressed. This action was closed.

Action No. 5 (TF-18-11-01)

This action was closed on 3/14/18, and it will be removed from the action table.

Action No. 6 (TF-18-11-02)

This action was closed on 3/14/18, and it will be removed from the action table.

Action No. 7 (TF-18-11-03)

ORP stated that a meeting will be scheduled within the next two months to start discussing the pumping guide. This action remains open.

Action No. 8 (TF-18-02-01)

ORP asked if Ecology was requesting the difference in the leak volume estimates for the tanks. Ecology responded that it was requesting the leak volume estimates for the tanks and the assumed leaker status. ORP responded that there was no difference. Ecology stated that the question was initially raised because of the TX Farm vadose zone leak loss report, but the intent was to include the other tank farms that have vadose zone leak loss reports indicating there are far fewer leakers, and because the leak volumes are different than what is reported in the HNF reports.

Ecology stated that as the PA's and RFI's are being done, the contractors use the HNF as the reference for most of their work, and Ecology uses the leak loss reports for most of its work. Ecology stated that ORP has released two different reports to the public that are not consistent with each other, and Ecology requested that ORP consider making the reports consistent. Ecology noted that the request was not specific to just TX Farm.

ORP responded that the goal is to make the reports consistent. ORP stated that during the farm by farm characterization effort to generate a report, an entire tank farm is looked at to determine the best estimate for what leaked out of a tank. ORP added that if a leak estimate cannot be determined, and an estimate is currently in the monthly summary report as an assumed leaker, oftentimes a formal leak assessment process is recommended. ORP noted that there is a backlog of tanks that have been recommended for a formal leak assessment, and as the assessments are completed, and if there is a recommendation to change the status of the tank, the change will be made to the monthly report. ORP stated that there will continue to be discrepancies in the reports until all of the formal CHEM-D-42 leak assessments have been completed. ORP noted that it has asked WRPS about a time frame for updating the waste tank monthly summary report leak volume estimates to be consistent with the current estimates from the characterization reports. ORP added that the current leak loss estimates from the characterization reports should be used for the current work being done.

Ecology suggested referencing the tanks that have been recommended for a formal leak loss assessment with an asterisk in the HNF reports. ORP responded that it would follow up with Ecology's suggestion.

Ecology requested a revision to this action to include not only TX Farm, but all the tank farm leak loss reports, and to reference the leak loss assessment reports for each tank farm in the tank waste summary report. ORP agreed to revise the language for this action. This action remains open.

Action No. 9 (TF-18-03-01)

ORP stated that changes were made in the TPA report to identify the barriers as north, south or expansion, and it will follow up with WRPS to ensure the design documents have been revised with the barrier descriptors of north, south and expansion. This action was closed.

Action No. 10 (TF-18-03-02)

ORP reported that the only work that has been done in the expansion barrier area was the completion of the excavation for placing the pipes. ORP is in the process of sending a letter requesting WRPS to provide a proposal on the expansion barrier for construction. ORP stated that the field crew is getting ready to prep the north barrier. This action was closed.

2.0 SYSTEM PLAN

ORP stated that negotiations continue with Ecology regarding M-062-45, and an extension request to the end of May 2018 was processed and entered into the AR. ORP noted that the parties will be starting efforts with scenario development in 2019 for System Plan 9, which is due in 2020.

3.0 ACQUISITION OF NEW FACILITIES

ORP stated that there was no change in status as previously reported.

4.0 SUPPLEMENTAL TREATMENT AND PART B PERMIT APPLICATIONS

ORP stated that there was no change in status.

5.0 DIRECT FEED LOW-ACTIVITY WASTE PROJECTS

Low Activity Waste Pretreatment System (LAWPS) Significant Past Accomplishments - ORP stated that the Low Activity Waste Pretreatment System project name has been used for the last few years, and clarified that the LAWPS is a system that includes transfer lines and supporting equipment as well as the main box, which is the cesium removal facility. ORP stated that a contract change proposal was received from WRPS for an optimized LAWPS, and it includes the entire system. ORP stated that the proposed location for the optimized LAWPS is south of the AP tank farm, but very close in proximity, which will minimize transfer line distances, etc. ORP noted that the optimization effort will undergo a few iterations.

LAWPS Significant Planned Actions in the Next Six Months – ORP stated that it will be evaluating WRPS proposals and continue with design development of the cesium removal facility and other supporting components of the LAWPS. Ecology inquired about a time frame for a design briefing. ORP responded that the earliest time frame would be July 2018. ORP stated that there are decision processes under way in terms of timing for doing the cesium removal facility associated with LAWPS and the tank-side cesium removal (TSCR). ORP added that if the decision process is not completed by July 2018, a briefing should still be held with Ecology, along with continuing discussions to keep Ecology updated. Ecology suggested waiting until the August or September 2018 time frame for a briefing to allow ORP enough time to go through the decision process. Ecology noted that at this point an action was not needed to set up a briefing.

Tank-Side Cesium Removal (TSCR) Significant Past Accomplishments - ORP noted that WRPS received three vendor proposals for TSCR on March 12, 2018, and all three vendors proposals were responsive to the RFP. ORP provided comments to the proposals. The best and final vendor offers were submitted last week, which have been reviewed. ORP indicated that a decision on the vendor will likely be made soon, but the contract award will not be until the end of June 2018.

Ecology inquired about the duration of the contract that will be awarded. ORP responded that it is too early in the process. Ecology asked about the projected startup date for TSCR. ORP responded that the current integrated schedule shows the proposed startup date for TSCR in 2021, and there are always opportunities to accelerate the schedule.

Ecology inquired about the integrated schedule, asking if it includes all the components and interdependencies that will ensure a high probability of success in the projected time frame. ORP responded that the integrated schedule does include all the aspects that Ecology was referring to, and it is based on the three proposals that were received for the optimized LAWPS located south of AP Farm, the tank farm upgrades in support of TSCR and LAWPS, and the TSCR proposal. ORP noted that there has been some shifting of scope among the three proposals, which would be addressed through the errata process. ORP added that the decision regarding scope has not been fully made. ORP indicated that an in-depth presentation regarding the integrated schedule could be provided to Ecology in the July 2018 time frame.

