

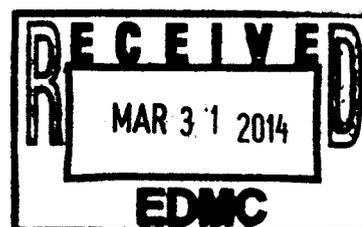
ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

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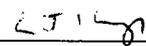
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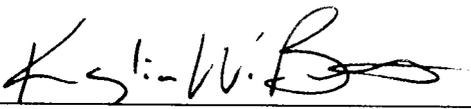
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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.



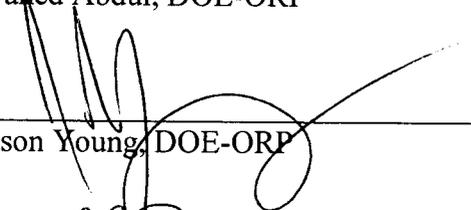
Chris Kemp, DOE-ORP

Date: 3-24-2014



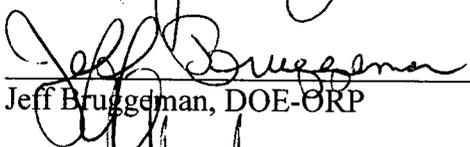
for Waked Abdul, DOE-ORP

Date: 3-25-2014



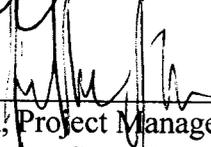
Jason Young, DOE-ORP

Date: 3/25/14



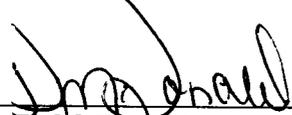
Jeff Bruggeman, DOE-ORP

Date: 3/27/14



J. Lyon, Project Manager,
Washington State Department of Ecology

Date: 3/25/14



J. D. McDonald, Project Manager,
Washington State Department of Ecology

Date: 3-25-14

Purpose: ORP Project Managers Meeting

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1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record - ORP stated that meeting minutes from the December 19, 2013 project managers meeting, which have been signed by ORP and Ecology, will be submitted to the AR. ORP referred to the three items that were recently entered into the AR (see agenda).

2.0 Agreements, Issues, Actions

The following issues and actions were updated:

Issue No. 2 - ORP noted that two meetings were held with Ecology to discuss tank AY-102.

Action No. TF-13-12-02 – ORP stated that a meeting will be scheduled with Ecology within a month to discuss the 242-A evaporator.

Action No. TF-13-05-04 – ORP reported that the Ecology Waste Treatment Plant (WTP) team was briefed in December 2013 regarding direct feed LAW (DF LAW). ORP will provide the same briefing to the Ecology tank farms team in February 2014. Ecology requested an estimate of the double-shell tank (DST) space that would be made available through DF LAW during the briefing. This action remains open.

Action No. TF-13-02-03 - ORP noted that discussions with Ecology are ongoing, and a status will be provided during today's meeting on the M-045-61/62 and M-045-82 permit discussions (see discussion under Single-Shell Tank Corrective Action). This action remains open.

Action No. TF-12-10-04 – ORP stated that retrieval in tank C-107 has been restarted, and retrieval may be completed by the end of February 2014. This action remains open.

Two new actions were established today: No. 1) *ORP will work with Ecology to finalize revision 7 to RPP-12711 for the temporary hose waste management plan. ORP will schedule a meeting with Ecology by March 1, 2014.* ORP stated that there is a concern about the schedule for the six hose segments in C farm, and indicated the possibility of requesting a deferral in the schedule. Ecology stated that through the commenting process, it was noted that deferrals beyond a year need to be justified due to Land Disposal Requirements (LDR). ORP responded that its understanding is that the LDR storage prohibition clock in 40 CFR 268.50 does not apply to the disconnected hose until it is put into a container, but that a discussion with the LDR experts would need to occur outside the

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project managers meeting. Ecology indicated that the meeting by March 1 may not happen if agreement on the LDR issue is not resolved. No. 2) *ORP will provide a status on the DSTs.* Ecology requested a status on the DSTs during the December 19, 2013 project managers meeting, and asked why the topic was not listed today for discussion. ORP stated that following the December project managers meeting, an internal discussion was needed to determine the appropriate place for the DST discussion and if the discussion is applicable. ORP asked Ecology if the preference was for a verbal status or a written status in the monthly report. Ecology stated the preference to include the topic on the agenda, and offered to send a list of items it was interested in via email. Ecology provided examples, such as upgrades to the DST system, activities in the DST farms and DF LAW. TPA and CD Milestone Status - ORP noted that in the TPA report, milestones M-047-07 and M-090-13 are at risk (see discussion under Acquisition of New Facilities). ORP stated that milestones M-045-61/62 and M-045-82 are to be missed, and there will be further discussion today on those milestones.

