

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

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

Approval: [Signature] Date: 6-3-2014
Chris Kemp
DOE-ORP

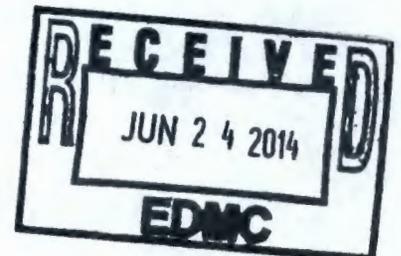
Approval: [Signature] Date: 5/29/14
Wahed Abdul
DOE-ORP

Approval: [Signature] Date: 5/29/14
Jason Young
DOE-ORP

Approval: [Signature] Date: 5/28/14
Jeff Bruggeman
DOE-ORP

Approval: [Signature] Date: 6/19/14
Jeff Lyon
Washington State Department of Ecology

Approval: [Signature] Date: 6-19-14
Dan McDonald
Washington State Department of Ecology



6/29/14

**ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes**

1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record – ORP pointed out the recent items entered into the TPA Administrative Record (AR), including meeting minutes on the revision to a TPA primary document for single-shell tank system leak detection and monitoring.

2.0 Agreements, Issues, Actions

The following issues and actions were updated:

Issue No. 2 – ORP noted that letters have been exchanged between ORP and Ecology regarding Ecology's administrative order associated with the AY-102 primary tank leak. ORP stated that the most recent action was an appeal that was filed last week by ORP in response to the administrative order.

Action No. 3 (TF-14-02-01) – ORP stated that a meeting was held with Ecology March 27, 2014, to discuss the SY-102 core sampling. Ecology agreed that this action could be closed.

Action No. 6 (TF-14-01-01) – ORP inquired about the status of Ecology's comments regarding the hose-in-hose management plan (RPP-12711). Ecology responded that the comments should be finalized and submitted to ORP within ten days. ORP noted that RPP-12711 is included on the working ORP key documents list that was provided today.

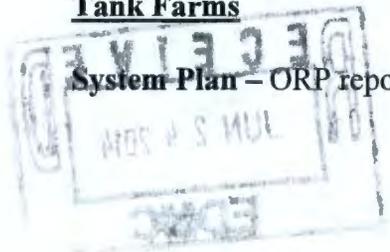
Action No. 8 (TF-13-02-03) – ORP reported that meetings have been held with Ecology, starting in December 2013, to discuss milestones M-045-61/62 and M-045-82. The most recent meeting with Ecology was held March 26, 2014, and Ecology submitted a proposal regarding the three milestones. ORP prepared clarifications and suggestions in response to Ecology's proposal, and a redline strikeout copy was provided to Ecology during today's meeting. ORP noted that the redline strikeout response is not for the record, and that a meeting will be scheduled with Ecology to continue the discussion from March 26.

TPA and CD Milestone Status - ORP noted that the TPA monthly summary report lists the milestone status for FY14 and FY15. Milestones M-047-07 and M-090-13 remain at risk, and M-045-61/62 and M-045-82 are to be missed. ORP stated that discussions are under way at the project manager level regarding milestones M-045-61/62 and 82 (see action No. 8). ORP noted that there was no change in status to the CD milestones.

3.0 Review of the ORP Summary

Tank Farms

System Plan – ORP reported that the milestones are currently on schedule. ORP, WRPS and



ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

Ecology conducted a review of Section 3 of System Plan 7 at the end of March 2014. ORP noted that System Plan 7 will be reviewed based on the sections as they are completed. ORP stated that a series of four-hour meetings will be scheduled with the System Plan team to define the specifics of Case 5 for System Plan 7.

Acquisition of New Facilities; M-90-00; M-47-00 – ORP stated that M-047-07 and M-090-13 remain at risk. ORP noted that there is no funding for the projects under M-090-13 and M-047-07, which is the reason there are no significant accomplishments identified for either project.

Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45 – ORP reported that there has been no change in status on the milestones from last month. ORP added that as noted under the issues, ORP is in discussions with Ecology regarding the requirements for the one-time tank waste supplemental treatment technologies report. ORP noted that the same status was provided last month, and there has been no change in the issues identified.

242-A Evaporator Status – ORP stated that the point of contact for the evaporator was out in the field, and a detailed status could be provided to Ecology later today. WRPS stated that the data in the evaporator table is current. ORP noted that WRPS is preparing for its readiness assessment, and when that is completed ORP will follow up with its readiness assessment.

Double-Shell Tank System Update – ORP noted that the DST status is now contained in the TPA monthly summary report. ORP stated that the information in today's report is similar to what was provided during last month's project managers meeting, since the status given was realtime and the format for the DST updates was still being organized. ORP referred to bullet No. 2 regarding completion of the encasement checks for all of the active transfer lines, and noted that encasement checks on the two deferred use lines were also completed. ORP stated that the percent complete will be provided for the ultrasonic testing activities in lieu of providing the number of welds that were inspected, and a bullet will be added for transfer activities. ORP stated that on March 13, 2014, a transfer of about 35,000 gallons was completed from AN-101 to AP-104. Ecology asked if that was the only transfer during March. ORP indicated that it was the only transfer. Ecology expressed appreciation to ORP for providing DST updates in the monthly report, noting that it will be helpful to know how much activity is occurring.

M-045-91, SST Integrity Assurance – ORP stated that the milestones are currently on schedule. ORP reported that the sidewall coring activities have been slightly delayed due to the resolution of vapor issues, but the coring activities are expected to resume soon. ORP noted that Ecology has signed a change form for RPP-9937 two times, and presented the change form with minor revisions to RPP-9937. ORP stated that the change form addresses intrusion issues while the

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

entire document is being revised. ORP proposed deleting the line that states ORP will notify Ecology when the cause of intrusion has been determined, and a line will be inserted stating that ORP will monitor quarterly and notify Ecology when it is determined that there is an intrusion. ORP stated that the change in language represents ORP's intent to notify Ecology, and that a follow-on discussion to determine the cause would be scheduled. Ecology initialed the areas in the change form that ORP proposed to delete and insert text. A decision was not made during the meeting whether a clean copy would be provided to Ecology for signature or the initialed change form would suffice.

In Tank Characterization and Summary – ORP stated that the quarterly updates are being prepared, and some of the dates for retrievals have slipped for getting into a tank to support C Farm retrieval. ORP noted out that the SY-102 core sampling scheduled for July and August 2014 will probably slip to the August and October 2014 time frame, although efforts will be made to make up the schedule. A correction was noted in today's handout under tank sampling, and the second to last bullet should read SY-102 instead of SY-101. ORP stated that the schedule delay for the core sampling is due to an issue with the electronics in the core sampling machine. ORP noted that the core sampler is supposed to be watertight, but when different systems go down and the system is opened up, water has been found. ORP added that changes are being made to the drawings for the electronics, and one drawing had 47 sheets. ORP stated that the training for the core sampling is about 60 to 70 percent complete, and demo runs are planned for the second week in May 2014. ORP added that the TSAP readiness review for operation of the core sampler machine is in WRPS review.

Ecology asked when the C-301 catch tank will be sampled. ORP responded that C-301 is scheduled in 2016. ORP noted that C-301 is in the baseline, but the cost has not been determined. ORP added that a contract mod will be needed for that type of closure work, which is why the date is set for 2016. Ecology inquired about the Hanford Waste Particle Size Reference Report cited in last bullet under accomplishments. ORP responded that the report provides a reference to all the previous reports on particle size. Ecology requested a copy of the report, and ORP agreed to forward a copy.

Tank Operations Contract (TOC) Overview – ORP provided the project overview for the month of February 2014. Under waste feed delivery, Ecology asked when the Waste Treatment Plant (WTP) operational readiness activities for integration will be reinitiated. Ecology stated the assumption that the one system would have an effect on when the integrated operational readiness activities would start back up. ORP responded that the one system charter is undergoing a major revision, and ORP anticipates receipt of the draft charter later today for ultimate approval. Once the one system charter is approved, it will be implemented by the new organization. ORP stated that all of the work associated with the one system, of which the integrated operational readiness

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

activities are a subset, would be rescoped with the new organization. Ecology asked when the new organization chart and responsibilities would be available. ORP stated that it would be at least a month, since it needs to go through ORP approval. ORP noted that even after the charter is approved, the implementation plan is separate and is what will drive the organizational chart update. Ecology asked if ORP would provide a status each month until the charter and the implementation plan are approved. ORP agreed to provide a status during the project managers meeting. Ecology also requested a copy of the information when it is available for release. ORP responded that Ecology would be able to see the charter once it is approved, and when the follow-on implementation plan is approved, a copy could be provided to Ecology.

Under base operations, Ecology inquired about the delay in grab samples for the DSTs. ORP responded that grab samples are done periodically during retrieval to ensure that the DSTs are in compliance, and a delay in retrieval would cause a delay to grab sampling. Ecology asked about the automated temperature monitoring system associated with the additional cost for SST C-105 under the current month unfavorable cost variance for retrieval and closure. ORP responded that the automated temperature monitoring system was installed in response to the freezing JCO several years ago. ORP explained that the automated system monitors the temperature in the pits in C Farm and obtains a reading, eliminating the need to go down and check the thermocouples.

Single-Shell Tank Corrective Action; M-45, -50, -60 –

M-045-22 – ORP provided a review of history in the last year, stating that the SX barriers (under M-045-92) were deferred so that additional characterization and a soil contamination removal study could be done at SX Farm. ORP stated that it is planning to meet with Ecology by the end of September 2014 to discuss M-045-22. ORP noted that Ecology sent a proposal to the consent Decree (CD) on March 31, 2014, that included barriers.

M-045-22-TO1 - ORP stated that this target milestone is on schedule.

M-045-22-TO2 - ORP reported that this target milestone was completed and the report has been sent to Ecology.

M-045-22-TO3 - ORP stated that the SX soil desiccation/contaminant removal study is in concurrence and is on schedule for submittal by the end of July 2014.

M-045-61/M-045-62 - ORP stated that several meetings have been held with Ecology, and the last meeting was held March 26, 2014. ORP noted that a redline strikeout response to Ecology's proposal on milestones was provided to Ecology today (see action No. 8).

TPA-SST Retrieval and Closure Program

Significant Planned Activities in the Next 6 Months - ORP stated that another status meeting on the C Farm Performance Assessment (PA) is being scheduled for June 23 and 24, 2014, at the

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

request of the Nuclear Regulatory Commission (NRC).

Issues – ORP noted that discussions are continuing with Ecology on the path forward for the RFI/CMS work under milestones M-045-61/62 and the closure tier 1, 2 3 requests under M-045-82.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP stated that there have been discussions with Ecology regarding a third retrieval technology for tank C-107. Ecology stated that ORP's proposal for a third retrieval technology in C-107 is in review, and a response will be provided within a week. It was noted that the review on the third technology for C-107 should be tracked in the TWRWP table and/or in the working key documents list. ORP will determine the avenue for providing the status in next month's summary report.

Tank in Appendix H. Status (tank 241-C-106) - There was no change in status to report.

Tank Retrievals with Individual Milestones (tanks 241-A-103 and 241-S-112) – There was no change in status.

CD-SST Retrieval and Closure – ORP noted that under milestone D-00B-01, the Department of Justice and the state of Washington have been notified that tanks C-102 and C-105 are at risk.

Significant Past Accomplishments – ORP reported that efforts are under way to start up C-102 retrieval next week while tank portable exhaustor 296-P47 is being decontaminated. ORP noted that tanks C-111 and C-112 are solely exhausted through portable exhaustor 296-P47. Ecology inquired about the cause of the contamination in the exhaustor. ORP explained that the vapor space of the tank needs to be heated up before it goes to the exhaustor, and the relative humidity of that air stream needs to be reduced to less than 70 percent before it hits the HEPA filters. Water is put into the seal pot, which is at the bottom of the exhaustor, and the seal pot also receives water from the atmosphere through the stack when the exhaustor is not running. ORP stated that water went up from the seal pot to the line going toward the blower on the exhaustor, which is the exit side of the exhaustor, and the seal pot was not emptied as frequently as it should have been. ORP noted that the level device was accurate, but there was an automated pump that pumped the liquid to the tank that is being retrieved, and the pump and the liquid around the pump froze in January during weather that was below freezing. Due to the freezing, the liquid wasn't able to be pumped out fast enough or gravity route drain the liquid to C-103, which is the low point in the whole system. ORP stated that Ecology and the Department of Health were notified about the issue.

ORP initiated a discussion regarding tank C-101. On February 18, 2014, ORP submitted to Ecology a request to forego a third retrieval technology at C-101. C-101 contains 667 cubic feet of waste, some of it on the wall. ORP stated that tank C-101 had a leak near the ceiling of the tank, and Ecology allowed sluicing, but no sluicing activity on the walls above 54 inches can be done. ORP anticipates that deploying a caustic dissolution would be 600-700 person millirem, and it would take five to 12 months to deploy at a cost of 12 to 13 million dollars. ORP noted that

**ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes**

a meeting was held last month with Ecology to discuss the request to forego a third retrieval technology, and the anticipation was 30 days for a response from Ecology. Ecology stated that it will be meeting internally, and that there was no status to provide today regarding the request to forego.

ORP initiated discussion regarding tank C-112. ORP stated that two retrieval technologies have been deployed in C-112, and there are 12,700 gallons remaining in the tank and about 400 cubic feet of waste on the walls, including quite a bit of waste on one of the stiffener rings. ORP estimated that it would take 1200 to 1700 person millirem to deploy a third retrieval technology, with a rough order of magnitude cost of about 12 to 19 million dollars. ORP noted that there is no third retrieval technology specifically for C-112, and options are being considered. Ecology suggested that when ORP provides a report regarding a third technology, a full cost of retrieval should be included, which would help put the extra cost in perspective for a third technology.

CD TWRWP Status – ORP noted that the CD TWRWP table is the same table that is in the TPA monthly summary.

Waste Treatment Plant

ORP reported that the full-time employee count of 2,255 is an increase of about 100 FTEs, which represents professional and engineering positions. ORP noted that the net delta for engineering is quite a bit more, but through attrition due to retirements and other aspects, the increase in hiring is not reflected as much. ORP stated that it is continuing to ramp up with professional staff and engineering to deal with engineering issues and processes. Ecology asked if ORP anticipated any potential delays in moving forward with authorization to resume in HLW due to any shortfalls with engineering staff. ORP responded that the current areas that are drawing the priority of resources are technical issue resolution in HLW and turning the focus to PT. ORP added that the contractor was directed to provide a contract modification proposal for LAW, BOF and LAB (LBL) on the direct feed scenario (DFLAW), and contractor resources are focused on providing a proposal over the next 60 days. ORP noted that other routine activities, like the ongoing HLW construction, are being impacted more, and resources are being brought in to address process improvements and QA associated with the level 1 findings. Ecology asked when the report for the HLW design review will be available. ORP indicated that the goal is to issue the report by the end of this week, and then it would be available to Ecology next week.

ORP noted that direction has been given to the contractor to extend the two-year work plan for Pretreatment and HLW for FY15 and FY16. ORP stated that the contract mod proposal that the contractor is preparing for DFLAW is due at the end of May 2014, and then discussions will be initiated regarding the proposal. ORP stated that if the parties reach agreement to go forward, a

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

more detailed baseline update process will be done to align the baseline to DFLAW. ORP noted that the negative schedule variances will increase until the two-year work plan and activities associated with DFLAW get realigned.

Significant Past Accomplishments - ORP stated that the safety design strategy (SDS) for HLW was received from the contractor and is undergoing review through the end of June 2014. ORP noted that the SDS is key to the 1B decision for release of additional engineering in HLW.

Pretreatment (PT) Facility

ORP stated that the major effort in PT is getting technical teams T-1 through T-⁸3 active to address the technical issues. ORP added that the two major open technical issues from the design review are the ventilation system and the HOP system. The technical teams are getting more focused on PT with the goal of developing all the plans and schedules in the next calendar year that will provide the strategy for moving forward with the technical issues in PT. ORP stated that a letter will be sent to Bechtel directing them to prepare a transition plan for PT, which will be structured the same as the HLW transition plan for resumption of activities, with an engineering release and then later with a construction release. ORP noted that it is targeting the end of September 2014 to provide headquarters a strategy for resolving each of the major technical issues and a schedule for the transition plan. ORP stated that Bechtel has eight technical teams for addressing criticality, mixing issues, HPAV, corrosion/erosion, etc., and Bechtel has been requested to provide an informal strategy and approach from an individual team perspective, as well as an overarching strategy, as to how Bechtel plans to link all of the technical issues to understand how resolution will be achieved.

Ecology asked when the transition plan for PT would be available. ORP indicated that it would be between the fall time frame and the end of the 2014 calendar year that the transition plan would be shared with Ecology. Ecology asked if the same type of design review will be done for PT that was done for HLW. ORP responded that the expectation is there will be an independent design review for PT.

Oregon Department of Energy (ODOE) asked about the strategy for moving forward with integration of the technical issues. Ecology explained that there are three pieces to the strategy, and that the first piece is to have a plan and resolution for each of the technical issues. The second piece is to determine which of the technical issues touch other technical issues, and the third piece is a full integration of all the technical issues in terms of the full impact on the systems and how to move forward. ORP stated that a fourth piece has been added with the new concept of a standardized vessel and integrating that in with the existing concept of the technical issue regarding vessel mixing.

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

Ecology requested an action for ORP to provide a briefing on the status of the transition plan for PT. *ORP and Ecology agreed to target early August 2014 for ORP to provide a comprehensive briefing on the PT transition plan.*

ORP noted that Ecology had a copy of the mixing report that included the standardized vessel approach. Ecology asked if ORP anticipated a changeover to the standardized vessel. ORP responded that it will be integrated into decision-making process as far as evaluating the components of a standard vessel and the strategy and logic for using a standard vessel. Ecology asked how the 14-foot vessel will be used that is already in the test facility. ORP responded that the 14-foot vessel will be used for control system testing and mixing testing. Ecology noted that ORP is referring to the RLD-8T vessel, and that there is another 14-foot vessel in the test facility. ORP responded that that vessel would probably not be used, but until there is a design for a small vessel, Ecology's question could not be answered. ORP added that the vessel may be used for something else. ORP stated that if the decision is made to use a standardized vessel, it would have to be designed, and then a vessel would have to be procured to that design for full scale testing. Ecology noted that the mixing report only allowed for about three months to procure a vessel for testing, which raised the question about using the 14-foot vessel. ORP responded that if the 14-foot vessel could be modified for use in the full scale testing of the standardized vessel, it would be used, but if it cannot be modified, then a vessel would be procured for full scale testing.