Ecology asked if a contract is to be awarded for the tank farm upgrades. ORP responded that a subcontract had been awarded for the upgrades that were going to support the previous LAWPS design, and a large portion of the work that is necessary is already included in the contract that is being utilized. ORP stated that additional contracts will likely be awarded in the future for transfer lines, etc., but the design and procurement activities for the tank farm upgrades are under way.

Ecology stated that at one time, monthly meetings were being held regarding the scope of the tank farm upgrades, and a 60 percent design review had been potentially targeted for the March 2018 time frame. ORP responded that previously it was focused on AP-105 and AP-107 upgrades, and those tanks were probably what had been proposed for a design review. ORP noted that there have been several changes to the scope since the last meeting with Ecology, and a 60-80 percent design review won't be provided in the near future. ORP added that a meeting could be scheduled with Ecology to review the current scope of the upgrades to support TSCR and the optimized LAWPS. Ecology stated that a briefing would be helpful, especially to get an understanding of the changes in scope. Ecology noted that it would also be helpful in terms of consistency with developing a permit for the DST system. ORP agreed to schedule a meeting with Ecology to discuss the current scope of the tank farm upgrades.

TSCR Significant Planned Actions in the Next Six Months – ORP stated that the engineering procurement specifications for the TSCR system will be issued, and the September 2018 time frame is targeted for a 30 percent design review of the TSCR system. Ecology asked if the TSCR system includes the storage area for the spent waste. ORP responded that the TSCR system includes the box that will hold the filtration system as well as the ion exchange columns and the associated hose-in-hose transfer lines to AP Farm. ORP stated that the storage pad for the spent waste will be a part of the tank farm upgrades project.

Ecology stated that the TSCR system will create a new waste form that the Hanford Site has not managed, which will include an elutable resin and some type of storage cask, and the final disposition of the waste needs to be a critical part of the discussions. Ecology pointed out that in terms of permitting, not knowing what the final waste form will be, how it will be managed and disposed, including the casks, poses a challenge to permitting. Ecology stated that full disclosure and full discussions are needed to understand how the waste will be managed.

ORP asked if Ecology was referring to the ion exchange media that would be inside the ion exchange column for final disposition. Ecology responded that the reference was to both the ion exchange media and column. ORP stated that the current plan is to extract the resin media from the columns and incorporate it into the high level waste glass when the High Level Waste facility is operating. Ecology acknowledged ORP's plan, but pointed out three areas of concern: 1) how the resin will be removed from the cask has not been identified; 2) sufficient compatibility assessments have not been done to ensure the resin will go into the high level waste stream; 3) whether or not the contributors of concern within the media will be workable in glass. ORP responded that discussions could be held regarding how the resin can be incorporated into the waste form for high level waste glass. ORP noted that an evaluation has not been done regarding how the cask will be classified, but posited that the cask could be considered low level waste and grouted after the media has been extracted.

Ecology requested that as soon as possible, ORP provide sufficient science and project management and planning to ensure confidence with how all the components of the new waste form will be managed and disposed. ORP acknowledged Ecology's request.

Ecology clarified that ORP is stating that the nonelutable resin will be added to SST and DST tank waste that will be waiting for startup of the WTP. ORP stated that is the current plan.

6.0 242-A EVAPORATOR STATUS

Significant Past Accomplishments - ORP reported that the EC-08 campaign will be starting tomorrow (4/20/18), and the crew is conducting prestart activities. ORP noted that the lab analysis for the EC-08 campaign was completed, and the process control plan has been issued. ORP stated that waste has been staged in tank AW-106 and the pump has been replaced, which will allow the contents to be transferred over to the feed tank AW-102 after EC-08 is completed. ORP stated that EC-09 is scheduled for the June 2018 time frame.

ORP referred to the fourth bullet in today's monthly summary report and provided a correction to what was discussed during last month's PMM. ORP stated that last month it was referring to replacement of an ammonia monitor, and the statement should have been that an older continuous air monitor (CAM) was replaced with a newer CAM. ORP noted that it is common to replace older components because the parts aren't available and the vendors no longer service them. Ecology asked if an engineering evaluation for equivalency was done and placed in the operating record for the new CAM. ORP responded that it would follow up with Ecology's inquiry since it would fall under the engineering department. ORP added that a review of the permit will be done to determine whether the replacement CAM would need to go into the operating record.

Significant Planned Actions in the Next Six Months - ORP stated that the fire alarm control panel system is outdated and will be replaced. ORP noted that the parts are no longer available, and a new system will be installed following the EC-09 campaign.

Ecology noted that it is reviewing the integrity assessment that was just completed, and it will be providing comments to ORP. ORP stated that it is also reviewing the integrity assessment, and suggested scheduling a tour with Ecology to look at some of the aspects covered in the integrity assessment.

Ecology stated that the TPA monthly report that was issued in January 2018 indicates a future campaign and outage schedule would be established within the next six months, and an updated schedule should be provided in May or June 2018 for future campaigns and outages. ORP stated that schedules for more than a year out are estimates and used as planning documents, and the latest estimates for next year's campaigns could be provided. Ecology noted that the contractor has a contract date that expires with a potential extension, and requested that ORP provide the schedules for those periods of time, which is two years. ***ORP agreed to provide the two-year outlook for 242-A campaigns in the next monthly summary report.***

7.0 LIQUID EFFLUENT RETENTION FACILITY/200 AREA EFFLUENT TREATMENT FACILITY (LERF/ETF)

ORP reported that the inter-basin transfer from Basin 42 to Basin 43 was completed, and it is reflected in the approximately half million gallons in Basin 42. A temporary dewatering pump will be installed in Basin 42 to remove the remaining liquid, which will allow the field work for the Basin 42 cover replacement project to start.

ORP stated that no progress had been made in the volume processed as of the end of this reporting date, but operations started up this week and waste processing is continuing. ORP noted that repairs were completed to the ETF vapor compressor system, which is what had prevented the ETF facility from operating in March 2018. Ecology inquired about the issue that required repairs to the vapor compressor system. ORP explained that the crew noticed the vapor compressor was making more noise than usual, and following internal inspections, some auxiliary components were replaced, including a motor that was close to failure.

Significant Planned Actions in the Next Six Months – ORP noted that processing is under way at LERF Basin 43. After processing has been completed from Basin 43, the facility will enter into a plant outage and cleanout, and then move to processing out of Basin 44.

ORP noted that the ETF integrity assessment is under way and will continue.