3.0 Review of the ORP Summary

Tank Farms

System Plan - ORP noted that the System Plan representative is preparing briefings for the upcoming Defense Nuclear Facility Safety Board (DNFSB) meeting, and asked if there were any questions or comments from Ecology. ORP noted that Ecology has drafted some scenarios and that ORP and Ecology are working on assumptions. Ecology had no comments

Acquisition of New Facilities; M-90-00; M-47-00:

ORP reported that a budget of \$520 million for tank farms has been approved, but the funding has not been received. ORP stated that once the money is received and priorities are rearranged for FY14, the status of milestones M-090-13 and M-047-07 will be evaluated. ORP added that given the discussions that are occurring with the TPA and Consent Decree milestones and schedules, M-090-13 and M-047-07 may be impacted beyond any potential funding impacts for FY14 as a result of those discussions.

Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45:

ORP stated that discussions with Ecology have occurred for over a year regarding M-062-40ZZ and M-062-45ZZ, and ORP and Ecology have reached the conclusion that it is not appropriate to arrive at a decision on supplemental treatment in the time frame of the milestones. ORP stated that it does not intend to produce a one-time tank waste supplemental treatment technologies report (40ZZ), and that Ecology has indicated that 40ZZ is not an enforceable milestone. ORP stated that milestone 45ZZ (negotiate supplemental treatment) is a milestone that will be addressed in the discussions on TPA and Consent Decree milestones as a package.

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242-A Evaporator Status – ORP noted that there is an action to schedule a meeting with Ecology next month to provide additional information on the 242-A evaporator. ORP stated that the 242-A evaporator representative was preparing to brief the DNFSB and was not present today. Ecology asked if there are estimated volume reductions for the upcoming evaporator campaigns. ORP indicated that the volume reduction is about 250,000 gallons for every campaign. Ecology asked about the number of days that are planned for operation during the campaigns. ORP will take Ecology's questions back to the 242-A evaporator representative.

M-045-91, SST Integrity Assurance:

ORP noted that the milestones continue to maintain their schedules. ORP stated that the excavation for the sidewall coring has been closed up for the winter, and the coring activities will be resumed in the early March time frame when there is no more threat of freezing.

In Tank Characterization and Summary - ORP reported that samples are being taken to support the retrievals and tank integrity for AY-102. ORP noted that the core sampling for SY-102, scheduled for April 2014, has moved to May 2014, due to slippage in the readiness reviews. ORP stated that a new core sampling platform was received, and during the operational acceptance testing (OAT) several elements were identified that needed corrections to intolerances. It was noted that the core sampling platform has a specific title, which will be provided to Ecology. Ecology asked if the new core sampling platform will be used in any of the other tanks. ORP responded that another tank is tentatively planned for this fiscal year, but the process of determining which tanks need to undergo core sampling in the future will be done before another tank is identified. Ecology asked if the core sampling platform can only be used on DSTs or if it could be used on SSTs also. Ecology noted that there are a lot of solids left in tank C-112. ORP responded that the core sampling platform could be used on SSTs, and if sampling is done in C-112 there may be a potential to use the core sampling platform or the off-riser sampling system. ORP added that discussions with Ecology would be needed to determine the right method to get the number of samples.

Ecology asked if the solids have been sampled in AY-102. ORP responded that samples were taken from the solids that were obtained off the crawler that was placed in the leak detection pit. ORP stated that a detailed sample analysis was done, but it was a minimal amount of material to sample. Ecology requested a copy of the final sample analysis report, and ORP agreed to send Ecology a copy.