Ecology noted that CRESP is advising ORP on technical issues and requested a copy of the reports that are issued. ORP stated that the last report was issued in December 2013, and although CRESP is onsite on a quarterly basis and providing feedback, it isn't necessarily issuing a quarterly report. Ecology stated that it does not have access to the December report. ORP took an action to follow up on providing the report to Ecology.

High Level Waste

ORP noted that most of the highlights for HLW were covered under the WTP discussion. ORP stated that a review of the RLD-8 redesign will be initiated to ensure that the new procedures that have been implemented and the incorporation of the RVP findings are sufficient to allow Bechtel to move forward with procuring a vessel. Ecology inquired about RLD-7. ORP responded that RLD-7 is included in the review, although it doesn't have as many changes because the original RLD-8 design has been eliminated and RLD-7 will be the model. ORP added that both of the vessels will be reviewed at the same time because a look at RLD-8 will show what changes were made to RLD-7.

Low Activity Waste Facility (LAW)

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

ORP noted that a key activity for LAW was the request sent to Bechtel to develop a contract modification proposal. ORP's request breaks the contract into four CLINs. CLIN 1 is the LBL work scope, CLIN 2 is the additional aspects associated with direct feed, CLIN 3 is the HLW two-year work plan, and CLIN 4 is the PT two-year work plan. ORP noted that the request for proposal to Bechtel is requesting CLIN 1 for LBL and CLIN 2 for the direct feed option. ORP stated that the proposal will provide the framework for a phased strategy contractually as well as from a baseline perspective. ORP stated that it has requested a 60-day response from Bechtel, and then ORP will have to go through the acquisition executive (AE), which is about a seven-month process, to modify the baseline. Ecology asked if the cost for DFLAW is enough to require going to the AE. ORP responded that there is a significant cost associated with isolation of BOF and setting up the operational island, and that would exceed the threshold for going to the AE. ORP noted that although there would be some modifications in LAW, the majority of the work associated with DFLAW is not in LAW, but it is in BOF and the overall routing and infrastructure to deliver feed.

Ecology asked if there is a concept for setting up DFLAW. ORP responded that Bechtel has been directed to do some conceptual design in parallel and to work with tank farms to determine the best way for routing to deliver feed. ORP noted that a lot of the efforts will be adding additional capability to support a different direction than originally designed, such as isolation valves and electrical isolation.

Significant Planned Actions in the Next 6 Months – Ecology asked if the melter refractory brick installation will be completed in the next six months. ORP indicated that melter 1 should be completed by December 2014. Ecology asked if there is a potential for the refractory brick installation to become critical path. ORP responded that the refractory brick installation would not become critical path. Ecology asked about the risk to meeting the LAW facility construction substantially complete milestone if a change is made for DFLAW. ORP responded that meeting the Consent Decree milestone is a discussion for the lawyers and cannot be discussed at the project manager level. ORP noted that the key is LBL construction continues to move forward with due diligence.

ORP provided a status regarding action No. 1 (WTP-13-04-03) for the thermal catalytic oxidizer (TCO). ORP noted that Ecology was taken on a tour of the areas where the TCO will be delivered and set, and the delivery dates for the TCO were provided. The installation change is being executed to bring the TCO in through the hatch, which will open up work that couldn't have been done if the TCO was in place and will help make up some of the float in schedule. ORP noted that the current schedule variance is due to the delay in start of commissioning work, and the schedule variance will continue until the baseline is realigned.

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

ORP stated that a kick-off meeting was held for the LAW design review. A senior advisory team was present at the kick-off meeting, and it will be advising the LAW design review team, using the same format that was used for the HLW design review. ORP stated that the senior advisory team is comprised of experts with extensive experience in operations, operational startup, melters, and hazardous waste facilities.

Balance of Facilities (BOF)

ORP stated that the engineering and QA groups have been working intensively on revision and improvement of the commercial grade dedication (CGD) process, and the focus has been on the emergency turbine generator (ETG). During March 2014, an independent review team was brought in to provide support on the CGD process for the ETG. ORP stated that resources were acquired to provide support for an EM-wide training process to develop and train various areas on the basic EM standard associated with CGD requirements to ensure readiness for the operational readiness review. ORP stated that the independent review team will be submitting their report tomorrow. ORP noted that there are very few vendors that have the unique skill set to go beyond the general guidance of NQA-1 to put together a process and a program to be able to execute it. ORP stated that one of the reasons the independent review team was brought in was to advise on the process, noting that it is difficult to go from guideline to implementation, and the implementation methods have been a challenge.

ORP noted that Bechtel has been very willing to openly evaluate their processes and seek improvement that will result in a good alignment between ORP and Bechtel, and that there will be follow-on benefits in PT. Ecology asked if ORP anticipates getting a protocol in place that could be applied to future procurements. ORP responded that that is the intent, and that it will be consistent with what is used elsewhere in EM.

Ecology noted that the framework going forward for BOF will be a phased approach, and asked if there is a way to know what portion of BOF needs to be ready for a specific facility. ORP responded that there are 14 key support facilities in BOF, and all or parts of the BOF facilities are required for support. ORP stated that engineering studies will be needed in an effort to make decisions regarding isolation of certain functions within a facility. ORP added that the main portion of the isolation is the facility interconnections since they were built to have isolation in the facility, but isolation for an operative plant would not be done within a construction facility. ORP stated that the main effort is to roll back the isolations and then develop the turn-down capability for a much lower support in some cases.

ORP stated that the main areas of focus are the glass former facility, the ammonia storage facility, and the standby diesel generator (SDG). Electrical installation and some instrumentation are

ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes

finishing up in the glass former facility. ORP noted that the glass former facility is mainly an electrical commodities load at this point. The focus in the ammonia storage facility is receipt of key valves so that the skids can be assembled and put in the facility. Preparations are under way to set the SDG on the pad in the July/August 2014 time frame.

ODOE asked about the ability to scale up at any point or if the intent is to get all the facilities designed and built to support all the activities that need to be done. ORP responded that the as-built design will support the operation of the entire WTP plant plus an operational margin, and the operational margin varies per facility. ORP noted that the support needs of the BOF facility are being cut back, and the necessary isolations need to be developed so they can be operated safely while there is construction going on. The output of the isolations can then be reduced to efficiently supply what is needed to the operative island for a DFLAW scenario. ORP stated that when PT and HLW are built up, the ability to add the capacity will be factored in so that the WTP can be operated as an integrated whole and as it was originally designed. ORP noted that the isolations will provide more operational flexibility. ORP added that the reduced state of operations will be looked at to ensure nothing precludes full capacity operation.

ODOE asked about the ability to scale up, with the intent of everything being built and in place but on standby, and eventually having to scale up by adding more. ORP responded that most of the facilities have been built in BOF, except for the glass former storage facility and the ammonia facility. ORP reiterated that there will be no building scale-up, and that BOF is designed and built to supply the entire WTP facility. ORP added that there will be no scaling down, and the focus will be how to isolate and operate.

Analytical Laboratory (LAB)

ORP stated that the primary driver in LAB is the electrical commodity installation, with more of the focus on terminations. Process instrumentation is being installed, and the stack discharge monitors are going in place.

ORP stated that 20 of the 23 issues identified with the RLD-164 vessel have been completed, and by the end of this week there should be one issue remaining. ORP noted that the 23 issues are physical repairs to RLD-164. The remaining issue is associated with a head seam on the vessel nozzle that will be repaired. An evaluation will be done on the bottom head of the vessel, which was manufactured by the same company. ORP noted that the bottom head is much thinner and doesn't have the same manufacturing requirements or challenges as the top head. ORP stated that the work on RLD-163 and RLD-165 is done. There was less work needed on 163 than originally believed, and the pressure boundary was never breached and it will not require a hydrostatic test. ORP stated that Bechtel has done an excellent job identifying extent of condition through the RLD

**ORP TPA Project Managers' Monthly (PMM) Meeting
April 22, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes**

vessel process. ORP is targeting early May 2014 to have the physical work completed on 164. ODOE inquired about the issue with the seamed pipes. ORP responded that there was no issue with RLD-163, and there are no further issues with RLD-164. ORP stated that issue was the code that changed between the initial specification in 2005 when the fabrication was done and when it got delivered, and the change never got caught up in the documentation delivered to Bechtel. ORP added that Bechtel has done their extent of condition and there are no further issues or corrections to be made, and the vessel is within code for acceptance.

4.0 Key Documents List

ORP distributed an updated working key documents list.

Upcoming Meetings

The May 2014 ORP TPA Quarterly/IAMIT meeting is tentatively scheduled for Thursday, May 15, 2014, in Ecology Room 3A/B from 8:30 a.m. to 11:00 a.m.

**ORP TPA Project Managers Meeting
April 22, 2014
Meeting Minutes - Attachments**

Attachment A: Agenda, AR List, Agreements, Issues, and Action Items

(5 pages including this cover sheet)

**April 22, 2014 ORP Project Managers' Monthly Meeting
2440 Stevens Center Richland, Washington
Room 1600, 9:00AM-11:30AM**

AGENDA

- 1.0 Recent Items Entered/To Be Entered into the TPA Administrative Record** (see <http://pdw.hanford.gov/arpir/index.cfm/advancedSearch> - search EDMC File Number)

| Item Description | TPA/CD Topic Milestone Tie | TPA Admin Record – EDMC File Number |
|--|-----------------------------------|--|
| March 2014 TPA Monthly Summary Report | All | 1223586 |
| March 2014 CD Monthly Summary Report | All | 1223585 |
| Meeting Notes on 200 West Tank Farms Interim Measures Investigations for 241-TX, 241-SX, and 241-U Farms, dated 03/19/2014 | M-045-22 | 1223851 |
| Meeting Minutes for Revision of RPP-9937, WRPS-1401507, dated 03/19/2014 | TPA Primary Document | In Process |

2.0 Agreements, Issues, Action Items

3.0 Review of the ORP Project Summary

- DST Status now contained in the TPA Monthly Summary Report

4.0 Key Documents List

Upcoming Meetings

- The Dry-Run for the May 2014 ORP TPA Quarterly Meeting is tentatively scheduled for Tuesday, May 13, 2014 in ORP Room 1200 from 9:00AM-11:30AM.
- The May 2014 ORP TPA Quarterly/IAMIT Meeting is tentatively scheduled for Thursday, May 15, 2014 in Ecology Room 3A/B from 8:30AM-11:00AM.

ORP/Ecology TPA and CD Agreements, Issues, and Action Items for April 2014

Agreements:

1. ORP will continue to meet with ECY to discuss funding and work priorities per TPA Paragraphs 148/149 process.
2. Per an ECY standing request, ORP agrees to include any written directives given by DOE to the contractors for work required by the CD in future Semi-Annual CD Reports (see CD Section IV-C-1-e, page 8).
3. The ORP and ECY 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:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the Senior Management levels.
2. AY-102 Primary Tank Leak: Monitoring of the leak into the annulus of AY-102 continues. The tank is ready to be able to transfer liquids out of the primary tank or from the annulus to the primary. ORP and ECY met on 01/15/2014, 01/22/2014, 01/29/2014, and 02/05/2014 to discuss the draft pumping plan (RPP-PLAN-55220) that was submitted to ECY via ORP letter 13-TF-0049 on 06/14/2013. ORP submitted a revised pumping plan to ECY on 03/07/2014. ORP and ECY met on 03/17/2014 to discuss AY-102. Ecology issued Administrative Order Docket #10156 on 03/21/2014. ORP provided a response for clarification on 04/01/2014 via ORP letter 14-ORP-0043. Ecology responded to this clarification letter on 04/08/2014 via ECY letter 14-NWP-061.
3. T-111 and Other Single Shell Tank Level Decreases: ORP and WRPS have determined that 19 of the 20 single shell tanks showing decreased liquid levels at the Hanford Site are not actively leaking. Evaluation documents are available online at: <http://www.hanford.gov/page.cfm/SingleShellTankEvaluations>

| Tank Farms Actions | | | | | | | |
|---------------------------|-------------|----------------|--|---------------|--|--------------|-------------|
| # | Action ID | Date Initiated | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 1 | TF-14-03-01 | 03/24/14 | ORP will set up additional meetings with ECY to discuss the Low Activity Waste Pretreatment System (LAWPS) and the Direct Feed LAW Initiative. | Open. | A meeting was held to brief the ECY WTP team on IPS (now LAWPS) and DFLAW on 12/17/13. | Pfaff / Harp | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items for April 2014

| Tank Farms Actions | | | | | | | |
|---------------------------|------------------|-----------------------|---|----------------------|--|---------------------------|--------------------|
| # | Action ID | Date Initiated | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 2 | TF-14-03-02 | 03/24/14 | ECY would like more information on the Tank Waste Characterization and Staging Facility (TWCS) and the Direct Feed HLW Initiative when it becomes available. | Open. | ORP provided an initial email with a description of TWCS activities to ECY on 03/24/14. | Wheeler / Wendell / Harp | |
| 3 | TF-14-02-01 | 02/18/14 | ECY would like a briefing from ORP/WRPS on the DQO for SY-102 and how the core sampling platform will be utilized. | Open. | | Mauss / Johnson | |
| 4 | TF-14-02-02 | 02/18/14 | ECY would like a schedule and project management plan (if available) for the closure of WMA C. | Open. | | Kemp | |
| 5 | TF-14-02-03 | 02/18/14 | ECY has requested additional information from ORP on retrieval efficiencies for the System Plan 7 modeling assumptions. | Closed. | A meeting was held with ECY on 03/27/14 to resolve this item. | Kemp / Smith | 03/27/14 |
| 6 | TF-14-01-01 | 01/28/14 | ORP and ECY will work to complete revisions on the Hose-In-Hose Transfer Line Management Plan (RPP-12711) Revision 7 by March 1, 2014. ECY also requested a meeting to discuss the delays in HIHTL leak tests due to weather. | Open. | ECY sent its comments to ORP via email on 02/03/14. ORP is setting up a meeting to discuss ECY comments. | Mattlin / Fox / Alzheimer | |
| 7 | TF-13-12-01 | 12/19/13 | ECY will provide a list of team members and their roles and responsibilities to ORP so that ORP can provide all applicable invitees to future meetings. | Open. | | Lyon / McDonald | |
| 8 | TF-13-02-03 | 02/21/13 | ECY would like to continue to meet with ORP to discuss work on the WMA C PA and other options for M-045-61/-62/-82. | Open. | Meetings are ongoing between the ORP and TF Project Managers. | Kemp / Eberlein / Mathey | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items for April 2014

| WTP Actions | | | | | | | |
|--------------------|------------------|-----------------------|--|----------------------|--|--------------------------|--------------------|
| # | Action ID | Date Initiated | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 1 | WTP-13-04-03 | 04/23/13 | ORP will update ECY on a monthly basis on the path forward for the TCO vendor concerns. | Open. | On-going, status given monthly. | Jeff Bruggeman | |
| 2 | WTP-13-04-01 | 04/23/13 | ORP will meet with ECY to discuss status on the RVP Wave I and path forward for RVP Wave II. | Open. | Wahed took the action to follow-up with Gary and close with ECY. | Gary Olsen / Wahed Abdul | |

**ORP TPA Project Managers Meeting
April 22, 2014
Meeting Minutes - Attachments**

Attachment B: List of Attendees

(3 pages including this cover sheet)

Sign In Sheet
ORP TPA Project Managers' Monthly Meeting
April 22, 2014

| NAME | ORG | PHONE |
|----------------------|----------------------|---------------|
| Jeremy Johnson | ORP | 376 1866 |
| Kathy Knox | Knox Court Reporting | 946-5535 |
| Jan McDonald | ECY | 372-7988 |
| JOE CAGGIANO | ECY | 372-7915 |
| Chris King | ORP | 373-0649 |
| Tamara Diediker | ORP | 372-3043 |
| Billie Mauss | ORP | 373-5113 |
| Joni Grundstaff | ORP | 376-6202 |
| Kathy Higgins | ORP | 376-3858 |
| Michelle Hendrickson | EMJ | 372-7970 |
| Stacy Simon | ODDE | (541)240-0165 |
| Ellen Mattin | ORP | 376-1900 |
| Chris Harrington | ORP | 376-1239 |
| Susan Eberlein | WRPS | 372-1689 |
| WYATT CLARK | WRPS | 713-4652 |
| Nancy Ugenible | Ecology | 372-7928 |
| Jeff Lake | WRPS | |
| Mike Burns | Ecology | 372-7927 |
| JARED MATHY | Ecology | 372-7949 |
| Kristi Wood | ecology | 372-7985 |
| Nina Menard | Ecology | 372-7941 |
| Lon Huffman | ORP | 376-0104 |

Sign In Sheet
ORP TPA Project Managers' Monthly Meeting
April 22, 2014

| NAME | ORG | PHONE |
|------------------|-----------|---------------------------------|
| Dobriša Smith | DOE-ORP | 376-4306 |
| Bryan Trimmerger | DOE - ORP | 376 - 2674 |
| KAYLIN BURNETT | DOE-ORP | 372-0622 |
| Jeff Lyon | Ecology | 534-1996 |
| Dee Meyer | Ecology | 376-5161 |
| Tracy Gao | Ecology | 372-7901 |
| Robbie Biyani | Ecology | 372-7884 |
| Avery Cima | ODDE | 376-5161 263-0853 |
| Jason Young | ORP | 619-3217 |
| Mandy Jones | Ecology | 372-7916 |
| Barry Curn | BNE | 371-2791 |
| Nitya Chandran | Ecology | 372-7931 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**ORP TPA Project Managers Meeting
April 22, 2014
Meeting Minutes - Attachments**

Attachment C: Presentation Materials

**ORP TPA Project Summary
(19 pages)**

And

**ORP Consent Decree Project Summary
(22 pages)**

And

**Working ORP Key Documents List
(2 pages)**

(44 pages including this coversheet)