Ecology asked in what fiscal year the Basin 44 cover replacement project will be done. ORP responded that the Basin 44 cover replacement is planned for FY 2019. ORP noted that WRPS will be submitting a draft baseline change request, and that would provide more clarity regarding projects forecasted for the next two fiscal years. ORP suggested that a meeting could be scheduled with Ecology in the June 2018 time frame to discuss some of the forecasted projects for ETF. Ecology suggested that the leakage rate for Basin 43 could be included in the meeting (see discussion under issues).

Issues – ORP reported that the leachate rates continue to decrease in Basin 43, even after more contents were transferred into Basin 43. Ecology asked if ORP had ruled out that the leachate rate was due to a leak in the liner. ORP responded that the increased leachate rate was identified as an anomaly and not a leak. ORP stated that the increase was believed to be the result of mechanical equipment not operating effectively, allowing an overflow in the sump, along with issues that were identified by the vendor that would cause an increase in leachate. ORP noted that since operations have started up and there is pressure on the basin, initially there was a large decrease in the leachate rate and it continues to decrease.

Ecology requested an action to schedule a meeting to discuss the leakage rate for Basin 43. ORP agreed to schedule a meeting with Ecology.

ORP Action: *ORP to schedule a meeting with Ecology to discuss the Basin 43 leakage rate.*

8.0 TANK SYSTEM UPDATE

Double-Shell Tank (DST) Integrity – Significant Past Accomplishments: ORP noted that the enhanced annulus video inspection in AY-101 was completed.

DST Integrity - Significant Planned Actions in the Next Six Months: ORP stated that the ultrasonic testing (UT) was completed in AY-101, and the crew is moving over to AZ-101 to start UT within a week.

Ecology requested that ORP include a flush and pump activity that is planned for AY-102 in August 2018 as one of the significant planned actions. ORP agreed to include the plan as a bulleted item. Ecology requested a status on a leak that occurred in the AP-02A pump pit when waste was being moved in preparation for the upcoming 242-A Evaporator campaign. ORP responded that there are plans to do repairs this summer, and the topic will be included in next month's summary report.

Secondary Liners – Ecology inquired about the modeling potential water ingress routes into the annulus system. ORP explained that in the DSTs, there is a leak detection system outside of the secondary liner that is intended for collection and to provide indications of a leak outside the secondary containment. ORP noted that a lot of the systems accumulate water, and the water has been sampled many times in the past and identified as water, but it is not known how the water gets into the system. As a result, the Subsurface Transport Over Multiple Phases (STOMP) model that is used in the vadose zone is being used in an attempt to gain a better understanding about how the water is getting into the leak detection pit system, and then possibly mitigate the water getting into the system.

Ecology asked if there is a deliverable planned for the STOMP modeling, and if it is part of the integrity program. ORP responded that it is part of the integrity program, and it would follow up with Ecology's question about a deliverable. ODOE inquired about the volume of water in the system. ORP responded that it is not a large amount and it is not in all of the systems. ORP noted that there is a small set of systems that need to be pumped a few times a year, and the volume is around 100 gallons.

Single-Shell Tanks (SST) Integrity – Significant Planned Actions in the Next Six Months: ORP stated that there were no updates to report.

Independent Qualified Registered Professional Engineer Activities – (See pg. 17 of the TPA report).

9.0 SINGLE-SHELL TANK INTEGRITY ASSURANCE

ORP noted that the Independent Qualified Registered Professional Engineer (IQRPE) SST integrity assessment is under way and on schedule.

10.0 IN-TANK CHARACTERIZATION SUMMARY

Significant Planned Actions in the Next Six Months – ORP reported that sampling in C-105 is under way for the retrieval data report (RDR). Ecology noted there had been a concern about being able to get enough samples from C-105. ORP stated that the crew has not had an issue with getting samples, and the samples are meeting the requirements.

ORP stated that the old pump was removed from AZ-102 last week, and a new pump needs to be installed and operational before recirculating and then sampling. ORP noted that a grab sample is still planned in AY-102 in August 2018. Ecology asked why AY-102 will be sampled. ORP

responded that another flushing cycle is needed in the September/October 2018 time frame, but a sample is needed before that cycle to determine the waste constituent and how much caustic is needed to break up the waste. ODOE asked if that would be a third technology. ORP responded that it is not a third technology, but more of a final rinse because there is new material in the annulus. Ecology asked if the grab sample in AY-102 is from the annulus. ORP indicated that it is probably a tank sample.

Ecology clarified that there had been a discussion with ORP regarding the AY-102 grab sample, and the plan is to add some water and then some caustic, which is anticipated to leak into the annulus. The material in the annulus would then be pumped back into the primary tank and then pumped to a different tank. ORP stated that the process would be followed with a water flush to get the remaining caustic and soluble material out, including tech-99. ORP added that the reason for the sample would be to determine what is in the primary tank, and a sample would probably be taken from the annulus. Ecology noted that this process is the pump and flush planned for August 2018.

Ecology asked if ORP has a plan in place for the AY-102 pump and flush process. Ecology noted that for SST retrievals there is a retrieval plan and a sampling plan where the waste in the tank is rinsed three times and then a sample is taken. Ecology stated that there are activities under way operations-wise, and there have been discussions about closing the tank and the closure plan, but it was not clear what documentation has been agreed to and when it would be provided. ORP responded that it would provide Ecology the sampling plan, which should include the information that is being discussed today. Ecology requested a briefing on the plans for pumping and flushing and sampling AY-102. ORP noted that the AY-102 pump and flush plan has not been finalized, and a pit needs to be reconfigured to remove a jumper.

ORP Action: ORP to provide Ecology a briefing in May 2018 on the pump and flush plan and the sampling plan process for AY-102.

Ecology asked if the sampling plan has been completed for the A-105 sampling planned in August 2018. ORP will follow up with Ecology's request and send the sampling plan over to Ecology if it has been completed.

11.0 SINGLE-SHELL TANK CLOSURE PROGRAM

ORP reported that the status of M-045-92O for the barrier 3 design is to be missed, and it will not meet the June 2018 due date. An agreement in principle (AIP) is being prepared for Ecology and ORP signature. ORP noted that the status of five related milestones has been changed to at risk, and they are M-045-92P, M-045-92-Q, M-045-92R, M-045-92T and M-045-92-U. ORP stated that those milestones are all tied together in the change control form that had been sent to Ecology. Ecology asked when the status of M-045-92O was changed to to be missed. ORP responded that the milestone had been carried at risk, but since an AIP was not in place to put the milestone in abeyance, it was changed this month.