Tank Operations Contract (TOC) Overview - ORP noted that the contract-to-date has maintained an SPI and a CPI of 1.0. Under base operations, Ecology asked about the wall scrubbing, which was one of the activities contributing to the current month unfavorable schedule variance. ORP responded that the wall needs to be scrubbed first so the UT

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scanner can maintain adherence to the wall while it's taking measurements. Ecology noted that the UT scanner is inside the annulus space, and asked how the weather affected the activity. ORP responded that the issue was associated with the mechanism, which is located above the tank, that was used to lower the crawler into the annulus. Ecology inquired about the transfer of spare parts under base ops current month favorable cost variance. ORP responded that the spare parts were purchased by base ops and were not needed, and were then transferred to retrieval and closure. Retrieval and closure paid for the spare parts, which created the positive cost variance. Ecology asked about the details on the spare parts. ORP stated that they were cameras and lights.

Ecology asked if the cost reported under retrieve and close SSTs was the total cost for retrieval and closure operations. ORP responded that the cost reflects retrieval and closure operations for C Farm currently, and the base ops cost report would include SSTs and the DSTs in the other non-retrieved farms. Ecology asked if the Consent Decree retrieval cost is included under retrieve and close SSTs. ORP stated that it is included under retrieve and close.

Ecology requested more information regarding the Direct Feed High Level Waste initiative, the DST space management and in-tank treatment studies, and the technology development work scope, which are reported under the Waste Feed Delivery reporting. ORP took an action to set up a meeting with Ecology to provide more information on the topics.

Under supplemental treatment reporting, a correction was noted on the current month favorable schedule variance. The schedule variance should read \$261K instead of \$261. Ecology asked about the favorable schedule variance versus unfavorable cost variance for the scope redirection on the TRU work scope. ORP stated that the cost for the schedule was reduced significantly. ORP noted that the current effort is limited to the classification of tanks T-200 610 and 611. ORP stated that additional work was planned and the scope was cut back due to funding issues. ORP stated that a follow-on report is being completed after a request for information (RFI) was put out, and the report will include what options are available for retrieval and treatment. ORP noted that the report will not include a decision on a particular option, and that the report is due within two months. Ecology asked if the report would be released. ORP stated that it has not seen the report, and it is not known if it will be released. ORP added that there will be publicly released information on the technologies that are available on a broad base.

Ecology asked if ORP is planning to do any investigations or evaluations of T-111 since the tank is actively leaking. ORP responded that currently, beyond the ultimate disposition through the contact-handled TRU work scope, there are no active plans to address T-111. Ecology asked if there would be no evaluation for drying or pumping of liquids. ORP responded that there are no formal evaluations planned. ORP referred to the above-mentioned RFI that would lead to a request for proposal (RFP), stating that WRPS is not funded or actively working on an RFP. ORP noted that there have been

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general discussions about setting up equipment for a ventilation system or drying if funding became available. Ecology stated its position that it is not in favor of the TRU work scope, and will continue to remind ORP of its position.

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

M-045-22-TO1 - ORP reported that the field work for the TX vadose zone characterization will be completed by the end of March 2014, and briefings with Ecology will be scheduled through that time period. ORP stated that the final report with the sampling results is on schedule for submittal by September 30, 2014.

M-045-22-TO2 - ORP stated that the U Farm vadose zone characterization is on schedule and the report is about to be released. ORP noted that the report will be shared with Ecology prior to submittal.

M-045-22-TO3 - ORP noted that the SX soil desiccation studies are on schedule for submittal to Ecology.

M-045-61/M-045-62 - ORP reported that meetings have been held with Ecology and WRPS to discuss how the submittal for milestones -61/-62 and M-045-82 will fit together with the upcoming permit. ORP stated that another follow-on meeting is scheduled with Ecology tomorrow. ORP noted that Ecology had requested a copy of the draft change package, and a draft change package, without dates but with TBDs, will be provided during the meeting scheduled this Thursday.

TPA-SST Retrieval and Closure Program:

Significant Planned Activities in the Next Six Months - ORP reported that the retrieval data report (RDR) for C-104 will be transmitted by tomorrow (1/29/14) to Ecology for review and comment. ORP stated that work is under way to draft the C-110 RDR.