FINAL

Office of River Protection

**Tri-Party Agreement
Monthly Summary Report
April 2014**



**Office of River Protection
Tri-Party Agreement Milestone Review
April 2014 (Monthly Summary Report/Project Earned Value Management System reflects
February 2014 information)**

| Page | Topic | Leads |
|-------------|--|---------------------------------------|
| 1 | Administrative Items/Milestone Status | James Lynch/Dan McDonald/Jeff Lyon |
| 2 | System Plan; M-062-40 | DaBrisha Smith/Jeff Lyon/Dan McDonald |
| 3 | Acquisition of New Facilities; M-090-00 and M-047-00 | Janet Diediker/Jeff Lyon/Dan McDonald |
| 4 | Supplemental Treatment and Part B Permit Applications; M-062-00, M-062-20, M-062-30, and M-062-45 | Steve Pfaff/Jeff Lyon/Dan McDonald |
| 5 | 242-A Evaporator Status | Ron Koll/Jeff Lyon |
| 6 | Double-Shell Tank System Update | Jeremy Johnson/Jeff Lyon |
| 6 | Single-Shell Tank Integrity Assurance; M-045-91 | Jeremy Johnson/ Jim Alzheimer |
| 8 | In Tank Characterization and Summary | Billie Mauss/Michael Barnes |
| 10 | Tank Operations Contract Overview | Kathy Higgins/Jeff Lyon |
| 15 | Single-Shell Tank Corrective Action; M-045-22, M-045-50 series, M-045-60 series, and M-045-92 | Chris Kemp/Jeff Lyon |
| 16 | Single-Shell Retrieval and Closure Program Tri-Party Agreement (TPA) Milestones Status; M-045-00 series | Chris Kemp/Jeff Lyon |
| 18 | Tank Waste Retrieval Work Plan Status | Chris Kemp/Jeff Lyon |
| 19 | Tank in TPA Appendix H, Status Tank Retrievals with Individual Milestones | Chris Kemp/Jeff Lyon |
| CD | Waste Treatment and Immobilization Plant (WTP) Overall TPA Summary and Milestone Status; see the U.S. Department of Energy, Office of River Protection Consent Decree 08-5085-FVS Monthly Summary Report for WTP Facility-specific information | Delmar Noyes/Dan McDonald |

CD = Consent Decree 08-5085-FVS

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|--|------------|-----------------|--------------|
| Fiscal Year 2014 | | | | |
| M-062-40C | Select a Minimum of Three Scenario's for the System Plan | 12/15/2013 | 12/12/2013 | Completed |
| M-062-01AB | Submit Semi-Annual TPA Project Compliance Report | 01/31/2014 | 01/31/2014 | Completed |
| M-045-86C | Submit Retrieval Data Report to Ecology for C-104 | 03/21/2014 | 02/18/2014 | Completed |
| M-045-22-T02 | Submit Results of Vadose Zone Characterization of 241-U to Ecology | 04/30/2014 | 02/20/2014 | Completed |
| M-045-86F | Submit Retrieval Data Report to Ecology for C-108 | 05/01/2014 | 11/27/2013 | Completed |
| M-045-86G | Submit Retrieval Data Report to Ecology for C-109 | 06/04/2014 | 03/13/2014 | Completed |
| M-045-22-T03 | Submit SX Soil Desiccation/Contaminate Removal Tech Results to Ecology | 07/31/2014 | | On Schedule |
| M-045-56J | Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July) | 07/31/2014 | | On Schedule |
| M-062-01AC | Submit Semi-Annual TPA Project Compliance Report | 07/31/2014 | | On Schedule |
| M-045-91B-T01 | Provide Ecology report on the Concrete Core from Tank A-106 or alt | 09/30/2014 | | On Schedule |
| M-045-22-T01 | Submit Results of Vadose Zone Characterization of 241-TX to Ecology | 09/30/2014 | | On Schedule |
| M-047-07 | CD-1 for Secondary Liquid Waste Treatment and CR for CD-2 to Ecology | 09/30/2014 | | At Risk |
| M-090-13 | CD-1 for Interim Hanford Storage Project and CR for CD-2 to Ecology | 09/30/2014 | | At Risk |
| M-045-22 | Review M-045-22-T03 Report and Determine Path Forward | 09/30/2014 | | On Schedule |
| Fiscal Year 2015 | | | | |
| M-062-40D | Submit System Plan | 10/31/2014 | | On Schedule |
| M-062-40ZZ | Submit One Time Tank Waste Supp Treatment Technologies Report | 10/31/2014 | | On Schedule |
| M-045-91G-T03 | Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks | 10/31/2014 | | On Schedule |
| M-045-91F-T04 | Provide Report on 100-Series SSTs as having Leaked in RPP-32681 | 12/26/2014 | | On Schedule |
| M-045-61 | Phase 2 RCRA Facility Investigation/Corrective Measures Study | 12/31/2014 | | To Be Missed |
| M-045-86H | Submit Retrieval Data Report to Ecology for C-110 | 01/29/2015 | | On Schedule |
| M-045-91G-T04 | Provide AOR Final Doc. for SSTs on 55,000 Gallon Tanks | 01/30/2015 | | On Schedule |
| M-045-91F-T02 | Provide Report of Liner Failures for SSTs | 03/31/2015 | | On Schedule |
| M-062-45-T01 | Comp. Neg's 6-Mo After Last Issuance of System Plan | 04/30/2015 | | On Schedule |
| M-062-45-ZZ | Negotiate a One Time Supplemental Treatment Selection | 04/30/2015 | | On Schedule |
| M-062-45-ZZ-A | Convert M-062-31-T01 Thru M-062-34-T01 to Interim Milestones | 04/30/2015 | | On Schedule |
| M-045-91F | Provide Summary Conclusions Report on Leak Integrity | 06/30/2015 | | On Schedule |
| M-045-62 | Phase 2 Corrective Measures Implementation Work Plan For WMA-C | 06/30/2015 | | To Be Missed |

| Milestone | Title | Due Date | Completion Date | Status |
|-----------------------------------|--|------------|-----------------|--------------|
| Fiscal Year 2015 Continued | | | | |
| M-045-92O | Barrier 3 Design/Monitoring Approval From Ecology | 06/30/2015 | | On Schedule |
| M-045-91G | Provide Summary Conclusions Report of AOR for SSTs | 07/28/2015 | | On Schedule |
| M-045-56K | Ecology and DOE Agree, at a Minimum, to Meet Yearly (By July) | 07/31/2015 | | On Schedule |
| M-045-91H | Submit Change Pkg (if necessary) to est. Additional Milestones | 07/31/2015 | | On Schedule |
| M-045-82 | Submit Comp. Permit Modification Request for Tiers 1,2,3 | 09/30/2015 | | To Be Missed |

AOR = Analyses of Record.

CD-1/-2 = critical decision-1/-2

CR = change request.

DOE = U.S. Department of Energy.

Ecology = Washington State Department of Ecology.

RCRA = Resource Conservation and Recovery Act.

SST = single-shell tank.

TPA = Tri-Party Agreement.

WMA-C = Waste Management Area C.

System Plan

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan, Due: December 15, 2013, Status: Completed on December 12, 2013. See discussion under "Significant Past Accomplishments."

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: October 31, 2014, Status: On schedule.

M-062-45-T01, Every six years, within six months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: April 30, 2015, Status: On schedule.

Significant Past Accomplishments:

1. On October 24, 2013, Washington State Department of Ecology (Ecology) and U.S. Department of Energy (DOE), Office of River Protection (ORP) signed the Tri-Party Agreement (TPA) Change Control Form M-62-13-02, moving out the due date for this embedded milestone from October 31, 2013 to December 15, 2013, for selection of three, or more, scenarios to be modeled in the System Plan.
2. Ecology has defined five scenarios to be analyzed in System Plan 7. Washington River Protection Solutions LLC (WRPS) has included a description of each scenario in the Selected Scenarios for the River Protection Project System Plan, Rev. 7 document released to ORP on December 4, 2013. See joint ORP and Ecology letter 13-TPD-0070, dated December 12, 2013, for completion and description of M-062-40C scenarios.
3. Detailed assumption review was completed, and has been approved by Ecology.
4. On February 11, 2014, DOE-ORP transmitted a letter (14-TPD-0003) to Washington River Protection Solutions LLC in response to letter (WRPS-1400313) to approve the use of Ecology's Appendix B, "Key Assumptions and Success Criteria," for the ORP 11242, River Protection Project System Plan, Rev. 7.
5. On February 13, 2014 Washington State Department of Ecology presented the five selected scenarios to the Hanford Advisory Board Tank Waste Committee.
6. Ecology, DOE-ORP and WRPS reviewed and provided comments for sections 1 and 2 of the System Plan 7 during the week of February 17, 2014.

Current: Ecology, DOE-ORP and WRPS reviewed and provided comments for section 3 of the System Plan 7 during the week of March 21, 2014.

Significant Planned Actions in the Next 6 Months:

Ecology will continue to further define the five selected scenarios distinguishing assumptions.

- Complete HTWOS modeling of Ecology defined Cases 1 – 5.
- Complete DRAFT writing of non-technical sections for System Plan 7 document

Issues:

None.

Acquisition of New Facilities

M-090-13, Submit Critical Decision-1 for Interim Hanford Storage Project and TPA Change Request for CD-2 to Ecology, Due: September 30, 2014, Status: At risk. Created by TPA Change Control Form M-90-12-02, signed by ORP and Ecology on November 19, 2012, to “Submit to Ecology, a Conceptual Design Report Package (Critical Decision-1) for the Interim Hanford Storage Project (storage of the first two years of Hanford Site Immobilized High-Level Waste from WTP operations) and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2).”

M-090-00, Acquire/Modify Facilities for Storage of Immobilized High-Level Waste (IHLW), Due: December 31, 2019, Status: On schedule.

M-047-07, Submit CD-1 for Secondary Liquid Waste Treatment and Change Request (CR) for CD-2 to Ecology, Due: September 30, 2014, Status: At risk. Created by TPA Change Control Form M-47-12-02, signed by ORP and Ecology on November 19, 2012, to “Submit to Ecology, a Conceptual Design Report package (Critical Decision-1) for the Secondary Liquid Waste Treatment Project and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2).”

M-047-00, Complete Work Necessary to Provide Facilities for Management of Secondary Waste from the Waste Treatment and Immobilization Plant (WTP), Due: December 31, 2022, Status: On schedule.

Significant Past Accomplishments:

None.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

ORP will need to discuss impacts to the above at-risk milestones and other TPA work scope priorities with Ecology per TPA paragraphs 148/149 due to funding constraints.

Supplemental Treatment and Part B Permit Applications

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies Report if a supplemental treatment technology is proposed other than a second Low-Activity Waste (LAW), Due: October 31, 2014, Status: On schedule.

M-062-45ZZ (designation for M-062-45 item #3), Negotiate a one-time supplemental treatment selection, Due: April 30, 2015, Status: On schedule. Negotiations are not yet underway.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due: April 30, 2015, Status: On schedule.

M-062-31-T01, Complete final design and submit Resource Conservation and Recovery Act Part B permit modification request, Due: April 30, 2016, Status: On schedule.

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: April 30, 2018, Status: On schedule.

M-062-33-T01, Complete construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: April 30, 2021, Status: On schedule.

M-062-45XX, No later than December 31, 2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45, paragraphs 4 and 5, Due: December 31, 2021, Status: On schedule.

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility and/or WTP enhancements, Due: December 30, 2022, Status: On schedule.

M-062-21, Annually submit data that demonstrates operation of the WTP, Due: February 28, 2023, Status: On schedule.

M-062-00, Complete Pretreatment Processing and Vitrification of High-Level Waste and LAW Tank Wastes, Due: December 31, 2047, Status: On schedule.

Significant Past Accomplishments:

None.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

ORP and Ecology are in discussions on the requirement for the one-time supplemental treatment technologies report (M-062-40ZZ) and the requirements for negotiation of supplemental treatment milestones (M-062-45, item #3).

242-A Evaporator Status
(previously reported under Milestone M-48, which has been closed out)

242-A Campaign Strategy:

The 242-A campaign strategy for fiscal year (FY) 2010 through FY 2015 depicted in the following table has been updated based on ORP-11242, *River Protection Project Plan* and ongoing schedule integration efforts.

| Fiscal Year | Campaign No. | Feed Source | Slurry Tank | Comments |
|-------------|--------------|-------------|-------------|--|
| FY 2010 | 10-01 | AW-106 | AW-106 | Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010. Campaign 10-02 was an acceleration of previously planned Campaign 11-01. |
| FY 2010 | 10-02 | AW-106 | AW-106 | |
| FY 2011 | NA | NA | NA | No campaign conducted in FY 2011 due to ongoing 242-A and tank farm facility life extension and <i>American Recovery and Reinvestment Act</i> funded upgrades. |
| FY 2012 | NA | NA | NA | No campaign conducted in FY 2012 due to ongoing 242-A and tank farm facility upgrades and revision to the 242-A Documented Safety Analysis. |
| FY 2013 | NA | NA | NA | No campaigns to be conducted in FY 2013 due to ongoing 242-A and tank farm facility upgrades and revision to the 242-A Documented Safety Analysis. |
| FY 2014 | 13-01 | AP-107 | AP-107 | Estimated start June 2014. Requires two passes to achieve waste volume reduction. |
| FY 2014 | 14-01 | AW-106 | AP-107 | Estimated start late July 2014. |
| FY 2015 | 14-02 | AZ-102 | AP-103 | Estimated start October 2014. |
| FY 2015 | 15-01 | AW-106 | AP-103 | Estimated start November 2014. |
| FY 2015 | 15-02 | AZ-102 | AP-103 | Estimated start March 2015. |

FY = fiscal year.

NA = not applicable.

Double-Shell Tank System Update

- AZ-01A Gear Actuator Replacement completed March 3, 2014, four months ahead of schedule, in support of upcoming AZ-102 recirculation
- Encasement pressure checks and National Association of Corrosion Engineers (NACE) inspections have been completed and successfully passed the acceptance criteria at AP-01A pit for waste transfer lines SN-611 and SL-511, AP-03A for waste transfer lines SN-613 and SL-613, and at AP-04A pit for waste transfer lines SN-614 and SL-514. All NACE inspections and encasement pressure checks of active waste transfer lines for FY14 have been completed.

Ultrasonic Testing Activities

AP-104:

- On 4/1/14, 78.5 inches of the Secondary Knuckle 45's were scanned
- We are approximately 93% complete with tank inspection.

AP-106:

- The Secondary Floor was brushed
- This completes all wall cleaning in Riser-030
- Vertical Weld Plates 2 and 5, 60's were scanned
- Vertical Weld Plate 4, 60's and Vertical Wall Plate 2, 0's were scanned
- Vertical Weld Plate 3, 60's and 120 inches of the Horizontal Weld 0's were scanned
- Vertical Wall Plate 5, 2nd pass 0's and 120 inches of Horizontal Weld 60's were scanned
- Started the UT Engineering Report (RPP-RPT-57127).

Single-Shell Tank Integrity Assurance

M-045-91G-T03, Provide to Ecology the structural analyses of record final documentation for single-shell tanks (SST) for 1,000,000 gallon tanks (A, AX, and SX Farms), Due: October 31, 2014, Status: On schedule.

M-045-91F-T04, Provide to Ecology, as a Hanford Federal Facility Agreement and Consent Order secondary document, a report on the 100-series SSTs, which have been or will be identified as having leaked in RPP-32681, Rev. 0, Due: December 26, 2014, Status: On schedule.

M-045-91G-T04, Provide to Ecology the structural analyses of record final documentation for SSTs for 55,000 gallon tanks (B , C , T , and U Farms), Due: January 30, 2015, Status: On schedule.

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing and analysis, performed on the concrete core obtained from Tank A-106 or an alternate tank, Due: January 31, 2015, Status: On schedule.

M-045-91F-T02, Provide to Ecology as a Hanford Federal Facility Agreement and Consent Order secondary document a report evaluating the common factors of liner failures for SSTs that have leaked and will provide recommendations as appropriate, such as enhanced leak detection, monitoring, and mitigation, Due: March 31, 2015, Status: On schedule.

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through M-045-91F-T04, Due: June 30, 2015 Status: On schedule.

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record for SSTs, Due: July 28, 2015, Status: On schedule.

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series of milestones to date, Due: July 31, 2015, Status: On schedule.

M-045-91I, Provide to Ecology an Independent, Qualified, Registered Professional Engineer (IQRPE) certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: September 30, 2018, Status: On schedule.

Significant Past Accomplishments:

RPP-RPT-54910, Hanford SST Leak Causes and Locations – 241-SX Tank Farm, was released January 7, 2014. This is the sixth report for SST leak cause and location in support of M-045-91F-T04.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

None.

In Tank Characterization and Summary

For the period from March 1 through March 31, 2014:

Accomplishments:

- Completed RPP-RPT-45147, *Derivation of Best-Basis Inventory for Tank 241-C-108 as of January 1, 2013, Rev 3.*
- Completed RPP-RPT-48639, *Derivation of Best-Basis Inventory for Tank 241-AP-104 as of January 1, 2014, Rev 8*
- Completed RPP-RPT-56803, *Derivation of Best Basis Inventory for Tank 241-BX-103 as of January 1, 2014, Rev 0.*
- Completed RPP-RPT-46686, *Derivation of Best Basis Inventory for Tank 241-AW-106 as of April 1, 2013, Rev 5.*
- Completed RPP-PLAN-52471, *Sampling and Analysis for Residual Waste Solids in Tank 241-C-108, Rev 0A.*
- Completed RPP-PLAN-56851, *Field Sampling Plan for Fluorescein Tracer Testing of 242-A E-A-1 Re-boiler, Rev 0.*
- RPP-RPT-52841, Rev 1, *Hanford Waste Particle Size Reference Report*, was released March 31, 2014.

Planned Action within the next 6 Months:

Tank sampling:

- 241-AY-101A LDP, sample 1, grab sampling is currently scheduled for April 2014
- Tank 241-AN-106 post C-110/C-107 retrieval grab sampling for chemistry control is currently scheduled for April 2014.
- Tank 241-C-107 Drag Sampler sampling is currently scheduled for April 2014.
- Tank 241-AZ-102 grab sampling for evaporator campaign (14-02) is currently scheduled for April 2014.
- Tank 241-C-112 clamshell or fingertrap sampling is currently scheduled for May 2014.
- Tank 241-AN-106 at 50% C-105 retrieval planned for May 2014.
- Tank 241-SY-102, 1st core sample is currently scheduled for July 2014.
- Tank 241-C-111 process control grab sampling during hard heel dissolution is currently scheduled to start in July 2014.
- Tank 241-AW-106 (Evaporator campaign 14-03) planned for July 2014.
- Tank 241-AN-101 after C-111 and C-112 retrieval planned for August 2014.
- Tank 241-SY-101, 2nd core sample is currently scheduled for August 2014.
- Tank 241-AZ-102 (Evaporator campaign 15-01) planned for September 2014.

- Tank 241-AN-106 at 100% C-105 retrieval planned for September 2014.

Best-Basis Inventory (BBI) updates:

The following tanks have been identified for BBI updates in FY 2014 Quarter 2:

- 241-A-103
- 241-A-106
- 241-AW-105
- 241-AN-101
- 241-BX-101
- 241-BX-110
- 241-BY-101
- 241-U-111
- 241-BY-102
- 241-C-110
- 241-C-112
- 241-S-111
- 241-SX-106

Data quality objectives:

- A revision to the tank farms Chemistry Control Program Data Quality Objective will be released in April 2014.

Issues:

None.