Ecology noted that a discussion had not been held with ORP regarding good cause to miss milestone M-045-92O. Ecology suggested that if good cause is going to be lack of appropriated funding, ORP should invoke force majeure. Ecology stated that it may not want to sign an AIP if ORP invokes force majeure due to lack of appropriated funding, and there needs to be further

discussion. Ecology added that the deadline has passed for submitting a signed change request, which makes ORP subject to enforcement, and a meeting should be scheduled to discuss the issue. ORP noted that a change request was submitted to Ecology in December 2017, and Ecology responded with its position to ORP's proposal in mid-February 2018. Ecology stated that if ORP did not sign the change request, the time frame has passed and ORP needs to refer to the provisions of the TPA on stipulated penalties and disputes. Ecology noted that ORP is within the time frame for submitting a signed change request for M-045-92T.

Ecology asked if ORP proposed an alternate date in the change package for the milestones that are to be missed. ORP responded that initially a date was proposed for the June time frame, but there have been discussions with Ecology since the change package was prepared, and the path forward has changed from covering the whole farm at the same time to doing the design for the north barrier at TX Farm. ORP added that an AIP had been signed with Ecology last month, and part of the negotiation discussions would have addressed how the parties move forward regarding the north barrier at TX Farm versus the whole TX Farm barrier. Ecology responded that it would need to review the change package, including the proposed dates, because its understanding was that ORP was progressing on the current set of barriers that had already been agreed upon, and that may not be the correct understanding. Ecology asked if ORP was still working on the SX Farm barrier. ORP responded that work is under way on the SX Farm barrier, and stated that a request for proposal for construction of the expansion barrier at SX Farm is being issued. Ecology and ORP agreed that a meeting will be scheduled in the near future for further discussion.

Ecology inquired about a recovery plan for M-045-92O. Ecology noted that if the good cause for missing the milestone is a funding issue, a recovery plan wouldn't be needed, although there would be some required paperwork.

ORP noted that as requested by Ecology, the monthly summary report has been revised to identify the barriers by tank farm. ORP reported that the evapotranspiration basin in SX Farm is essentially complete. The field work will be started in the next few weeks to prep the ground for the asphalt on the SX Farm north barrier, and the asphalt is planned to be done in June 2018. The crew will then move to the SX south barrier, and the asphalt will be done in late August, early September 2018.

12.0 SINGLE-SHELL TANK RETRIEVAL PROGRAM

ORP stated that there were no changes in the report from last month.

13.0 TANK OPERATIONS CONTRACT OVERVIEW

(See pages 28-37 of the TPA monthly summary report).

CONSENT DECREE MONTHLY SUMMARY REPORT REVIEW

1.0 CONSENT DECREE MILESTONE STATISTICS/STATUS - CONSENT DECREE REPORTS/REVIEWS

Ecology referred to the discussion during the tank farms portion of today's meeting and the action item that was taken by ORP to propose new dates for the project manager meeting (PMM). Ecology stated that the purpose of the action is to ensure the Consent Decree (CD) monthly summary report is available for the PMM, and noted that the CD report is not available today. Ecology reiterated its perspective that it is critical to have the CD report for the PMM discussion. ORP stated that before proposing new dates for the PMM, a commitment will be needed from the front office to ensure the CD report will be issued before the meeting. ORP noted that the tank farms and WTP meetings will continue to be scheduled back-to-back.

ORP stated that it is in the process of making a few changes to the monthly and quarterly summary reports. One of the changes is to narrow the scope of the significant past accomplishments and significant planned activities from three months to one month. ORP stated that the purpose is to provide full documentation control and more clarity on why activities have been delayed or haven't been done. Conversely, the report will document what activities have been completed or will be completed by adding sub-bullets for completed accomplishments and ongoing activities.

ORP stated that another change is removal of the personnel numbers in the WTP section. An internal review reflected that the numbers didn't represent the actual personnel on site. The personnel numbers were created by dividing the total hours by a full-time equivalent, and the number would fluctuate due to vacation, a work shut-down or weather. ORP noted that the personnel numbers are not required in the CD report, but the information could be provided if Ecology requested it.

ORP noted that there is a new WTP federal project director, who is reviewing the information to make some changes regarding how it is being reported in the CD.

ORP stated that the timing of the CD quarterly report contained information that was off by one month, which didn't allow the opportunity to brief Ecology during a monthly PMM. The quarterly CD report will be revised to align more with the information that is provided in the monthly summary report. ORP noted that the quarterly reporting has a 45-day lag after the end of the quarter, and there was an issue with briefing Ecology from the CD report and also providing the current status. The intent is to allow the team to prepare the CD report in a more efficient manner and provide a more current narrative. ORP also noted that there is an internal legal review under way on the changes to the CD reporting, and there will be a slight shift in the legal team.

The reports, agreements, issues, and actions were discussed and updated as follows:

Action No. 1 (WTP-15-01-01)

ORP stated that a briefing was provided to Ecology in January 2018. This action was closed.

Action No. 2 (WTP-17-08-01)

ORP stated that a briefing was provided to Ecology in January 2018. This action was closed.

Action No. 3 (WTP-17-10-01)

ORP reported that the maintenance plan was sent to Ecology yesterday (4/18/18). ORP noted that the maintenance plan has not been approved, but it is in the concurrence process. Ecology acknowledged receipt of the maintenance plan, and it has been distributed to the Ecology team. Ecology asked if ORP was interested in a set of comments on the maintenance plan, if any comments are generated. ORP responded that it's Bechtel's maintenance plan program, but if Ecology had any significant comments or issues, they could be sent over informally. Ecology stated that when the maintenance plan has been approved, this action could be closed. This action remains open.

2.0 SPARE REBOILER REQUIREMENT STATUS

Delivery of the reboiler is anticipated ahead of the milestone due date of December 2018.

3.0 SINGLE-SHELL TANK RETRIEVAL

Significant Accomplishments During the Prior Three Months - ORP stated that obsolete equipment is being removed from AX-102 and AX-104, and a salt well screen and a sluicer were pulled last month out of AX-104. ORP noted that removal of obsolete equipment will continue.