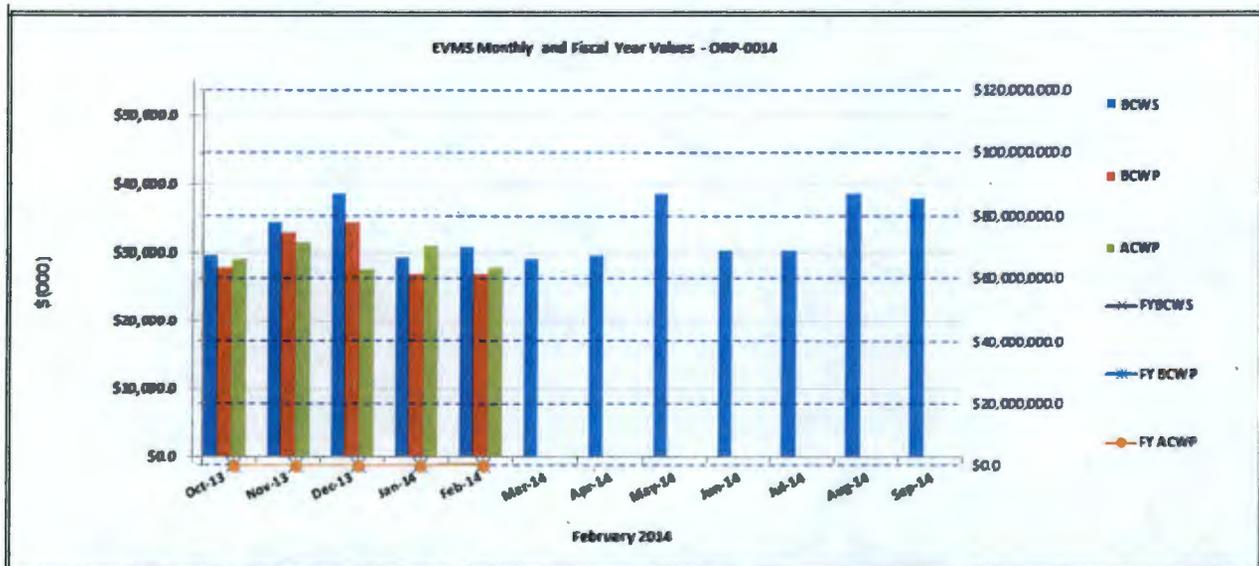
TANK OPERATIONS CONTRACT OVERVIEW

Project Performance

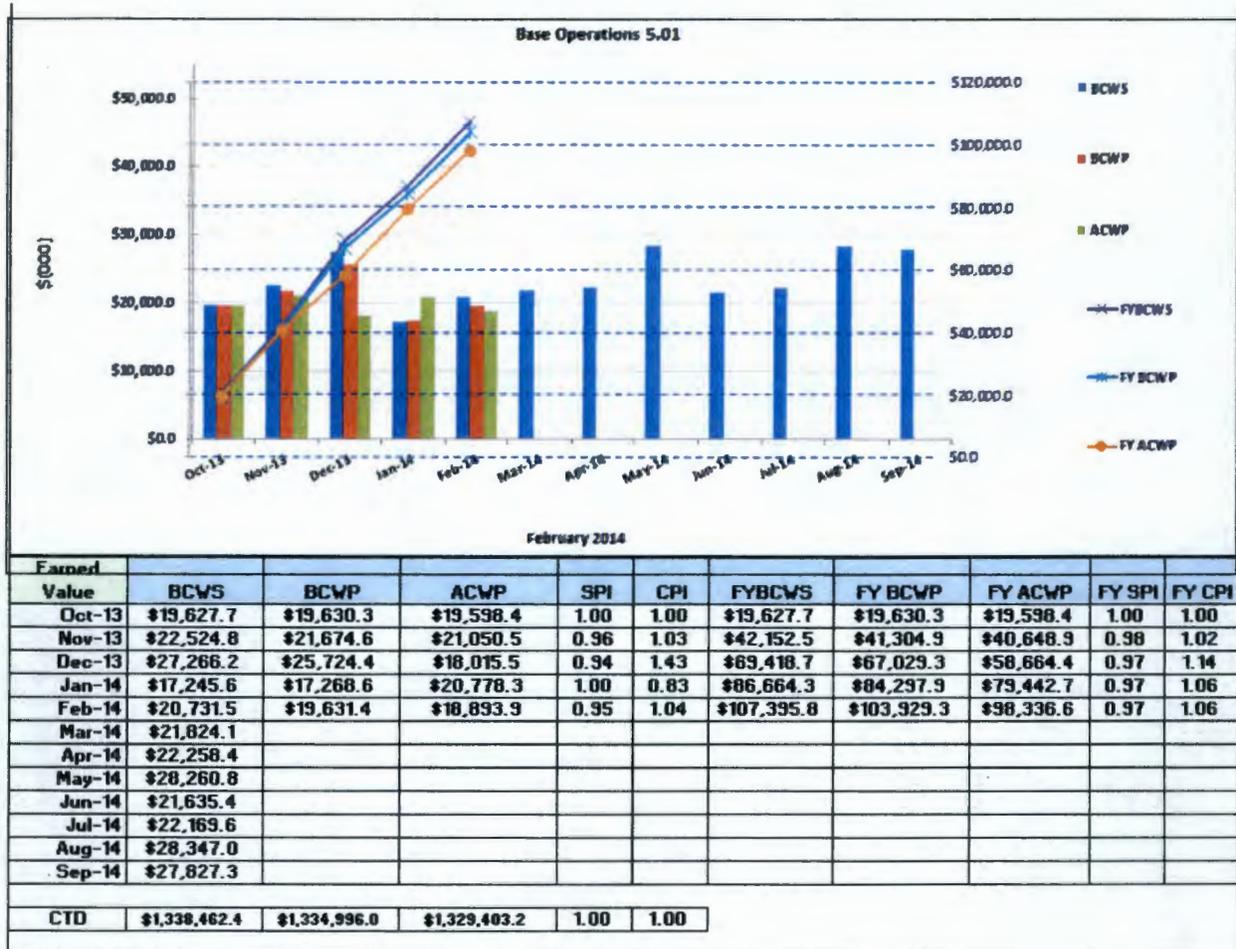
The earned value performance reporting reflects the format, work breakdown structure reporting levels, and variance thresholds as agreed to with the tank operations contractor for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing TPA milestones.

As of February 28, 2014, Washington River Protection Solutions LLC, the Tank Operations Contractor, has worked 67 days without a lost time workday injury and 46 days since the last recordable case. There was no Days Away, Restricted, Dart cases and no recordable cases in the month of February.

| February-14 | | | | | | | | | | |
|-------------|-------------|-------------|-------------|------------|-----------|------|------|-------------|-------------|----------|
| | BCWS | BCWP | ACWP | SV | CV | SPI | CPI | BAC | EAC | VAC |
| CM | 30,875.1 | 26,773.8 | 27,781.6 | (4,101.3) | (1,007.8) | 0.87 | 0.96 | | | |
| FYTD | 162,906.7 | 149,161.7 | 146,868.8 | (13,745.0) | 2,292.9 | 0.92 | 1.02 | 396,986.9 | 383,703.0 | 13,283.9 |
| CTD | 2,054,650.0 | 2,040,906.0 | 2,038,613.0 | (13,744.0) | 2,293.0 | 0.99 | 1.00 | 3,106,818.4 | 3,099,985.4 | 6,833.0 |



| Earned Value | BCWS | BCWP | ACWP | SPI | CPI | FYBCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------|---------------|---------------|---------------|------|------|-------------|-------------|-------------|--------|--------|
| Oct-13 | \$29,474.1 | \$27,945.9 | \$29,014.6 | 0.95 | 0.96 | \$29,474.1 | \$27,945.9 | \$29,014.6 | 0.95 | 0.96 |
| Nov-13 | \$34,534.6 | \$33,081.0 | \$31,448.0 | 0.96 | 1.05 | \$64,008.7 | \$61,026.9 | \$60,462.6 | 0.95 | 1.01 |
| Dec-13 | \$38,697.7 | \$34,362.0 | \$27,633.6 | 0.89 | 1.24 | \$102,706.4 | \$95,388.9 | \$88,096.2 | 0.93 | 1.08 |
| Jan-14 | \$29,325.1 | \$26,999.1 | \$30,991.1 | 0.92 | 0.87 | \$132,031.5 | \$122,388.0 | \$119,087.3 | 0.93 | 1.03 |
| Feb-14 | \$30,875.1 | \$26,773.8 | \$27,781.6 | 0.87 | 0.96 | \$162,906.6 | \$149,161.8 | \$146,868.9 | 0.92 | 1.02 |
| Mar-14 | \$28,983.5 | | | | | | | | | |
| Apr-14 | \$29,452.1 | | | | | | | | | |
| May-14 | \$38,593.2 | | | | | | | | | |
| Jun-14 | \$30,214.0 | | | | | | | | | |
| Jul-14 | \$30,308.9 | | | | | | | | | |
| Aug-14 | \$38,682.2 | | | | | | | | | |
| Sep-14 | \$37,840.4 | | | | | | | | | |
| CTD | \$2,054,650.5 | \$2,040,905.6 | \$2,038,612.7 | 0.99 | 1.00 | | | | | |



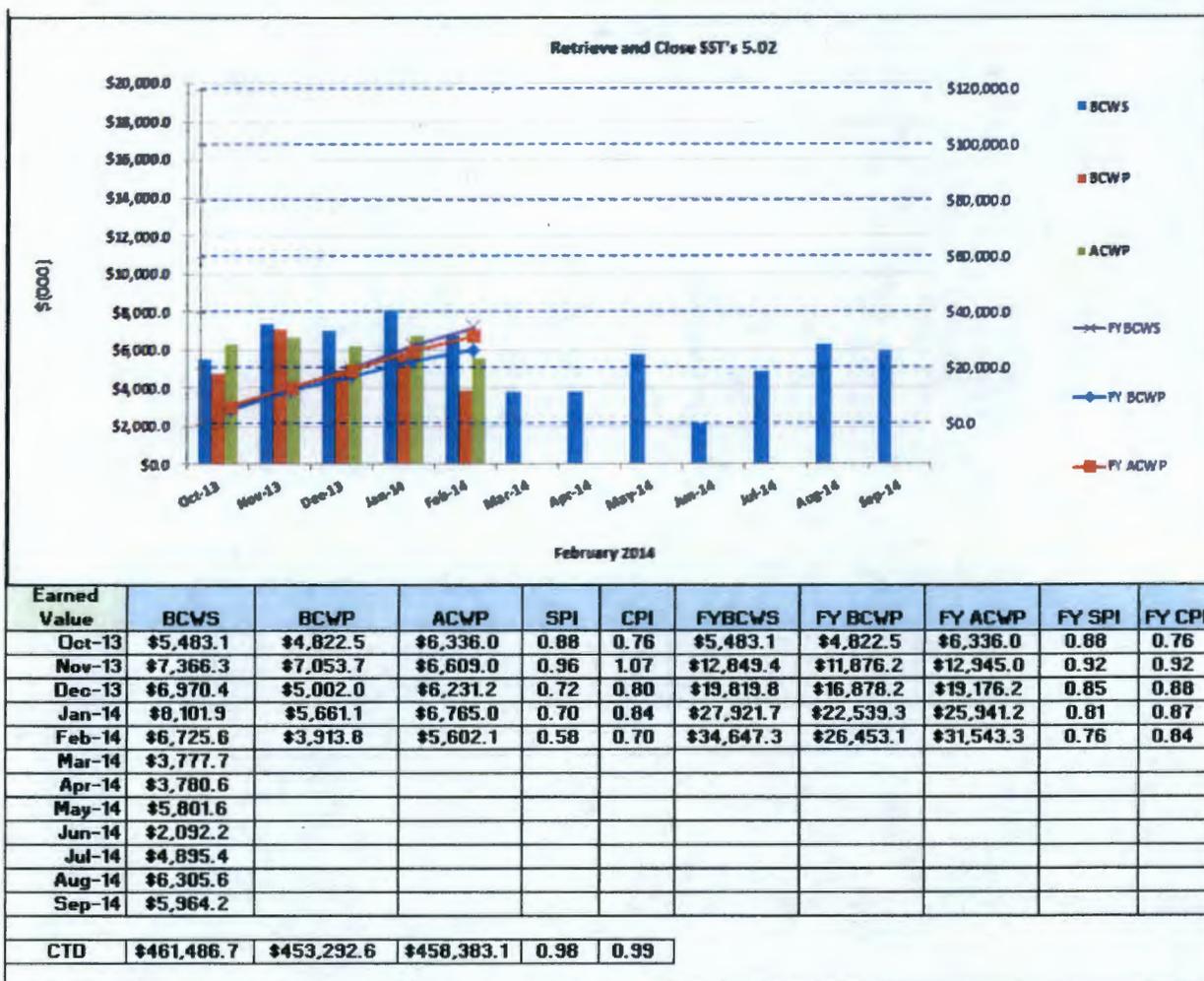
Base Operations and Tank Farm Projects

The current month unfavorable schedule variance (SV) of **(\$1,100K)** is due to:

- Delays to grab samples of Double Shell Tank AN-106 and Double Shell Tank AZ-102 due to retrievals delays and recirculation of AZ-102 in support of the 242-A Evaporator Campaign.
- Slower than anticipated ramp-up of tank chemistry testing and analysis work scope
- Delay to the core sample at DST SY-102 due to the core sampling platform not being ready

The current month favorable cost variance (CV) of \$737.5K is due to:

- Unfilled vacancies and reduced overtime due to continuing resolution in Maintenance Services and Radiation Protection.



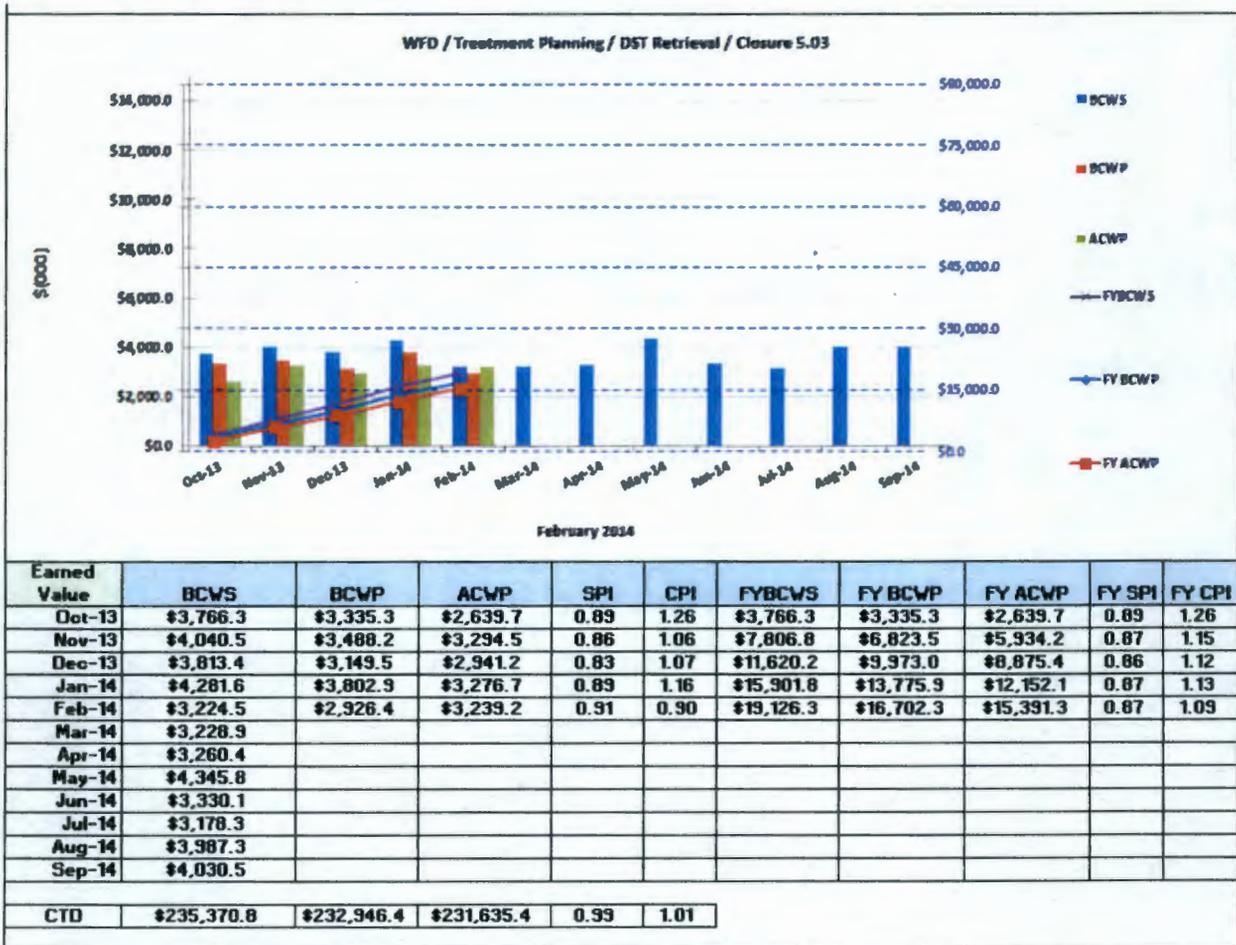
Retrieval and Close Single-Shell Tanks

The current month unfavorable schedule variance (SV) of **(\$2,811.8K)** is due to:

- Delay of retrieval activities at Single-Shell Tank C-105 due to prioritizing Single-Shell Tank C-107 retrieval operations over the MARS-V testing and readiness activities
- Delays at Single-Shell Tank C-111 due to delays in equipment installation and testing of the High Pressure Water Skid.

The current month unfavorable cost variance (SV) of **(\$1,688.3K)** is due to:

- Additional costs need for Single-Shell Tank C-107 for crane, rigging and labor support required for installation and testing of the new slurry pump and disposal of the failed slurry pump
- Additional costs for Single-Shell Tank C-105 materials and engineering support required to complete design of the Automated Temperature Monitoring system
- Completion of shielding on transfer lines for Single-Shell Tank C-105 being performed on overtime.



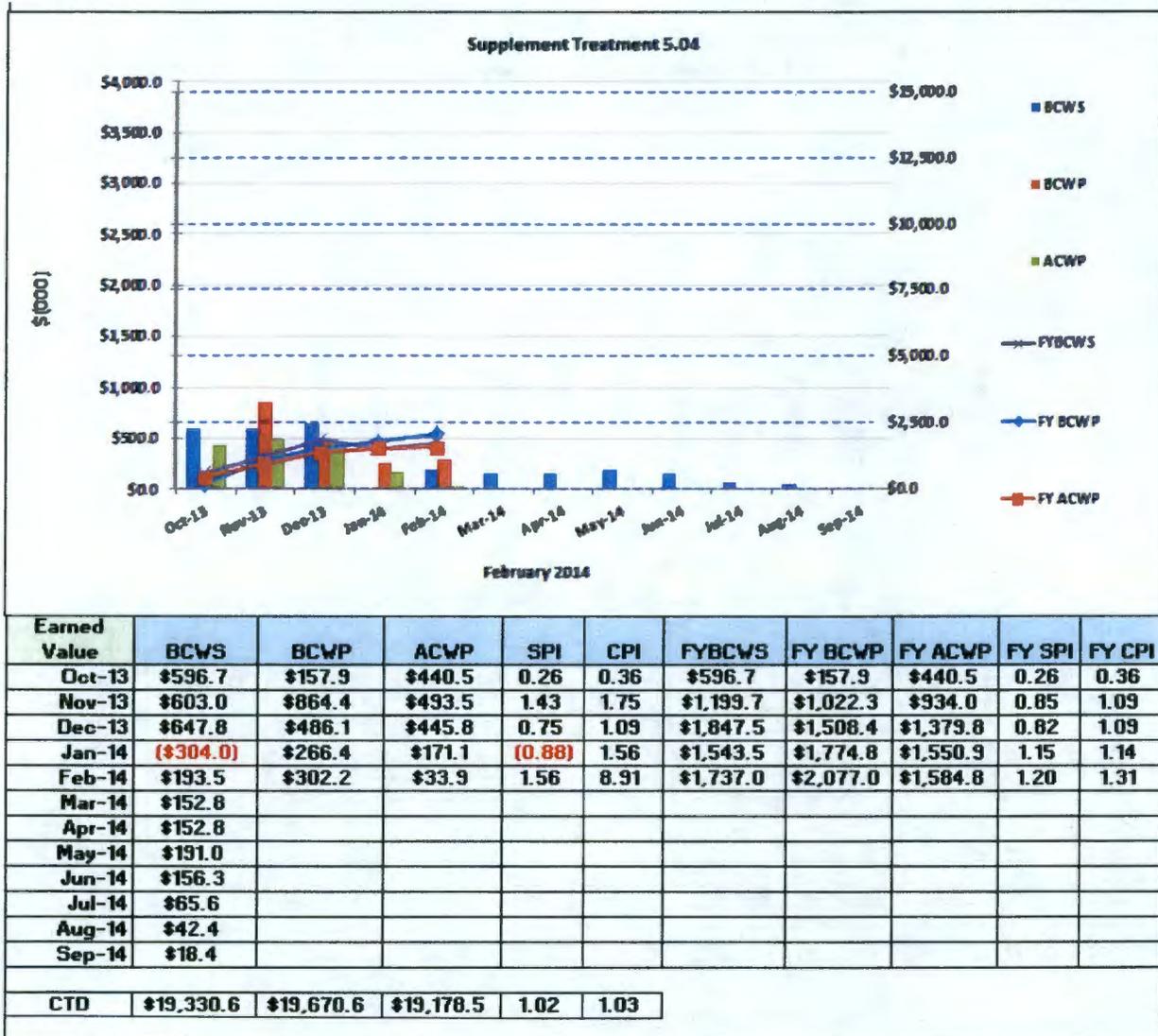
Waste Feed Delivery/Treatment/Double-Shell Tank Retrieval Closure

The current month unfavorable schedule variance (SV) of **(\$298.1K)** is due to:

- The WTP Integrated Operational Readiness activities being placed on hold due to limited resources.

The current month unfavorable cost variance (CV) of **(\$312.8K)** is due to:

- High Level Waste Design Review team, which was planned to be released in December, was retained through February to assist in preparation of the final report.



Supplemental Treatment

The current month favorable schedule variance (SV) of \$108.6K is within the reporting threshold.

The current month favorable cost variance (CV) of \$268.2K is due to

- Tc Removal and Low Temperature Waste Form work being performed by Savannah River National Laboratories (SRNL) under an inter-entity work order agreement which has not yet been costed.

Work Breakdown Structure 5.2 Retrieve and Close Single-Shell Tanks

M-045-22, Review M-045-22-T03 Report and Determine Path Forward, Due: September 30, 2014, based on M-045-20 TPA Change Package M-45-12-05, Status: On schedule. This ORP/Ecology decision point will determine whether to continue with soil desiccation/contaminant removal testing and other interim measures, and if the remaining work in Milestone M-045-92 should be modified. See ORP letter 13-TF-0014, dated March 18, 2013 and TPA Change Package M-45-12-05 (approved on April 1, 2013) for more information.

M-045-22-T01, Submit Results of Vadose Zone Characterization of 241-TX to Ecology, Due: September 30, 2014, based on M-045-20 TPA Change Package M-45-12-05, Status: On schedule.

M-045-22-T02, Submit Results of Vadose Zone Characterization of 241-U to Ecology, Due: April 30, 2014, based on M-045-20 TPA Change Package M-45-12-05, Status: Complete. ORP submitted this deliverable to ECY on February 20, 2014, via letter 14-TF-0015.

M-045-22-T03, Submit SX Soil Desiccation/Contaminate Removal Tech Results to Ecology, Due: July 31, 2014, based on M-045-20 TPA Change Package M-45-12-05, Status: On schedule.

M-045-56J, Complete Implementation of Agreed to Interim Measures, Due: July 31, 2014, Status: On schedule.

M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST Waste Management Areas (WMA) (pending the Corrective Measures Study report, Milestone M-45-58, and implementation of other interim corrective measures), Due: To be determined, Status: On schedule.

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA Area C (WMA-C), Due: December 31, 2014, Status: To be missed. Please see issues.

M-045-62, Submit to Ecology for review and approval as an agreement primary document a Phase 2 Corrective Measures Study Implementation Plan for WMA-C, Due: June 30, 2015, Status: To be missed. Please see issues.

M-045-92, Complete Installation of Four (4) Additional Interim Barriers (see interim milestones below), Due: October 31, 2017, Status: On schedule. TPA Change Package M-45-12-04 describes these milestones and how the process to move forward with construction/design of additional barriers will depend on discussions and decisions per TPA Milestone M-045-22.

M-045-92N, Construct Barriers 1 and 2 in 241-SX Farm, Due: October 31, 2015, Status: On schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3, Due: June 30, 2015, Status: On schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

Significant Past Accomplishments:

- Automated data collection systems for T Farm and TY Farm interim barrier monitoring continue gathering data.
- Pore water extraction test south of SX Farm under the M-045-20 work plan continues.
- Collection of resistivity data near the C-200 tanks has been completed. Analysis of the data was completed and a report issued. This work was completed per the WMA-C Phase 2 Resource Conservation and Recovery Act Facility Investigation (RFI)/Corrective Measures Study Work Plan, and will be incorporated into the RFI.
- Data collection in U Farm for electrical resistivity characterization was completed. Data analysis and reporting was completed, and the report provided to ECY to complete M-045-22-T02.
- Direct-push field work in TX Farm continues under the M-045-20 work plan and M-045-21 sampling and analysis plan.
- Documentation of the WMA-C Phase 2 Resource Conservation and Recovery Act Field Investigation Report continues.

Significant Planned Actions in the Next 6 Months:

- Complete direct-push field work in TX Farm under the M-045-20 work plan and prepare the analysis report.
- Continue documentation of the WMA-C Phase 2 Resource Conservation and Recovery Act Facility Investigation Report.
- Complete the SX Farm pore water extraction proof of principle test under the M-045-20 work plan and prepare the test report.

SST Retrieval and Closure Program

M-045-82, Submit complete permit mod requests for Tiers 1, 2, and 3 of the SST, Due: September 30, 2015, Status: To be missed. Please see issues.

M-045-84, Complete negotiations of TPA interim milestones for closure of second WMA, Due: January 31, 2017, Status: On schedule.

M-045-83, Complete the closure of WMA-C, Due: June 30, 2019, Status: On schedule.

M-045-85, Complete negotiations of TPA interim milestones for closure of remaining WMAs, Due: January 31, 2022, Status: On schedule.

M-045-70, Complete waste retrieval from all remaining SSTs, Due: December 31, 2040, Status: On schedule.

M-045-00, Complete closure of all SST farms, Due: January 31, 2043, Status: On schedule.

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: To be determined (12 months after retrieval certification), Status: On schedule.

- M-045-86C: Retrieval Data Report for C-104 is due March 21, 2014. Completed on February 18, 2014 with letter 14-TF-0013.
- M-045-86F: Retrieval Data Report for C-108 is due May 1, 2014. Completed on November 27, 2013 with letter 13-TF-0120.
- M-045-86G: Retrieval Data Report for C-109 is due June 4, 2014. Completed on March 13, 2014 with letter 14-TF-0020.
- M-045-86H: Retrieval Data Report for C-110 is due January 29, 2015.

Significant Past Accomplishments:

- Completed post-retrieval logging of the drywells near C-104 and C-109 to support the retrieval data reports.
- Held the kick-off meeting with regulators/stakeholders to discuss the activities underway for the WMA-C performance assessment. Numeric modeling for the performance assessment has begun. A meeting was held with ECY on March 20, 2014 to report progress.
- Retrieval completion certification for C-110 was transmitted to Ecology on January 29, 2014 under ORP letter 14-TF-0007.
- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next 6 Months:

- Develop the Retrieval Data Report for C-110.
- Continue numeric modeling for the WMA-C performance assessment
- See discussions above and related discussions in Consent Decree report.

Issues:

ORP and Ecology continue to meet to develop an integrated path forward that addresses all the deliverables associated with Milestones M-045-61, M-045-62, and M-045-82.

Tank Waste Retrieval Work Plan Status

| Tank | TWRWP | Expected Revisions | Retrieval Technology | Second Technology | Third Technology |
|-------|-------------------|--------------------|-----------------------------|---|--------------------------------|
| C-101 | RPP-22520, Rev. 8 | Complete | Modified Sluicing with ERSS | High-Pressure Water with ERSS | - |
| C-102 | RPP-22393, Rev. 7 | In Process | Modified Sluicing with ERSS | High-Pressure Water with ERSS | - |
| C-104 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0018 | - |
| C-105 | RPP-22520, Rev. 8 | Complete | MARS-V | MARS-V-High Pressure Water | - |
| C-107 | RPP-22393, Rev. 7 | Complete | MARS-S | MARS-S -High Pressure Water | - |
| C-108 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0025 | - |
| C-109 | RPP-21895, Rev. 5 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0037 | - |
| C-110 | RPP-33116, Rev. 3 | In process | Modified Sluicing | Mechanical Waste Conditioning | High Pressure Water |
| C-111 | RPP-37739, Rev. 2 | Complete | Modified Sluicing | High pressure water with ERSS | Chemical Dissolution with ERSS |
| C-112 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution | - |

ERSS = Extended Reach Sluicing System.
MARS = Mobile Arm Retrieval System.
S = sluicing.
TWRWP = Tank Waste Retrieval Work Plan.
V = vacuum.

Significant Accomplishments:

RPP-22520 was revised and released 03/18/2014 incorporating all outstanding modification notices.

Significant Planned Activities in the Next 6 Months:

Modify Tank Waste Retrieval Work Plan RPP-22393, Rev. 7 to provide a discussion of a 3rd retrieval technology, hot water dissolution, for tank C-107.

Issues:

None.

Tank in Appendix H, "Status - Single Shell Waste Retrieval Criteria"**Tank 241-C-106****Significant Past Accomplishments:**

None.

Significant Planned Activities in the Next 6 Months:

Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A request for additional information was received from the NRC in February 2009.

Issues:

It has been discussed with the NRC that much of the additional information requested is dependent upon development of C Farm residual waste Performance Assessment (PA) and, therefore, cannot be provided until the PA is published.

Tank Retrievals with Individual Milestones**Tank 241-A-103**

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: September 30, 2022, Status: On schedule. Change Package M-45-11-04 replaced Tank S-102 with Tank A-103 and changed the milestone completion date for M-045-15 to September 30, 2022.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: September 30, 2022, Status: On schedule. Updated with Tank A-103 and due date of September 30, 2022, per Change Package M-45-11-04,

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: September 30, 2022, Status: On schedule. Updated with Tank A-103 and due date of September 30, 2022, per Change Package M-45-11-04.

Significant Past Accomplishments:

Change Package M-45-11-04 was signed by ORP and Ecology on April 19, 2011.

No significant planned activities in the next 6 months and no issues for Tank 241-A-103.

Tank 241-S-112

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: To be determined (in accordance with M-045-84 or M-045-85), Status: On schedule.

M-045-13E, Complete Negotiations for Interim Milestones for Closure of S-112, Due: To be determined, Status: On schedule as part of M-045-84 or M-045-85.

Significant Past Accomplishments:

Ecology letter of January 7, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

No significant planned activities in the next 6 months and no issues for Tank 241-S-112.

FINAL

Office of River Protection
Consent Decree 08-5085-FVS
Monthly Summary Report
April 2014

Office of River Protection

Consent Decree 08-5085-FVS
Monthly Summary Report

April 2014 (Monthly Summary Report/Project Earned Value Management System reflects February 2014 information)

| Page | Topic | Leads |
|------|---|------------------------------------|
| 3 | Statistics/Status | James Lynch/Dan McDonald/Jeff Lyon |
| 4 | Single-Shell Tank (SST) Retrieval and Closure – D-00B-01, D-00B-02, D-00B-03, D-00B-04 | Chris Kemp/Jeff Lyon |
| 5 | Tank Waste Retrieval Work Plan Status – Consent Decree Appendix C | Chris Kemp/Jeff Lyon |
| 6 | SST Retrieval Monthly and Fiscal Year Earned Value Management System Data | Kathy Higgins/Jeff Lyon |
| 7 | Waste Treatment and Immobilization Plant (WTP) Project – D-00A-06, D-00A-17, D-00A-01 | Delmar Noyes/Dan McDonald |
| 10 | WTP Pretreatment Facility – D-00A-18, D-00A-19, D-00A-13, D-00A-14, D-00A-15, D-00A-16 | Wahed Abdul/Dan McDonald |
| 13 | High-Level Waste Facility – D-00A-20, D-00A-21, D-00A-02, D-00A-03 | Wahed Abdul/Dan McDonald |
| 16 | Low-Activity Waste Facility – D-00A-07, D-00A-08, D-00A-09 | Jeff Bruggeman/Dan McDonald |
| 18 | Balance of Facilities – D-00A-12 | Jason Young/Dan McDonald |
| 20 | Analytical Laboratory – D-00A-005 | |

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|---|------------|-----------------|-----------|
| Fiscal Year 2013 | | | | |
| D-00A-05 | LAB Construction Substantially Complete | 12/31/2012 | 12/31/2012 | Completed |
| D-00A-12 | Steam Plant Construction Complete | 12/31/2012 | 12/31/2012 | Completed |
| D-00A-21 | Complete Construction of Structural Steel to elevation of 37 feet in HLW Fac. | 12/31/2012 | 10/24/2012 | Completed |
| Fiscal Year 2014 | | | | |
| D-00B-01 | Complete Retrieval of Tank Waste from 10 SSTs in WMA-C | 09/30/2014 | | Ongoing* |
| D-00B-02 | Advise Ecology of the 9 SSTs Waste Will be Retrieved by 2022 | 09/30/2014 | 08/24/2011 | Completed |
| Fiscal Year 2015 | | | | |
| D-00A-07 | LAW Facility Construction Substantially Complete | 12/31/2014 | | Ongoing* |
| D-00A-19 | Complete elevation 98 feet Concrete Floor Slab Placements in PT Facility | 12/31/2014 | | Ongoing* |

DOE = U.S. Department of Energy.
 Ecology = Washington State Department of Ecology.
 Fac. = facility.
 HLW = high-level waste.
 LAB = Analytical Laboratory.
 LAW = low-activity waste.
 PT = pretreatment.
 SST = single-shell tank.
 WMA-C = C-Farm Waste Management Area.

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone.

Consent Decree Reports/Reviews

D-00C-01 series, Submit to State of Washington and State of Oregon Semi-Annual Report, Due: Semi-annually – January 31 and July 31 of each year, Status: On-going.

D-00C-02 series, Submit to State of Washington and State of Oregon Monthly Summary Reports, Due: End of each month, Status: On-going.

D-006-00-A, Meet Approximately Every Three Years after Entry of Decree to review requirements of the Consent Decree, Held: December 10, 2013, Status: Completed.

D-006-00-A1, Provide State of Oregon notice of meetings in D-006-00-A, etc. no less than 30 days before they are scheduled, Sent: November 8, 2013, Status: Completed.

Single-Shell Tank Retrieval Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining Single-Shell Tanks (SST) in C-Farm Waste Management Area (WMA-C), Due: September 30, 2014, Status: Ongoing.* Please see issues.

D-00B-01A thru J, Submit Tank Retrieval Complete Certification, Due: To be determined, pursuant to Section IV-B-5 of the Consent Decree, U.S. Department of Energy (DOE) must submit to the Washington State Department of Ecology (Ecology) a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix C, Part 1, of the Consent Decree. Completed for SST C-104 on March 21, 2013, via DOE Office of River Protection (ORP) letter 13-TF-0018. Completed for SST C-108 on May 1, 2013, via ORP letter 13-TF-0025. Completed for SST C-109 on June 4, 2013, via ORP letter 13-TF-0037. Completed for SST C-110 on January 29, 2014 via ORP letter 14-TF-0007.

D-00B-02, Advise Ecology of the Nine SSTs from which Waste Will Be Retrieved by 2022, Due: September 30, 2014, Status: Completed on August 24, 2011.

D-00B-03, Initiate Startup of Retrieval in At Least five of nine SSTs in D-00B-02, Due: December 31, 2017, Status: On-going.

D-00B-04, Complete Retrieval of Tank Wastes from the nine SSTs in D-00B-02, Due: September 30, 2022, Status: On-going.

D-00B-04A thru D-00B-04I, Submit Tank Retrieval Complete Certification, Due: To be determined.

Significant Past Accomplishments:

- Ramped up efforts regarding readiness activities for C-102 Modified Sluicing startup.
- Continued testing of equipment for the Mobile Arm Retrieval System-Vacuum (MARS-V) at C-105. All major equipment has been installed, continued Construction Acceptance Testing (CAT) of the installed system.
- Continued C-107 Mobile Arm Retrieval System operation, utilizing high pressure water operations for hard heel removal.
- Continued construction activities for installation of equipment for hard heel removal system at C-111, continued with CAT testing.
- ORP provided the request to forego a 3rd retrieval technology in tank 241-C-101 to Ecology for their review on 02/18/2014 via ORP letter 14-TF-0012.

Significant Planned Activities in the Next 6 Months:

- Complete readiness of the modified sluicing system in C-102, startup retrieval of C-102.
- Complete readiness of the MARS-V in C-105, startup of the MARS-V for C-105.
- Begin startup of hard heel retrieval in C-111 using high pressure water, with caustic/water dissolution available.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone.