ORP stated that the C-105 sampling plan was issued, and sampling in C-105 is currently under way. ORP noted that installation of the caustic and water system piping is continuing from the A-285 building to the fence line, which will be followed with installation from the fence line going towards the tanks in the "backbone" area, which runs down the center of the tanks and branches out to each tank. ORP stated that the installation in the backbone area will go underneath the ventilation system. The ventilation ducts are elevated and sloped, and there are stanchions underneath where piping can be placed, which will help prevent clutter around the tanks.

ORP reported that the inspections were completed on the seal loops on the A Farm exhaust system in preparation for grouting all the tanks. ORP noted that the set of as-built drawings indicated the seal loops had been grouted, but no grout was found during inspection. A mockup will be set up and grout will be developed for grouting the seal loops. Ecology inquired about disposal of the grouted seals. ORP responded that the seals will remain in place, and are located a few feet underground. Ecology asked if samples or swabs were taken on the seal loops. ORP responded that no samples were taken, and the seals were inspected to determine whether there was any grout, water or condensate in them. The inspection was done by opening up a small line and putting in a flexible camera lens. Ecology asked if the inspection went all the way to the valve. ORP stated that camera could not see the valve, which was on a two-inch pipe that was up to 20 feet away. ORP added that the crew did excavate to the valves to determine whether they were open or closed, but most of them had the stem cut off at the top of the valve so they could not be checked. ORP noted that the valves that were checked did not move, so they were assumed to be frozen in place.

Ecology asked about the size of the seal loop pipe. ORP stated that it's a 20-inch to 24-inch duct, and it has a dip well to catch condensate, which drains out through the two-inch line back to the tank or wherever it had been routed. ORP noted that the seal loop pipe is part of the ventilation duct, and it will be filled with grout. Ecology asked if any swabs will be taken. ORP responded that it will be considered contaminated. ORP added that when a couple of risers were opened in A-105 to video the waste on the floor, the crew had to back off and revise the radiation work permit because the rad levels were higher than expected. Ecology stated that the grouting of ventilation that ORP is planning might be an activity that would be described in the integration study to help understand how A Farm will be closed. ORP pointed out that C Farm did not have an in-ground ventilation system, but AX Farm did have an in-ground ventilation system where a similar grouting activity was done. ORP added that seal loops weren't used in AX Farm, and bladders were placed inside the ducts and inflated, and then grout was pumped in there. Ecology stated that the grouting in the A Farm ventilation system will be placed on the punch list for discussion on the integration study.

ORP stated that a drain line was found that was connected from each seal loop down to the tanks that had isolation valves, and most of the valves had the stems cut off below grade. The assumption is that the valves are in the open position, and a stiff grout will be developed to pump in there to seal up the line. ORP noted that field work continues in A Farm for the exhaustor pads, and excavation is being done for the footwork and rebar installation.

ORP stated that the foundations for the AX Farm control trailers were poured, and the trailers were delivered last week and set into place. The connections to the trailers are currently being done.

ORP stated that the ingress/egress tent for AN Farm has been completed, and the crew will go back in to remove the hose-in-hoses, remaining shield plates and hose barns. ORP noted that the work will cover the area from AN-101 and AN-106 down to C Farm.

Significant Planned Activities in the Next Three Months - ORP stated that removal of obsolete equipment from AX-102 and AX-104 will continue, and pit cleanout for AX-101 and AX-103 is being done. Installation of the exhaustor pads will continue in A Farm, and the ventilation ducts and piping in A Farm will be isolated.

ORP stated that in C Farm layup, the raw water skids and electrical skids are being disconnected and will be removed out of the farm.

Issues - ORP reported that there were two stop works last month related to the self-contained breathing apparatus (SCBA). There has been some degradation with the SCBA and some pieces of material in the mask were found. ORP noted that those issues have been resolved, and 400 new sets of SCBA racks have been ordered, with about 200 SCBA racks received. ORP noted that the SCBA racks are one unit and include the tank, harness, mask, hose and regulator. ORP stated that the number of personnel certified to inspect, overhaul and repair the SCBA has been increased from one to four. A communication process between the SCBA user and the inspector has been developed for identifying problems, which is expected to reduce some of the issues.

4.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

ORP stated that there was no change in the status of the tank waste retrieval work plans.

5.0 SINGLE-SHELL TANK RETRIEVAL MONTHLY FISCAL YEAR EARNED VALUE MANAGEMENT SYSTEM (EVMS) DATA

Ecology agreed to forego a discussion today regarding the EVMS data, and it would follow up with any questions when the CD report is issued.

6.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECT

ORP noted that the status of milestones D-00A-17 and D-00A-01 is still under analysis. Ecology asked if ORP has a sense as to when the independent reviewers will present their findings. ORP deferred Ecology's inquiry to the discussion under the High Level Waste Facility (HLW). ORP noted that funding for HLW will also be discussed in terms of the next steps that will be taken regarding the funding HLW received for FY 2018.

ORP referred to the project performance review (PPR) that was conducted in October 2017, and noted that several optimization efforts resulted from the PPR. ORP stated that some of those optimization efforts were completed, and there are three optimization efforts currently under way that are updated in the CD report. ORP stated that one of the optimization efforts is the ongoing discussion about the strategy for the operational readiness review (ORR) and whether it should be done prior to the start of cold commissioning, or at the start of hot commissioning as already planned by the project. ORP stated that most of the hazards associated with the facility are chemical-related hazards, and the chemical related-hazards will be entered at the start of cold commissioning. Discussions are continuing with the contractor about the impacts of moving the ORR from the start of hot commissioning to the start of cold commissioning. ORP noted that the discussions are pointing to a management self-assessment, which was already planned, that would cover a few more areas of the operation than originally planned in an effort to ensure safety both in the facility and with operations.

Ecology stated that its understanding of the ORR process is the contractor would conduct its ORR and then present ORP with a readiness to proceed, which would be followed by ORP's ORR. Ecology asked if the entire ORR process would be moved or if it would just be ORP's portion of the ORR. ORP responded that Ecology's understanding of the ORR sequence is correct, and the options are still being discussed. ORP pointed out that the discussions regarding the timing of the ORR process will not change any of the milestones, but is more of an optimization opportunity and ensuring the facility is ready to operate.