Tank Waste Retrieval Work Plan Status

| Tank | TWRWP | Expected Revisions | Retrieval Technology | Second Technology | Third Technology |
|-------|-------------------|--------------------|-----------------------------|---|--------------------------------|
| C-101 | RPP-22520, Rev. 8 | Complete | Modified Sluicing with ERSS | High-Pressure Water with ERSS | - |
| C-102 | RPP-22393, Rev. 7 | In Process | Modified Sluicing with ERSS | High-Pressure Water with ERSS | - |
| C-104 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0018 | - |
| C-105 | RPP-22520, Rev. 8 | Complete | MARS-V | MARS-V-High Pressure Water | - |
| C-107 | RPP-22393, Rev. 7 | Complete | MARS-S | MARS-S -High Pressure Water | - |
| C-108 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0025 | - |
| C-109 | RPP-21895, Rev. 5 | Complete | Modified Sluicing | Chemical Dissolution, retrieval complete per 13-TF-0037 | - |
| C-110 | RPP-33116, Rev. 3 | In process | Modified Sluicing | Mechanical Waste Conditioning | High Pressure Water |
| C-111 | RPP-37739, Rev. 2 | Complete | Modified Sluicing | High pressure water with ERSS | Chemical Dissolution with ERSS |
| C-112 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Dissolution | - |

ERSS = Extended Reach Sluicing System.

MARS = Mobile Arm Retrieval System.

S = sluicing.

TWRWP = Tank Waste Retrieval Work Plan.

V = vacuum.

Significant Past Accomplishments:

RPP-22520 was revised and released 03/18/2014 incorporating all outstanding modification notices.

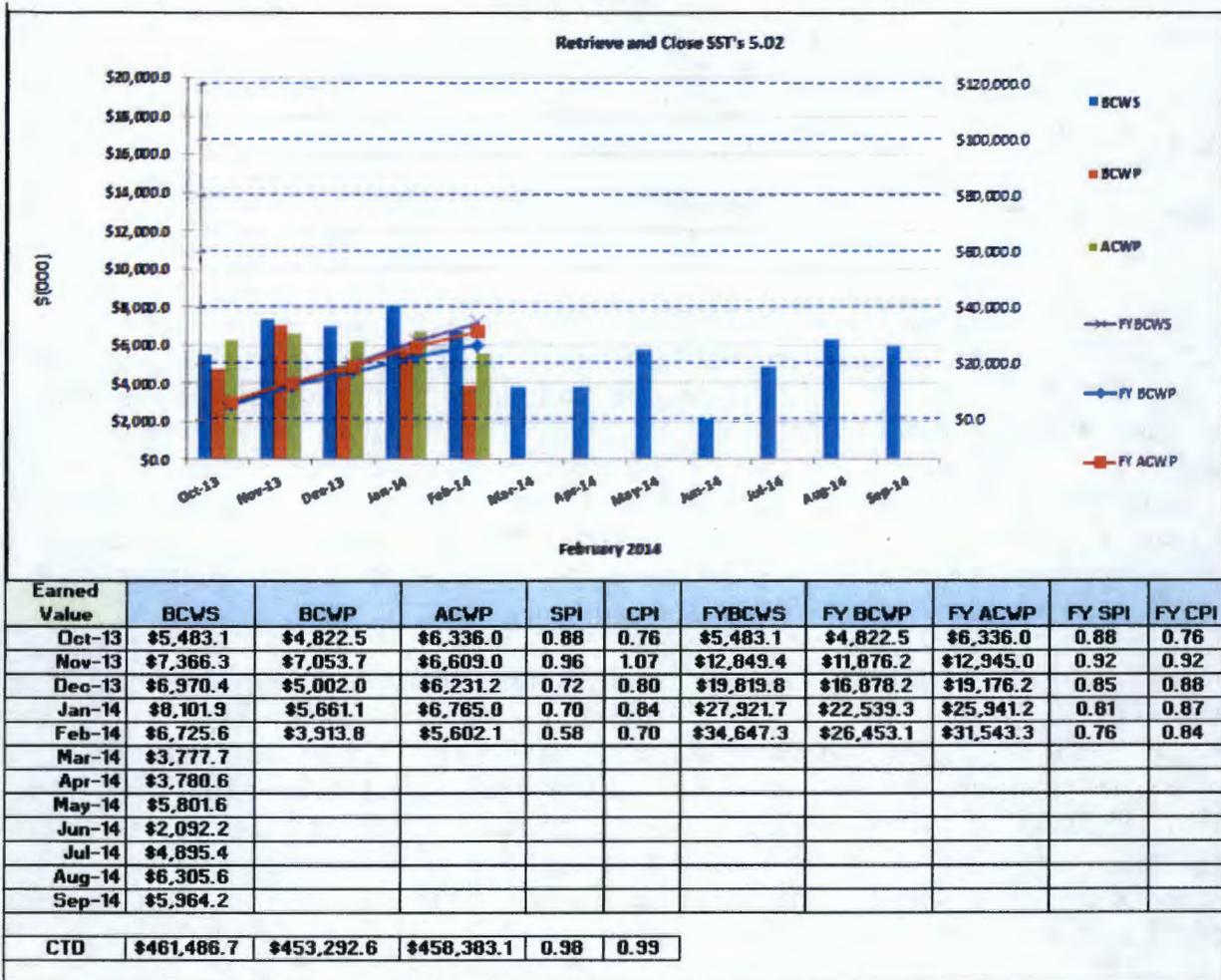
Significant Planned Activities in the Next 6 Months:

Modify Tank Waste Retrieval Work Plan RPP-22393, Rev. 7 to provide a discussion of a 3rd retrieval technology, hot water dissolution, for tank C-107.

Issues:

No major issues at this time.

Single-Shell Tank Retrieval Monthly and Fiscal Year Earned Value Management System Data



Retrieval and Close Single-Shell Tanks

The current month unfavorable schedule variance (SV) of **(\$2,811.8K)** is due to:

- Delay of retrieval activities at Single-Shell Tank C-105 due to prioritizing Single-Shell Tank C-107 retrieval operations over the MARS-V testing and readiness activities
- Delays at Single-Shell Tank C-111 due to delays in equipment installation and testing of the High Pressure Water Skid.

The current month unfavorable cost variance (SV) of **(\$1,688.3K)** is due to:

- Additional costs need for Single-Shell Tank C-107 for crane, rigging and labor support required for installation and testing of the new slurry pump and disposal of the failed slurry pump
- Additional costs for Single-Shell Tank C-105 materials and engineering support required to complete design of the Automated Temperature Monitoring system
- Completion of shielding on transfer lines for Single-Shell Tank C-105 being performed on overtime.

Waste Treatment and Immobilization Plant Project

| Number | Title | Due Date | Status |
|----------|--|------------|----------|
| D-00A-06 | Complete Methods Validations | 12/31/2017 | Ongoing* |
| D-00A-17 | Hot Start of Waste Treatment Plant | 12/31/2019 | Ongoing* |
| D-00A-01 | Achieve Initial Plant Operations for WTP | 12/31/2022 | Ongoing* |

The Waste Treatment and Immobilization Plant (WTP) Project currently employs approximately 2,255 full-time equivalent contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 613 craft, 373 nonmanual, and 168 subcontractor full-time equivalent personnel working at the WTP construction site (all facilities).

As of February 2014, the combined Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) (collectively LBL) were 67-percent complete, design and engineering was 81-percent complete, procurement was 84-percent complete, construction was 77-percent complete, and startup and commissioning was 12-percent complete.

In September 2012, the baseline change proposal that implemented the LAW, LAB, and BOF replan was incorporated into the project over-target baseline, resulting in increases/decreases to the LBL Facility budgets, which correspondingly increased/decreased the facility/function to-date, percent-complete values. In October 2012, the Pretreatment (PT) and High-Level Waste (HLW) Facilities 2-Year Interim Work Plan was incorporated into the project over-target baseline and the percent-complete values for PT and HLW Facilities were frozen at the September 2012 rate. The WTP Project continues to progress in accordance with the LBL replan and PT/HLW 2-Year Interim Work Plan.

In February 2014, the cumulative to-date WTP Project schedule variance was a negative \$81.1 million, and the cumulative to-date WTP Project cost variance was a negative \$12.6 million. The major contribution to the cumulative to-date cost and schedule variance is based on the progress of the LBL replan and PT/HLW 2-Year Interim Work Plan.

The following is the status of project matters through the end of February.

Significant Past Accomplishments:

- Issued PT Full Scale Vessel Testing Strategy to support design verification (PT)
- Issued PT Facility Sampling Execution Plan to support sampling validation (PT)
- Completed 2 concrete placements (HLW)
- Completed hydrostatic testing of 3,950 linear feet of piping (LAW)
- Installed 1,060 linear feet of electrical conduit and pulled 21,740 linear feet of cable (LAW)
- Issued letter to BNI to provide 2-year work plan for FY 2015 and FY 2016 for implementing in September. (PT, HLW)

Significant Planned Actions in the Next 6 Months:

- Develop HLW-specific safety design strategy (HLW)
- Complete installation of autosampling system (LAW)
- Complete construction of the Glass Former Storage Facility (BOF)
- Complete repairs, retest, and recertify RLD vessels (LAB)
- BNI is developing a 2 year work plan for FY 2015 and FY 2016. (PT, HLW)

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues relevant to the PT and HLW Facilities include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

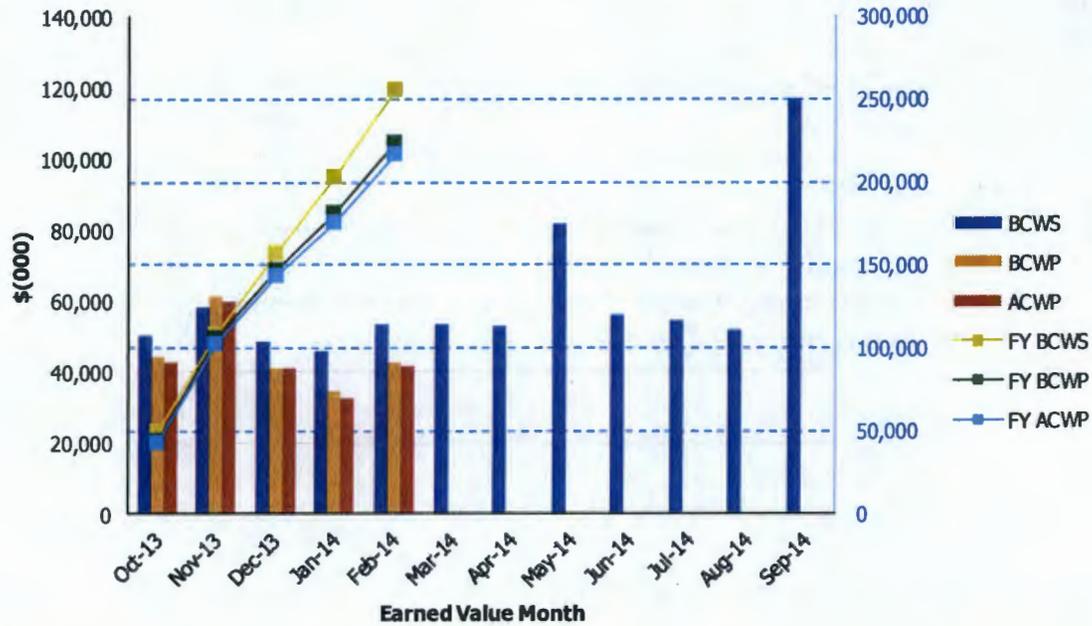
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
Waste Treatment Plant (WTP) Project**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|--------------------|--------------------|--------------------|-------------|-------------|-----------|-----------|-----------|--------|--------|
| Oct 2013 | \$49,959 | \$43,981 | \$42,448 | 0.88 | 1.04 | \$49,959 | \$43,981 | \$42,448 | 0.88 | 1.04 |
| Nov 2013 | \$58,047 | \$61,276 | \$59,935 | 1.06 | 1.02 | \$108,006 | \$105,257 | \$102,383 | 0.97 | 1.03 |
| Dec 2013 | \$48,739 | \$41,149 | \$40,881 | 0.84 | 1.01 | \$156,745 | \$146,406 | \$143,264 | 0.93 | 1.02 |
| Jan 2014 | \$45,633 | \$34,448 | \$32,185 | 0.75 | 1.07 | \$202,378 | \$180,854 | \$175,449 | 0.89 | 1.03 |
| Feb 2014 | \$53,315 | \$42,491 | \$41,349 | 0.80 | 1.03 | \$255,693 | \$223,345 | \$216,798 | 0.87 | 1.03 |
| Mar 2014 | \$53,046 | | | | | | | | | |
| Apr 2014 | \$52,930 | | | | | | | | | |
| May 2014 | \$81,726 | | | | | | | | | |
| Jun 2014 | \$56,083 | | | | | | | | | |
| Jul 2014 | \$54,292 | | | | | | | | | |
| Aug 2014 | \$51,488 | | | | | | | | | |
| Sep 2014 | \$116,961 | | | | | | | | | |
| PTD | \$8,045,905 | \$7,964,820 | \$7,977,407 | 0.99 | 1.00 | | | | | |

Pretreatment Facility

| Number | Title | Due Date | Status |
|----------|---|------------|-----------|
| D-00A-19 | Complete Elevation 98' Concrete Floor Slab in PT Facility | 12/31/2014 | Ongoing * |
| D-00A-13 | Complete Installation of Pretreatment Feed Separation Vessels | 12/31/2015 | Ongoing * |
| D-00A-14 | PT Facility Construction Substantially Complete | 12/31/2017 | Ongoing * |
| D-00A-15 | Start PT Facility Cold Commissioning | 12/31/2018 | Ongoing * |
| D-00A-16 | PT Facility Hot Commissioning Complete | 12/31/2019 | Ongoing * |

The PT Facility will separate radioactive tank waste into HLW and LAW fractions and transfer each waste type to the respective vitrification facility for immobilization. As of September 2012, the PT Facility was 56-percent complete overall, with engineering design 85-percent complete, procurement 56-percent complete, construction 43-percent complete, and startup and commissioning 3-percent complete. Construction, procurement, and production engineering activities remain on hold, resulting in no change to the percent-complete status since September 2012. BNI and DOE continue to focus on resolving technical issues, performing hazard analyses, and completing safety evaluations for process systems in accordance with the PT/HLW 2-Year Interim Work Plan.

Technical review teams continue to evaluate open PT technical issues. Construction of the mixing test platform continues in preparation for full-scale testing. BNI is incorporating information provided by the National laboratories into test plans, simulant composition, and instrumentation requirements. Evaluation is ongoing relative to a standardized design for high solids vessels within the PT facility.

Significant Past Accomplishments:

- Initiated PT resumption planning
- Continued construction at Full-Scale Test Facility with lifting of the pipe bridge into position
- Continued jet impingement testing for erosion
- Issued U.S. Department of Energy Approach for Resolution of Pulse-Jet- Mixed Vessel Technical Issues in the Waste Treatment and Immobilization Plan to support design verification
- Issued PT Facility Sampling Execution Plan to support sampling validation

Significant Planned Actions in the Next 6 Months:

- Evaluate potential savings relative to storing procured commodities at site compared to storing at vendor facilities during suspensions of procurements
- Award sensitivity tests for erosion in vessels and piping and start slurry pot testing for erosion
- Update basis of design for safety classification regarding seismic analysis of vessels

- Finalize test plan, simulant composition, and test instrument list for full-scale vessel mixing tests
- Define standardized vessel selection criteria in support of vessel mixing resolution
- Issue PT Vessel Structural Technical Decision Plan to support a standardized vessel
- Receive BNI plan for resolution of criticality and hydrogen generation in vessels
- Complete construction at Full Scale Vessel Testing Facility

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues relevant to the PT and HLW Facilities include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed specification.

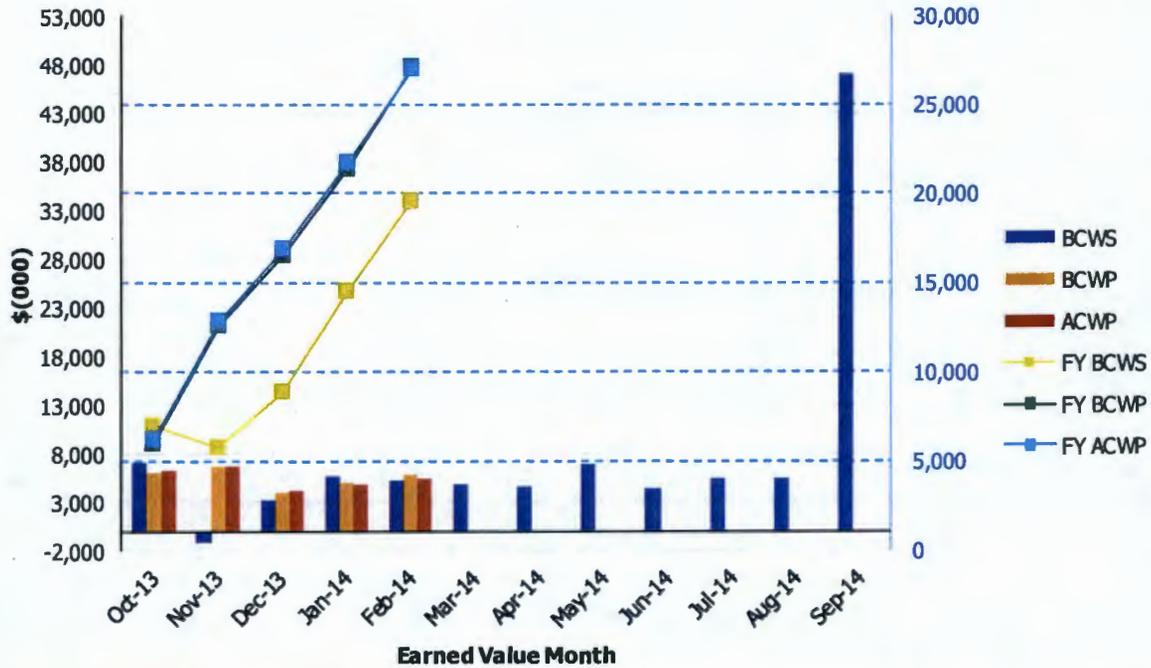
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
Pretreatment Facility**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|--------------------|--------------------|--------------------|-------------|-------------|----------|----------|----------|--------|--------|
| Oct 2013 | \$6,954 | \$5,927 | \$6,224 | 0.85 | 0.95 | \$6,954 | \$5,927 | \$6,224 | 0.85 | 0.95 |
| Nov 2013 | (\$1,213) | \$6,673 | \$6,646 | -5.50 | 1.00 | \$5,741 | \$12,600 | \$12,870 | 2.19 | 0.98 |
| Dec 2013 | \$3,109 | \$3,957 | \$4,053 | 1.27 | 0.98 | \$8,850 | \$16,557 | \$16,923 | 1.87 | 0.98 |
| Jan 2014 | \$5,616 | \$4,856 | \$4,809 | 0.86 | 1.01 | \$14,466 | \$21,413 | \$21,732 | 1.48 | 0.99 |
| Feb 2014 | \$5,155 | \$5,673 | \$5,261 | 1.10 | 1.08 | \$19,621 | \$27,086 | \$26,993 | 1.38 | 1.00 |
| Mar 2014 | \$4,695 | | | | | | | | | |
| Apr 2014 | \$4,526 | | | | | | | | | |
| May 2014 | \$6,845 | | | | | | | | | |
| Jun 2014 | \$4,421 | | | | | | | | | |
| Jul 2014 | \$5,437 | | | | | | | | | |
| Aug 2014 | \$5,459 | | | | | | | | | |
| Sep 2014 | \$46,949 | | | | | | | | | |
| PTD | \$1,546,910 | \$1,537,096 | \$1,534,737 | 0.99 | 1.00 | | | | | |

High-Level Waste Facility

| Number | Title | Due Date | Status |
|----------|--|------------|-----------|
| D-00A-21 | Complete Construction of Structural Steel to 37' in HLW Facility | 12/31/2012 | Complete |
| D-00A-02 | HLW Facility Construction Substantially Complete | 12/31/2016 | Ongoing * |
| D-00A-03 | Start HLW Facility Cold Commissioning | 6/30/2018 | Ongoing * |
| D-00A-04 | HLW Facility Hot Commissioning Complete | 12/31/2019 | Ongoing * |

The HLW Facility will receive the separated HLW concentrate from the PT Facility. This concentrate will be blended with glass formers and converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters. After cooling, the canisters will be sealed and decontaminated before shipment to interim storage.