ORP stated that included in the ORR optimization efforts are discussions about commissioning one of the melters during cold commissioning, and then commissioning the second melter after lessons learned on the first melter. Commissioning of one melter would involve running simulant through the melter and conducting an environmental performance demonstration test. Ecology noted that it had been involved with those discussions. ORP stated that an engineering analysis is needed from the contractor to prove the bounding testing can be done that is required by the environmental performance test on the offgas system with the one melter. ORP noted that the data from the engineering analysis is just starting to come in, and ORP will continue to provide updates to Ecology during the meetings.

ORP stated that the second PPR optimization effort in the CD report is the streamlining of the WTP baseline change management process, which continues to be an ongoing activity.

ORP stated that the third PPR optimization effort is associated with resolving and closing the backlog of find and fix level C condition reports. ORP reported that a CR task force has been established, which is being managed by one of the contractor's engineering directors. All of the condition reports are being reviewed that are older than 1,000 days or more as to why they are still open, and what it would take to close a condition report if it's been verified. ORP stated that the CR team is also establishing a process for finding and fixing. ORP noted that with the A, B, C, and D condition reports, the condition C and below should not be staying open as long as they have been and continue to be find and fix. ORP stated that the effort is in support of the project shifting out of engineering, procurement and construction (EPC) and moving into startup, commissioning and operations.

Ecology asked if there are level C condition reports greater than 1,000 days. ORP responded that there are some, but noted that if there are level C's in the Pretreatment facility, since there is a hold on design and if a change had been made, the condition report would remain open. ORP stated that the CR team will be binning the level C's and below separately where they can be managed. Oregon Department of Energy (ODOE) inquired about a volume estimate of the level C's. ORP responded that an estimate had been determined, but it could not recall the number. ORP noted that the project was originally set up to deliver everything, and that process was used to address the condition reports. ORP added that the project has shifted to delivering on certain portions, such as operating DFLAW and what needs to be considered when design is resumed at HLW. ORP indicated that the level C's are not critical items that will prevent WTP from operating, but they do need to be addressed.

Earned Value Management System (EVMS) – ORP stated that the individual federal project directors will discuss the EVMS data when they are presenting their facilities.

ORP noted that there are continued unfavorable cost and schedule variances due to the optimization efforts and also the recast schedule that was received on February 7, 2018, which did not include commissioning at that time. The February 7 recast schedule lined up different parts of the project that were associated with the optimization efforts. ORP stated that a new version of the schedule was received on March 7, 2018, based on ORP's comments, and an updated schedule was received at the end of March 2018 that included commissioning. ORP stated that a review of the schedule continues, with a focus on how the contractor plans to deliver the whole DFLAW project by January 15, 2022.

Ecology noted that when ORP speaks to the whole project, it is not just the WTP contractor, but it also includes the tank farms contractor. Ecology asked if there is a fully integrated, whole project schedule that is up to date and available. ORP responded that a schedule is not available since the recast schedule with the commissioning piece was recently submitted and is being reviewed. ODOE inquired about a time line for review and approval of the schedule. ORP responded that the schedule hasn't changed in terms of what the DFLAW and LAW, BOF and LAB (LBL) facilities are working to, and the buildout time frames are very close to what they have been. ORP noted that there has been a lot of reprioritization, which creates instability in terms of variances that are established against a baseline that has a very specific buildout. ORP added that it is in the process of sorting out the schedule variance misalignments that result from internal optimization efforts.

ORP pointed out that buildout of the Effluent Management Facility (EMF) within BOF continues, and has accelerated in several areas. ORP noted that recasting the schedule is not visible when looking at the project from the outside, but it becomes visible when looking at the logic ties and the way earnings are being reported. ORP added that through the permitting effort, Ecology is very aware of the schedule, with EMF in particular, and the permitting teams' efforts are closely aligned with the schedule. ORP noted that the EMF project began with a temporary authorization (TA) to start construction, but a TA has not been needed since that time because of the way the EMF project has been aligning its activities and the receipt of procurements.

7.0 PRETREATMENT FACILITY

ORP stated that the focus in PT continues to be resolution of technical issues. ORP stated that the report on the standard high solids vessel testing (T4) is nearing completion. ORP noted that the remaining piece of the report is additional analysis on the low solids vessel, which did not need testing. ORP stated that the report is anticipated by the first week in May 2018. ORP stated that a synergistic analysis for erosion/corrosion (T5) is being prepared and is anticipated to be finalized in early May 2018. ORP stated that when the T4 and T5 reports are finalized, they will be sent to DOE-Headquarters and the Defense Nuclear Facilities Safety Board (DNFSB) for review.

ORP noted that preventative maintenance in PT continues, as needed.

ORP provided an update on the request to the U.S. Army Corps of Engineers (USACE) to conduct a parametric analysis to evaluate whether certain PT and HLW milestones could be met, and the funding that would be needed if PT and HLW are kept in preservation mode for three to five years. ORP stated the USACE report is anticipated in the May 2018 time frame, and it will be reviewed internally and by DOE-Headquarters.

8.0 HIGH-LEVEL WASTE FACILITY

ORP reported that funding for FY 2018 of \$75 million was appropriated for HLW. ORP stated that the overall funding for WTP had been carried at \$690 million and is now at \$740 million. ORP noted that most of the funding in FY 2018 had been directed to DFLAW, and the additional funding will allow some work to go forward in HLW. ORP stated that there are three control points, and HLW now has its own control point, along with the DFLAW and PT control points. ORP pointed out that although there is a positive aspect to receiving funding, it is halfway through the fiscal year, which makes it difficult for Bechtel to plan work for the remainder of the year. ORP added that currently there is no plan for additional funding for HLW in FY 2019. Ecology stated that Bechtel would need to plan for the carryover into FY 2019. ORP agreed, and noted that there are discussions about how to manage the funding.

ORP noted that as soon as the FY 2018 funding for HLW was received, a spend plan was requested, and Bechtel provided the spend plan last week. ORP stated that currently there is a plan to spend about \$25 million this year, and then raising it to \$40-\$50 million next fiscal year. ORP referred to the recommendation from DOE-Headquarters to move the design forward to a certain point before resuming EPC in the field. ORP has discussed with Bechtel resuming design based on the changes resulting from technical issue resolution and the PDSA that was approved in September 2017. ORP pointed out that would reduce the percent complete for HLW design,

and the plan is to reach 60 percent design before resuming EPC. ORP noted that there is also a contract modification being done, which will be included in the spend plan. ORP stated that many of the procurements for HLW have already been completed and the materials are on site. The spend plan will establish a certain point of completion for engineering and then resumption of field activities with the materials that have been received.