As of September 2012, the HLW Facility was 62-percent complete overall, with engineering design 89-percent complete, procurement 81-percent complete, construction 43-percent complete, and startup and commissioning 4-percent complete. Construction, procurement, and production engineering activities have significantly slowed down, resulting in minimal change to the percent completion status since September. BNI and DOE continue to focus on resolving technical issues, performing hazard analyses, and completing safety evaluations for process systems in accordance with the PT/HLW 2-Year Interim Work Plan.

Construction activities include the placement of walls at the 37-ft elevation, installation of structural steel at the 58-ft and 77-ft elevation, and installation of cable tray supports and ventilation ducts at the 14-ft elevation. Engineering efforts are focused on resolution of Priority Level 1 findings. The Environmental and Nuclear Safety Group is in the process of developing the safety design strategy as part of the initiative to resume design, procurement, and construction.

Technical review teams completed evaluation of open technical issues to support the resumption of HLW construction. The path forward to ramp up HLW engineering, procurement and construction is ongoing and includes three actions: Conduct engineering studies to resolve technical safety issues; perform risk assessment for the issues noted in Priority Level 1 findings, reliability validation process, project issues evaluation reporting, etc.; and perform assessment of BNI process improvement for the readiness to proceed. Currently, the conditional approval (Decision 1) of the authorization to proceed with engineering, procurement, and construction is awaiting completion of the Safety Design Strategy (SDS) for HLW. However, DOE approved "Limited Production Engineering" activities to facilitate completion of outstanding corrective actions and resolution of existing design issues.

Significant Past Accomplishments:

- Completed 2 concrete placements
- HLW Facility efforts focused on supporting the conditional approval (Decision 1) of the authorization to proceed decision, and included the following activities:
 - Continued supporting DOE System Review Teams and developing resolution plan
 - Finalizing Safety Design Strategy for submittal to DOE
 - Implementing the updated Engineering and Environmental & Nuclear Safety processes and procedures

Significant Planned Actions in the Next 6 Months:

- Develop HLW-specific safety design strategy
- Develop plan to close technical issues and other issues (e.g., safety basis compliance, quality assurance issues, and design defensibility) of HLW
- Complete draft analysis of single-point failures in support of failure mode analysis
- Perform HEPA filter qualification testing at Mississippi State University.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues relevant to the PT and HLW Facilities include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed specification.

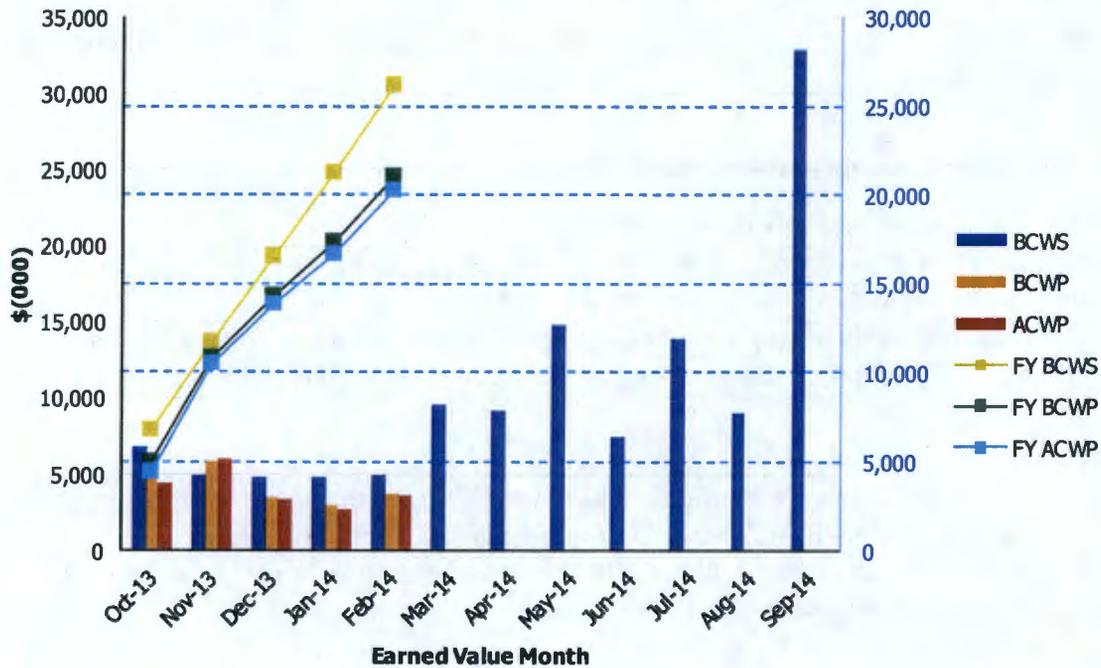
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
High-Level Waste Facility**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|-------------|-------------|-------------|------|------|----------|----------|----------|--------|--------|
| Oct 2013 | \$6,818 | \$4,914 | \$4,390 | 0.72 | 1.12 | \$6,818 | \$4,914 | \$4,390 | 0.72 | 1.12 |
| Nov 2013 | \$4,892 | \$5,842 | \$6,055 | 1.19 | 0.96 | \$11,710 | \$10,756 | \$10,445 | 0.92 | 1.03 |
| Dec 2013 | \$4,811 | \$3,559 | \$3,420 | 0.74 | 1.04 | \$16,521 | \$14,315 | \$13,865 | 0.87 | 1.03 |
| Jan 2014 | \$4,778 | \$2,998 | \$2,760 | 0.63 | 1.09 | \$21,299 | \$17,313 | \$16,625 | 0.81 | 1.04 |
| Feb 2014 | \$4,927 | \$3,736 | \$3,647 | 0.76 | 1.02 | \$26,226 | \$21,049 | \$20,272 | 0.80 | 1.04 |
| Mar 2014 | \$9,502 | | | | | | | | | |
| Apr 2014 | \$9,106 | | | | | | | | | |
| May 2014 | \$14,818 | | | | | | | | | |
| Jun 2014 | \$7,379 | | | | | | | | | |
| Jul 2014 | \$13,796 | | | | | | | | | |
| Aug 2014 | \$9,052 | | | | | | | | | |
| Sep 2014 | \$32,827 | | | | | | | | | |
| PTD | \$1,013,028 | \$1,010,229 | \$1,003,142 | 1.00 | 1.01 | | | | | |

Low-Activity Waste Facility

| Number | Title | Due Date | Status |
|----------|--|------------|----------|
| D-00A-07 | LAW Facility Construction Substantially Complete | 12/31/2014 | Ongoing* |
| D-00A-08 | Start LAW Facility Cold Commissioning | 12/31/2018 | Ongoing* |
| D-00A-09 | LAW Facility Hot Commissioning Complete | 12/31/2019 | Ongoing* |

The LAW Facility will process LAW that will be mixed with glass formers, vitrified into glass at a design capacity of 30 metric tons per day, and placed in stainless steel containers that are anticipated to be disposed of on the Hanford Site in the Integrated Disposal Facility. As of February 2014, the LAW Facility was 68-percent complete overall, with engineering design 81-percent complete, procurement 87-percent complete, construction 72-percent complete, and startup and commissioning 6-percent complete. On February 24, 2014, the Department of Energy requested that BNI develop a contract modification proposal for: 1) completing the LAW Facility, BOF and Analytical Laboratory work scope in the current contract through hot commissioning, and 2) completing initial planning and design for incorporating a permanent capability to accommodate a direct feed LAW (DFLAW) option in the WTP project.

Significant Past Accomplishments:

- Received the HEPA pre-heaters
- Received wet electrostatic precipitator (WESP) electrodes
- Continual installation of melter offgas piping on +48' elevation
- Continual installation of melter refractory
- Completed hydrostatic testing of 3,950 linear feet of piping
- Installed 1,060 linear feet of electrical conduit and pulled 21,740 linear feet of cable
- Completed hazard analysis meetings for the melter and off-gas

Significant Planned Actions in the Next 6 Months:

- Complete installation of autosampling system
- Continue refractory brick installation in the melters

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone.

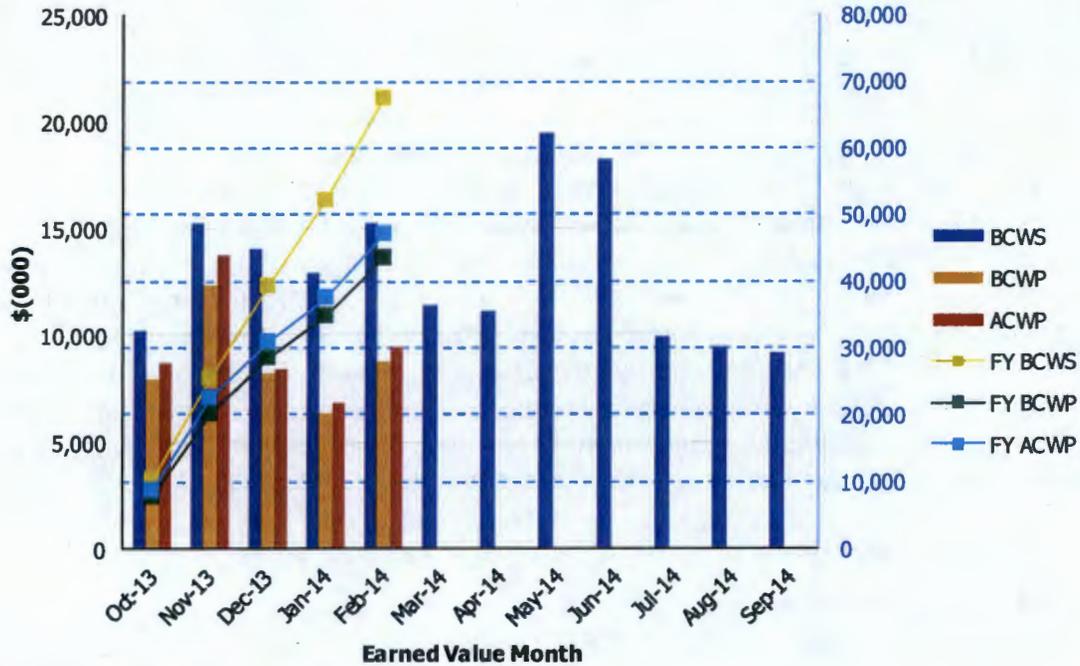
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
Low-Activity Waste Facility**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|-----------|-----------|-----------|------|------|----------|----------|----------|--------|--------|
| Oct 2013 | \$10,160 | \$7,952 | \$8,677 | 0.78 | 0.92 | \$10,160 | \$7,952 | \$8,677 | 0.78 | 0.92 |
| Nov 2013 | \$15,237 | \$12,339 | \$13,732 | 0.81 | 0.90 | \$25,397 | \$20,291 | \$22,409 | 0.80 | 0.91 |
| Dec 2013 | \$14,003 | \$8,214 | \$8,389 | 0.59 | 0.98 | \$39,400 | \$28,505 | \$30,798 | 0.72 | 0.93 |
| Jan 2014 | \$12,919 | \$6,382 | \$6,795 | 0.49 | 0.94 | \$52,319 | \$34,887 | \$37,593 | 0.67 | 0.93 |
| Feb 2014 | \$15,254 | \$8,750 | \$9,433 | 0.57 | 0.93 | \$67,573 | \$43,637 | \$47,026 | 0.65 | 0.93 |
| Mar 2014 | \$11,388 | | | | | | | | | |
| Apr 2014 | \$11,129 | | | | | | | | | |
| May 2014 | \$19,428 | | | | | | | | | |
| Jun 2014 | \$18,226 | | | | | | | | | |
| Jul 2014 | \$9,943 | | | | | | | | | |
| Aug 2014 | \$9,406 | | | | | | | | | |
| Sep 2014 | \$9,120 | | | | | | | | | |
| PTD | \$872,071 | \$833,126 | \$890,306 | 0.96 | 0.94 | | | | | |

Balance of Facilities

| Number | Title | Due Date | Status |
|----------|-----------------------------------|------------|----------|
| D-00A-12 | Steam Plant Construction Complete | 12/31/2012 | Complete |

The BOF will provide services and utilities to support operation of the main production facilities: PT, HLW, LAW, and LAB. As of February 2014, BOF was 61-percent complete overall, with engineering design 82-percent complete, procurement 71-percent complete, construction 80-percent complete, and startup and commissioning 14-percent complete.

Commercial grade dedication activities in support of the emergency turbine generator procurement are the primary focus for the quality, design engineering, and procurement organizations. Construction and startup efforts are focused on completion of the Glass Former Facility, construction of the Standby Diesel Generator (SDG) Facility, and turnover of the nonradioactive liquid waste disposal system from construction to startup. The foundation for the SDG facility has been placed and backfill activities are in progress.

Significant Past Accomplishments:

- Continued branch connections for underground pipe systems
- Continued meter and relay testing/calibration in BOF Switchgear Building #91
- Completed 865 linear feet of cable pulling and 44 terminations in the glass former facility

Significant Planned Actions in the Next 6 Months:

- Complete independent review of commercial grade dedication for emergency turbine generator
- Complete construction of the Glass Former Storage Facility
- Turnover the nonradioactive liquid waste disposal system from construction to startup
- Complete component testing of the low-voltage, medium-voltage, and fire detection systems for switchgear Buildings 87 and 91.

Issues:

No major issues at this time.

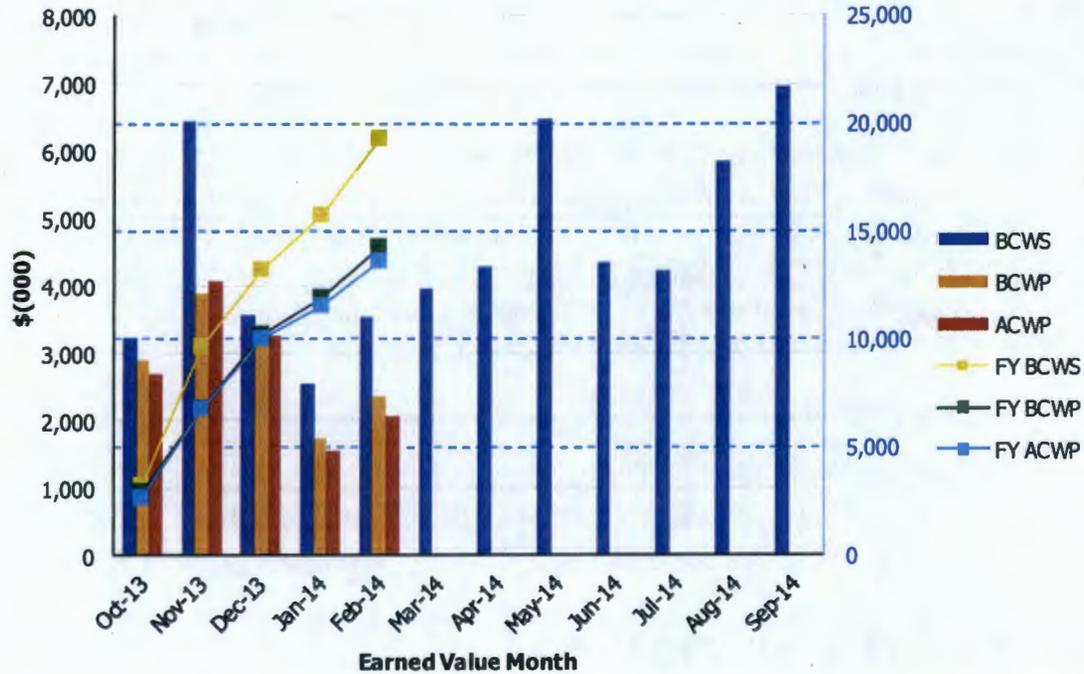
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
Balance of Facilities**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|------------------|------------------|------------------|-------------|-------------|----------|----------|----------|--------|--------|
| Oct 2013 | \$3,218 | \$2,901 | \$2,679 | 0.90 | 1.08 | \$3,218 | \$2,901 | \$2,679 | 0.90 | 1.08 |
| Nov 2013 | \$6,431 | \$3,886 | \$4,067 | 0.60 | 0.96 | \$9,649 | \$6,787 | \$6,746 | 0.70 | 1.01 |
| Dec 2013 | \$3,547 | \$3,395 | \$3,267 | 0.96 | 1.04 | \$13,196 | \$10,182 | \$10,013 | 0.77 | 1.02 |
| Jan 2014 | \$2,538 | \$1,737 | \$1,562 | 0.68 | 1.11 | \$15,734 | \$11,919 | \$11,575 | 0.76 | 1.03 |
| Feb 2014 | \$3,528 | \$2,356 | \$2,047 | 0.67 | 1.15 | \$19,262 | \$14,275 | \$13,622 | 0.74 | 1.05 |
| Mar 2014 | \$3,957 | | | | | | | | | |
| Apr 2014 | \$4,277 | | | | | | | | | |
| May 2014 | \$6,468 | | | | | | | | | |
| Jun 2014 | \$4,329 | | | | | | | | | |
| Jul 2014 | \$4,212 | | | | | | | | | |
| Aug 2014 | \$5,827 | | | | | | | | | |
| Sep 2014 | \$6,945 | | | | | | | | | |
| PTD | \$345,975 | \$331,925 | \$324,992 | 0.96 | 1.02 | | | | | |

Analytical Laboratory

| Number | Title | Due Date | Status |
|----------|---|------------|----------|
| D-00A-05 | LAB Construction Substantially Complete | 12/31/2012 | Complete |

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. As of February 2014, the LAB was 73-percent complete overall, with engineering design 81-percent complete, procurement 86-percent complete, construction 89-percent complete, and startup and commissioning 24-percent complete.