ODOE asked what portion of the \$25 million will go to design. ORP responded that the two main priorities are incorporating the design changes into the high level requirements documents and updating the baseline. ORP noted that an updated baseline will provide a better understanding of schedules and what funding will be needed.

ORP stated that a key aspect of the funding discussion with DOE-Headquarters is the need to retain the highly-qualified technical staff, particularly as DFLAW starts reducing its technical staff. ORP stated that the newly allocated funding for HLW will help retain some of the technical staff.

Ecology asked if the USACE analysis will have an impact on the spend plan, and how much of the \$75 million will be planning work versus actual work in the field. ORP reiterated that the main focus will be incorporation of design changes and updating the baseline, along with procurement of the RLD-7/8 vessels and some long-lead procurements. ORP elaborated on Ecology's question by stating the uncertainty regarding funding raises a concern about resuming field work. ORP noted that there has been support from Congress to keep HLW moving forward. Ecology asked if ORP's intent is for the funding to remain at \$740 million. ORP responded that \$740 million is not a firm number for future funding considerations. ORP noted that the USACE analysis is looking at whether HLW could return to the \$690 million after DFLAW becomes operational in 2021-20222. ORP added that operations would be another funding consideration, and the \$690 million would probably not be adequate.

ORP stated that when the rebaselining and the contract modification are under way, there will be more clarity on the funding expectations. ORP noted that a commitment is needed from Congress and DOE-Headquarters for funding to operate DFLAW and to provide high level waste from PT. ORP stated that there are ongoing discussions regarding direct feed high level waste, including how much funding would be needed, and the USACE analysis will consider those aspects. ORP referred to the discussion on technical issue resolution for PT regarding the standard high solids vessel (T4). ORP stated that the T4 report should be issued by July 2018, and PT would then be in a position to start conceptual design. ORP noted that there is some funding available for PT, but a long-term commitment is needed before resuming design in PT.

9.0 LOW-ACTIVITY WASTE FACILITY

ORP reported that the final version of the Documented Safety Analysis (DSA) was received on March 23, 2018, and the Safety Evaluation Report (SER) approval letter is expected to be issued by early May 2018. ORP noted that approval of the DSA was a major effort over a long period of time. ORP offered to provide a briefing to Ecology on the results from the DSA regarding the main controls that are associated with operation of the facility. Ecology responded that a briefing would be very helpful.

ORP Action: ORP to set up a briefing with Ecology on the DSA/TSRs for the LAW facility. The briefing will be scheduled during the first of June 2018.

ORP noted that the nuclear safety work will continue after the DSA is approved, and it is anticipated that there will be a Revision 1 to the DSA before commissioning of the LAW facility. Ecology stated that a revision to the DSA would be a matter of managing by exception. ORP stated that there is a small amount of design work that is pending additional control changes, but the revision will be by exception and will not perturbate the DSA. ORP added that the DSA will be considered complete to what is currently known, and there will be an annual update to the DSA once it is in operation, which is part of the planned operational improvements.

ORP reported that Bechtel is working towards completion of a contract milestone for construction by mid-May 2018. ORP noted that the contract milestone due date is June 2018, and it is a fee-based milestone.

ORP stated that the system walk-downs are under way. There is an eight-week walk-down of systems that is conducted, and a punch list is created that the construction organization needs to complete before turnover. Following that process, three weeks before turnover to the startup organization, a walk-down is done to ensure the punch list items have been completed and to identify minor items. Another walk-down is done before turnover to the startup organization. ORP referred to the CD report, which lists the eight-week and three-week walk-downs under way and the systems that are planned to be turned over in the next month. ORP noted that one portion of the fire detection and alarm system and one portion of the fire protection water system have been turned over to the startup organization.

ORP stated that two critical path activities for the LAW facility are the safety class software system and the gas analyzer. The software system has been awarded, but there will be changes from the DSA controls, and there are discussions regarding a change to the software contract. ORP stated that the contract for the vendor working on the gas analyzer was canceled, and a new vendor contract was awarded for the procurement.

ORP stated that changes are being made to the schedule based on the optimization efforts. The optimization report is in internal project controls review, and ORP is working with Bechtel to ensure the new schedule will meet the requirements.

10.0 BALANCE OF FACILITIES

ORP reported that equipment permit package No. 3 for EMF was formally submitted. ORP added that equipment permit package No. 2 just completed the public comment period and is entering into comment resolution. ORP noted that package No. 2 allows placement of all the major vessels. ORP stated that procurements for the major vessels are under way, and the evaporator was received on site yesterday (4/18/18) and is sitting in the material handling facility. A tower will be built for the evaporator, and when that has been completed, the evaporator will be brought in and the components will be built and attached in preparation for setting the evaporator later in the year.

ORP stated Greenberry and Harris Thermal are building the major vessels, which will be shipped from the Portland, OR area. A three-month window is being targeted at the end of this calendar year to start installation of all the major vessels.

ORP stated that placement has been completed of the second lift walls, and all the structural concrete is now complete for the EMF processing building. The next step with concrete will be placement of the second lift walls for the low point drain vessels, and the stanchion and rack work will continue on the interior of the EMF.

ORP stated that a big focus for some time with other portions of BOF has been on the cooling tower, and testing of the large motors that sit in front of the cooling tower was started last weekend. The motors will provide process cooling water for the chiller compressor plant, the steam plant, and the LAW facility, which is a key service provided from BOF because it cannot be replicated, due to the volume that is needed. The reservoir for the cooling tower is targeted to be filled in mid-May 2018.

ORP reported that the water treatment facility has gone through a majority of its functional testing, and the entire building is anticipated to be certified by the end of this month with its functional testing. ORP stated that there are three water systems, including potable water, process service water, and demineralized water, and the process service and demineralized water are already operable and in service with functional testing complete. ORP noted that two valves were identified as being required for the potable water system, and those valves were recently installed, which will allow functional testing to proceed on the potable water system.

ORP stated that the focus with the steam plant has been completion of all the internal modifications to reroute piping and isolations since the steam plant will be under a much lower service load. ORP noted that there are smaller systems moving through the turnover process as well as the larger high pressure steam, but the activities with the steam plant will continue for a few more months.

ORP stated that the focus in the chiller compressor plant is preparing to start up the chillers, which will require the process cooling water, and that is one of the reasons for focusing on the cooling tower. Once the chillers are operational, they will provide chilled water to support startup of the air compressors.