Engineering efforts are focused on supporting RLD vessel repairs and finalizing the electrical engineering portions of the LAB design. Construction efforts are focused on installation of instrument tubing and electrical commodities to support the completion of LAB construction.

Significant Past Accomplishments:

- Began fabrication and installation of the stack discharge monitoring mega-hangers
- Continued installation of penetration seals
- Installed 920 linear feet of instrument tubing, pulled 3,250 linear feet of cable and completed 1,330 terminations

Significant Planned Actions in the Next 6 Months:

- Complete fabrication of stack discharge monitoring panels
- Complete repairs to RLD vessel 164 and recertify RLD vessels 163, 164 and 165

Issues:

No major issues at this time.

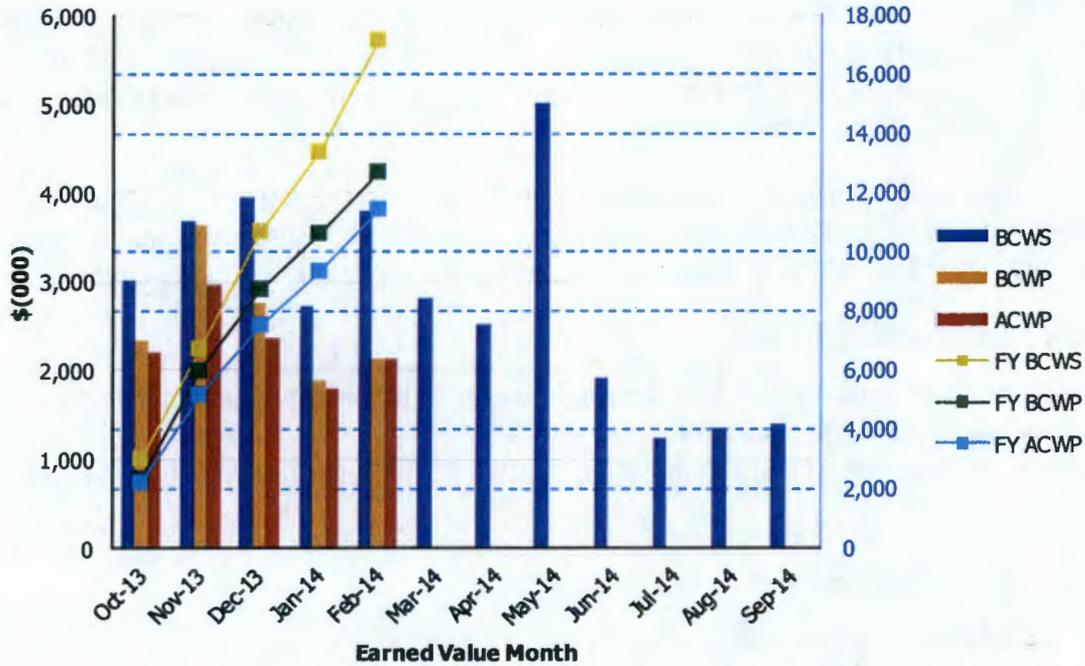
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: February 2014

**River Protection Project
Analytical Laboratory**

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|------------------|------------------|------------------|-------------|-------------|----------|----------|----------|--------|--------|
| Oct 2013 | \$3,008 | \$2,328 | \$2,196 | 0.77 | 1.06 | \$3,008 | \$2,328 | \$2,196 | 0.77 | 1.06 |
| Nov 2013 | \$3,689 | \$3,629 | \$2,959 | 0.98 | 1.23 | \$6,697 | \$5,957 | \$5,155 | 0.89 | 1.16 |
| Dec 2013 | \$3,943 | \$2,750 | \$2,350 | 0.70 | 1.17 | \$10,640 | \$8,707 | \$7,505 | 0.82 | 1.16 |
| Jan 2014 | \$2,705 | \$1,875 | \$1,788 | 0.69 | 1.05 | \$13,345 | \$10,582 | \$9,293 | 0.79 | 1.14 |
| Feb 2014 | \$3,783 | \$2,130 | \$2,126 | 0.56 | 1.00 | \$17,128 | \$12,712 | \$11,419 | 0.74 | 1.11 |
| Mar 2014 | \$2,802 | | | | | | | | | |
| Apr 2014 | \$2,501 | | | | | | | | | |
| May 2014 | \$4,999 | | | | | | | | | |
| Jun 2014 | \$1,894 | | | | | | | | | |
| Jul 2014 | \$1,234 | | | | | | | | | |
| Aug 2014 | \$1,351 | | | | | | | | | |
| Sep 2014 | \$1,381 | | | | | | | | | |
| PTD | \$254,167 | \$245,795 | \$263,923 | 0.97 | 0.93 | | | | | |

| Waste Treatment Plant Project - (LBL) Percent Complete Status Through February 2014 | | | | | | | | | | | | | | | |
|--|---|--|------------|--|--|------------|--|--|------------|--|--|------------|--|--|------------|
| (Dollars - Millions) | Overall Facility Percent Complete Unallocated Dollars | | | Design/Engineering Unallocated Dollars | | | Procurement Unallocated Dollars | | | Construction Unallocated Dollars | | | Startup & Plant Operations Unallocated Dollars | | |
| | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete |
| Facilities | | | | | | | | | | | | | | | |
| Low-Activity Waste | 1,228.5 | 833.1 | 68% | 320.7 | 258.6 | 81% | 263.1 | 229.4 | 87% | 466.6 | 334.4 | 72% | 178.0 | 10.7 | 6% |
| Analytical Lab | 335.8 | 245.8 | 73% | 72.6 | 59.0 | 81% | 55.5 | 47.9 | 86% | 138.5 | 122.6 | 89% | 69.1 | 16.3 | 24% |
| Balance of Facilities | 548.6 | 331.9 | 61% | 95.0 | 78.2 | 82% | 74.5 | 53.2 | 71% | 224.0 | 178.8 | 80% | 165.1 | 21.6 | 14% |
| Total LBL | 2,112.8 | 1,410.8 | 67% | 488.3 | 395.8 | 81% | 393.1 | 330.5 | 84% | 829.1 | 635.9 | 77% | 402.2 | 48.6 | 12% |
| PT/HLW/SS Percent Complete Status Frozen as of September 2012 (due to project rebaselining efforts) | | | | | | | | | | | | | | | |
| High-Level Waste | 1,478.6 | 922.1 | 62% | 364.4 | 325.2 | 89% | 433.9 | 349.4 | 81% | 561.1 | 243.2 | 43% | 119.2 | 4.4 | 4% |
| Pretreatment | 2,517.3 | 1,410.5 | 56% | 761.7 | 645.8 | 85% | 679.9 | 380.4 | 56% | 890.0 | 378.6 | 43% | 185.8 | 5.6 | 3% |
| Shared Services | 4,726.9 | 3,632.6 | 77% | 1,047.0 | 977.9 | 93% | 451.7 | 395.0 | 87% | 1,496.5 | 1,143.0 | 80% | 453.5 | 133.2 | 29% |
| Total HLW/PT/SS | 8,722.8 | 5,965.2 | 68% | 2,173.1 | 1,948.9 | 90% | 1,565.5 | 1,124.8 | 72% | 2,887.6 | 1,764.8 | 61% | 758.5 | 143.2 | 19% |
| Undistributed Budget | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Total WTP | 10,835.6 | 7,376.0 | 68% | 2,661.4 | 2,344.7 | 88% | 1,958.6 | 1,455.3 | 74% | 3,716.7 | 2,400.7 | 65% | 1,160.7 | 191.8 | 17% |

Source: Preliminary WTP Contract Performance Report - Form 1, Data for February 2014

Note: In September 2012, the LBL Replan was incorporated into the project OTB baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values. In October 2012, the PT/HLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PT/HLW/SS facility budgets, this was due to a work scope shift from the Distributed budget to UB. Percent Complete Values shown for PT, HLW and SS have been frozen with the September 2012 values due to the Interim Work Plan and budgets being moved into UB. UB value for the project for PT/HLW/SS is \$2,014M. The percent complete values for the Total WTP are the current total LBL BCWP added to the frozen HLW/PT/SS BCWP values.

WORKING ORP Key Documents List – April 2014

| Milestone Title | Milestone Tie | Document | TPA Milestone Due Date (if applicable) ¹ | ORP Delivery to Regulators Date ² | Anticipated Regulatory Review Completion Date ³ | Final Completion Date ⁴ | DOE-ORP Lead | Contractor Lead | Ecology Lead | Comments/Issues |
|---|--|--|---|--|--|------------------------------------|---------------|-----------------|--|--|
| ORP and Ecology will review the reports generated in M-045-22-T01, -T02, and -T03 and determine whether to continue with soil desiccation/contaminant removal testing and other interim measures (TPA MS M-045-22). | M-045-22-T01 | Submit Results of VZ Characterization of 241-TX to ECY | 09/30/14 | | | | D. Hildebrand | S. Eberlein | J. Lyon | |
| | M-045-22-T02 | Submit Results of VZ Characterization of 241-U to ECY | 04/30/14 | 02/20/14 | | | D. Hildebrand | S. Eberlein | J. Lyon | • Sent to ECY on 02/20/14 via ORP Letter 14-TF-0015. |
| | M-045-22-T03 | Submit SX Soil Desiccation/Contaminate Removal Tech Results to ECY | 07/31/14 | | | | D. Hildebrand | S. Eberlein | J. Lyon | |
| Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C | Supports M-045-61 | WMA C PA Initial Model Run Data Package | | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| | | WMA C PA Initial Document | | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| | | WMA C Characterization Summary 2013 | | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| M-045-61 | Phase 2 RFI/CMS Report for WMA C | 12/31/14 | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Reported as To Be Missed in the March 2013 TPA PMM. Discussions ongoing at the PM level. | |
| Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA C. | M-045-62 | Phase 2 Corrective Measures Implementation Work Plan for WMA C | 06/30/15 | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Reported as To Be Missed in the March 2013 TPA PMM. Discussions ongoing at the PM level. |
| CD 08-5085-FVS Appendix C | CD | Request to Forego 3 rd Technology in Tank 241-C-101 | N/A | 02/18/14 | | | C. Kemp | S. Eberlein | J. Lyon | • ORP provided this request to forego to ECY for their review on 02/18/14 via ORP Letter 14-TF-0012. |
| Submit Retrieval Data Report (RDRs) after WMA C SST Retrieval Completion Certifications | M-045-86 | RDR for SST C-104, embedded TPA milestone M-045-86C | 03/21/14 | 02/18/14 | N/A | 02/18/14 | C. Kemp | S. Eberlein | J. Lyon | • CD Retrieval Completion Certification for SST C-104 sent to ECY on 03/21/13 via ORP Letter 13-TF-0018. • Sent to ECY on 02/18/14 via ORP Letter 14-TF-0013. |
| | | RDR for SST C-109, embedded TPA milestone M-045-86G | 06/04/14 | 03/13/14 | N/A | 03/13/14 | C. Kemp | S. Eberlein | J. Lyon | • CD Retrieval Completion Certification for SST C-109 sent to ECY on 03/21/13 via ORP Letter 13-TF-0037. • Sent to ECY on 03/13/14 via ORP Letter 14-TF-0020. |
| | | RDR for SST C-110, embedded TPA milestone M-045-86H | 01/29/15 | | | | C. Kemp | S. Eberlein | J. Lyon | • CD Retrieval Completion Certification for SST C-110 sent to ECY on 01/29/14 via ORP Letter 14-TF-0007. |
| Prior to beginning construction & at least one year before construction is to be complete, DOE will submit to Ecology a final design & monitoring plan for each interim barrier. | M-045-92O | Future Barrier Design 3 | 06/30/15 | 06/30/15 | | | C. Kemp | S. Eberlein | J. Lyon | • ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/15 dependent on discussions per M-045-22. |
| | M-045-92P | Future Barrier Design 4 | 06/30/16 | 06/30/16 | | | C. Kemp | S. Eberlein | J. Lyon | • ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/16 dependent on discussions per M-045-22. |
| M-045-91 Interim Milestones and Target Dates for SST Integrity Implementing the Expert Panel's Recommendations | M-045-91G-T03 | Provide AOR Final Doc. for SSTS on 1,000,000 Gallon Tanks | 10/31/14 | 10/31/14 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91F-T04 | Provide Report on 100-Series SSTS as having Leaked in RPP-32681 | 12/26/14 | 12/26/14 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91G-T04 | Provide AOR Final Doc. for SSTS on 55,000 Gallon Tanks | 01/30/15 | 01/30/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91B-T01 | Provide Ecology report on the Concrete Core from TankA-106 or alt | 01/31/15 | 01/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91F-T02 | Provide Report of Liner Failures for SSTS | 03/31/15 | 03/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91F | Provide Summary Conclusions Report on Leak Integrity | 06/30/15 | 06/30/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91G | Provide Summary Conclusions Report of AOR for SSTS | 07/28/15 | 07/28/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91H | Submit Change Pckg (if necessary) to est. Additional Milestones | 07/31/15 | 07/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| M-045-91I | Provide IQRPE Certification of SSTS Structural Integrity | 09/30/18 | 09/30/18 | | | J. Johnson | R. Gregory | J. Lyon | | |

¹ "TPA Milestone Due Dates" are the direct regulatory drivers for completion of milestones.

² "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators. ORP Delivery to Regulators Dates may be earlier than TPA Milestone Due Dates if work is completed ahead of schedule.

³ The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.

⁴ "Final Completion Date" is entered after the document is reviewed, comments are incorporated, and any disputes are resolved. Any comment resolution issues or disputes will be noted under "Comments/Issues."

Bold red = DOE submittal within the next 90 days **Bold green = document is under initial ECY Regulatory Review** **Bold black = document under comment/review response or other actions** **Bold blue = document is completed**

WORKING ORP Key Documents List – April 2014

| Milestone Title | Milestone Tie | Document | TPA Milestone Due Date (if applicable) ¹ | ORP Delivery to Regulators Date ² | Anticipated Regulatory Review Completion Date ³ | Final Completion Date ⁴ | DOE-ORP Lead | Contractor Lead | Ecology Lead | Comments/Issues |
|--|---------------|--|---|--|--|------------------------------------|--------------|-----------------|--------------|--|
| Waste Supplemental Treatment Report | M-062-40ZZ | Submit One Time Tank Waste Supplemental Treatment Tech. Report | 10/31/14 | 10/31/14 | | | S. Pfaff | C. Burrows | D. McDonald | <ul style="list-style-type: none"> At the January 2013 TPA PMM meeting, ORP stated DOE and ECY are currently in discussions for M-062-40ZZ and M-062-45ZZ |
| Complete final design and submit RCRA Part B Permit Modification Request | M-062-31-T01 | RCRA Part B Permit Modification--Final Design | 04/30/16 | 04/30/16 | | | S. Pfaff | | D. McDonald | |

| Topic Areas | Document | ORP Delivery to Regulators Date ¹ | Anticipated Regulatory Review Completion Date ² | Final Completion Date ³ | DOE-ORP Lead | Contractor Lead | Regulator Lead | Comments/Issues |
|-----------------------------------|--|--|--|------------------------------------|---------------|-----------------|----------------|--|
| PERMIT DOCUMENTS | Tier 1 Framework Closure Plan Update | 09/30/15 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> Tier 1, 2, 3 Submittal is associated with M-045-82, due 09/30/2015. This MS was reported as To Be Missed in the March 2013 TPA PMM. Discussions ongoing at the PM level. |
| | Tier 2 WMA C Closure Plan | TBD | | | C. Kemp | S. Eberlein | J. Lyon | |
| | All Remaining Closure Plans for WMA C | 09/30/15 | | | C. Kemp | S. Eberlein | J. Lyon | |
| | WMA C Closure Conceptual Design | TBD | | | C. Kemp | S. Eberlein | J. Lyon | |
| | Tier 3 Closure Plans for Tanks Already Received | TBD | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> Due 180-day post EIS |
| | Tier 3 Closure Plans for Additional Tanks | 09/30/15 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> Several Dates in out years |
| | WMA C Closure Design | TBD | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> Final dates not yet determined; provides basis for the Tier 2 Closure Plan |
| | Supplemental Treatment Technology Notice of Construction | TBD | | | L. Huffman | | J. Lyon | |
| | Submit Part B Permit Application for Selected Supplemental Treatment Technology | TBD | | | L. Huffman | | J. Lyon | |
| | Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application | TBD | | | L. Huffman | | J. Lyon | |
| OTHER DOCUMENTS | IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC) | TBD | | | T. Fletcher | | J. Lyon | |
| | Submit Categorical TOC HIA | TBD | | | | | J. Lyon | |
| | Temporary Waste Transfer Line Management Program Plan (also known as Hose-In-Hose Transfer Lines (HIHTL) Management Plan), RPP-12711 | TBD | | | J. Vanderpol | | J. Lyon | <ul style="list-style-type: none"> To be made into a TPA Primary Document with submittal of revision 7 per a TPA Project Managers Agreement, signed 01/22/2013. |
| | Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document, RPP-9937 | TBD | | | J. Johnson | | J. Alzheimer | <ul style="list-style-type: none"> Discussions are underway for a number of revisions to this document |
| WMA Quarterly Groundwater Reports | Ongoing Quarterly | | | | D. Hildebrand | | J. Lyon | <ul style="list-style-type: none"> Ecology SST counterparts have been added to this distribution list as of March 2013 ORP continues to provide catch-up reports to Ecology SST counterparts (FY12 thru Q1 FY13) |

¹ Note: "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators.

² Note: The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.

³ Note: "Final Completion Date" is entered after the document is reviewed, comments are incorporated, and any disputes are resolved. Any comment resolution issues or disputes will be noted under "Comments/Issues."

Bold red = DOE submittal within the next 90 days **Bold green = document is under initial ECY Regulatory Review** **Bold black = document under comment/review response or other actions** **Bold blue = document is completed**