ORP stated that all of the systems discussed are with the startup organization, and the focus is turning to the initial startup of the large pieces of equipment, which is an important step in the project. ORP noted that startup of the equipment will show how it's running and how it's testing out as soon as possible to allow recovery in the overall schedule if there is an issue with running a piece of equipment. ORP pointed out that startup of the chillers, compressors and boilers are the three key large components that need to be up and running in BOF to ensure support for LAW into the commissioning phases in the next two years.

ODOE asked if the water will be drained after the systems have been filled and tested. ORP responded that they will not be drained because the startup will be progressive. ORP added that startup is being done in a very specific order, and all of BOF is integrated and interdependent. ORP stated that the system loads will be much lower and not required to operate at full capacity.

ORP noted that there is an NLD system that has a large onsite tank to collect all of the non-radioactive drains, and an interface control document-5 (ICD) was put into place about six to eight months ago that allows the ongoing discharges to the Treated Effluent Discharge Facility (TEDF) via permit.

11.0 ANALYTICAL LABORATORY

ORP stated that there are two main activity sets working in parallel at the Analytical Laboratory (LAB). The offsite lab work is under way where all the methods development is being done, and the final piece of analytical equipment should be installed in the offsite lab by the first week of May 2018. ORP stated that the staff are currently going through methods validation and development to ensure the methods that are in place will work, and to determine an actual through-put that will be needed when the equipment is procured for the LAB. ORP stated that the next step will be the certification and verification within the LAB, and the mechanical work is ongoing in the LAB which involves the startup testing. ORP noted that 16 of 33 systems have been turned over to the startup organization for testing, followed by turnover of systems for testing in the LAB.

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –April 2018

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. Senior management will continue to be briefed if any follow-on actions arise.

Issues:

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –April 2018

#	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. (3/14/2018)	Dusty Stewart	On Hold
2	TF-16-11-05	11-17-16	ORP to provide Ecology results of the four tanks that were visually inspected at ETF	In clearance process Has been released to SmartPlant for internal review. Expect to be released for public soon (3/14/2018)	Richard Valle	Open
3	TF-17-04-01	4-20-17	ORP to provide Ecology with schedule updates on the removal of the 242-A Evaporator diesel generator.	Provide layout of phased plan to include short and long term activities. Schedule has not been established yet. (3/14/2018)	Paul Hernandez	Open
4	TF-17-09-01	9-20-17	ORP and Ecology will meet to discuss appropriate venue for requests related to DSTs	TBD. Discussion will be added to either the TPA or the permitting meeting.	Bryan Trimberger	Open
5	TF-18-11-1	11-16-17	ORP to brief Ecology on the LAWPS technical scope changes	TSCR briefing in February 2018 on LAWPS and AP Farm upgrades. Include Dan McDonald, Jeff Lyon, Jay Decker, Cheryl Whalen and Steve Lowe Briefing provided on 02/26/2018.	Steve Pfaff/ Janet Diediker	Closed 03/14/18
6	TF-18-11-2	12-1-17	ECY requests ORP to meet on SST RPP-9937 LDMM	Meetings have occurred a few times already and are ongoing. (03/14/2018)	Jeremy Johnson	Closed 03/14/18
7	TF-18-11-3	12-1-17	ECY requests ORP to meet on HNF-3484 Double Shell Tank Pumping Guide		Jeremy Johnson	Open
8	TF-18-02-01	02-15-18	ORP to clarify why there is a discrepancy between the HNF-EP-0182, <i>Waste Tank Summary Report</i> and RPP-RPT-57964, <i>Vadose</i>		Jeremy Johnson	Open

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –April 2018

#	Action ID	Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
			Zone Characterization Report for 241-TX Tank Farm (leak loss report)			
9	TF-18-03-01	03-14-18	Ecology requests that the design documents clarify the barriers descriptively e.g . north, south and or expansion vs only referencing the barriers as 1, 2, 3, or 4.	Jan will ensure that this happens in future updates. Currently Barrier1 is SX South Barrier, Barrier 2 is SX North Barrier, Barrier 3 is TX Farm, and Barrier 4 is U farm. The Expansion Barrier at SX Farm does not have a number associated with it.	Jan Bovier	Open
10	TF-18-03-02	03-14-18	CD SST retrieval section EVMS (March report page 12) discusses SX Tank Farm excavation in the north area. Ecology requests clarification if this is the area for the SX barrier expansion.	Work crews are currently excavating for the diversion box and piping for the South Barrier (Barrier 1) and the North Barrier (Barrier 2). The plan is to excavate for the piping and diversion box for the expansion barrier as well without installing any additional material at this time. This will allow the exposure of subsurface obstructions that will need to be cut and capped.	Jan Bovier	Open

ORP/Ecology TPA and CD Agreements, Issues, and Action Items –April 2018

#	Action ID	Start Date	Action	Updates / Needs for Closure	Actionee(s)	Status/ Date Closed
1	WTP-15-01-01	1/22/15	<p>Ecology is requesting a summary briefing in February 2018 as soon as the testing results are available. Discussion will include path forward. (12/20/17)</p> <p>Ecology requests a presentation on standardized high-solids vessel design (SHSVD) to include impacts and optimization in planning area 2, 3, and 4 and DNFSB issues</p>	<p>Conceptual design study from Bechtel is expected around Sept 2018 Ecology is requesting a summary briefing in February 2018 as soon as the testing results are available. Discussion will include path forward. (12/20/17)</p> <p>T5 is delayed and under evaluation by an independent team. ORP expects to receive comments in April. Meeting will be rescheduled until T5 information is available. (03/14/18)</p>	Wahed Abdul	Open
2	WTP-17-08-01	8/17/17	Ecology requests ORP to set up a meeting to discuss how the margins were developed for the T5 corrosion report.	<p>Plan for a meeting in February. T5 is delayed. Meeting will be postponed if necessary until T5 information is available. (01/18/18)</p> <p>See above for update</p>	Wahed Abdul	Open
3	WTP-17-10-01	10/19/17	ORP to provide Ecology a copy of the maintenance plan	<p>Overall long-term maintenance plan not approved by DOE yet. Waiting for final long-term preservation plan (pending internal legal review). Maintenance (what needs to be done) vs Preservation mode (why it needs to be done) (03/14/18)</p>	Wahed Abdul	Open