ORP stated that it believes C-112 has reached the limit of caustic dissolution, and hot water is being deployed in an effort to retrieve anything more from the tank. ORP indicated that the estimated volume in C-112 is about 2,000 cubic feet. ORP stated that C-107 is restarting retrieval after the failed slurry pump has been replaced. The Mobile Arm Retrieval Sluicing System (MARS-S) is being deployed in C-107. ORP stated that when C-112 completes its limit of technology for the first and second retrieval technologies, the team will move to X, Y, Z shift in C-107.

Issues - ORP stated that a status meeting for the WMA-C performance assessment (PA) will be scheduled with Ecology for the second week in March 2014, and the ORP EIS subject matter expert will attend. ORP noted that the NRC will attend via telephone. Ecology asked about funding for the WMA-C PA. ORP stated that the WMA-C PA is fully funded for this fiscal year, and there is work ongoing with the data packages and setting up the models per the agreed-upon sensitivity cases.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP reported that the risk table and the groundwater reports for the C-105 TWRWP have been updated. Ecology referred to ORP's approach regarding completion of the two retrievals in C-112 and the decision

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process for taking the next steps, and asked to be involved early in the decision process before ORP makes a final decision on C-112. ORP suggested a discussion on C-112 during the meeting that is scheduled for February 11, 2014. Ecology agreed to meet on February 11, stating that its interest is geared towards hearing what options ORP is considering, what the pros and cons are, and gaining a better understanding of ORP's process for making a decision to stop retrieval or go to a third technology. Ecology indicated that the intent is not to discuss the end of second retrieval, and that ORP and WRPS will have the data to make that decision. ORP encouraged Ecology to meet with the specific tank retrieval representatives for discussion. ORP stated that Ecology requested a lessons learned discussion on retrieval technologies, which will be part of the February 11 meeting discussion. ORP noted that a formal end of retrieval limit of technology for C-112 will be scheduled with Ecology as a separate meeting.

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) - No change in status.

CD-SST Retrieval and Closure:

D-00B-01A-J - ORP stated that the C-110 tank retrieval completion certification is in concurrence. ORP noted that Ecology reviewed a draft and provided comments and improvements to the report.

TWRWP Status - ORP noted that the C-105 TWRWP has been updated (see TPA TWRWP status).

Waste Treatment Plant

ORP reported that a full year funding profile has been approved, although the money has not yet been received. ORP stated that another positive aspect is the reprogramming of the control points was included in the funding, and the split in funding is consistent with WTP's needs. ORP added that the split is \$180 million for PT and \$510 for the remaining WTP facilities. ORP noted that there were also carry-over funds into FY14.

ORP stated that Bechtel is attempting to ramp up the non-manual, and craft to some extent, to support LAW, BOF and LAB (LBL). There has been some attrition, resulting in less progress with ramp-up than intended. ORP stated that the overall project for LBL has a positive cost and schedule variance, although the LBL baseline will become less consistent going forward and there will be some negative performance variances over the year.

Significant Past Accomplishments - ORP reported that the HLW design and operability review was completed and a report is being drafted. The plan is to release the report to Ecology by early March 2014.

Significant Planned Actions in the Next 6 Months - ORP stated that efforts continue to put the documentation together relative to the decision to resume design, procurement and construction in HLW. ORP indicated that there are several individual actions that are

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behind schedule in terms of deliverables, so the initial decision may not release very many activities. ORP noted that Ecology was provided a briefing on the status of the deliverables. ORP stated that the reliability validation process (RVP) reviews are being finalized. The last chapter of phase 2 and the extent of condition (evaluation of all RVP results) are currently being drafted. ORP noted that it reviewed a draft, which was not deemed acceptable, and ORP is working with Bechtel to finalize the RVP. Ecology noted that ORP still owes it a briefing on the RVP. ORP responded that the briefing to Ecology is actively being worked. ORP stated that when the weld repairs to the third vessel (RLD-164) are completed in LAB, there will be one test for all the weld repairs set up instead of doing two different tests. Ecology concurred with the approach to do one test. ORP indicated that completion of the weld repairs and testing is still on schedule for April 2014.

Pretreatment (PT) Facility

ORP stated that construction and engineering work continue to be on hold until the technical issues are resolved, or at least sufficiently understood. Ecology asked if ORP anticipates that the \$180 million for PT this year will be sufficient to cover all the work. ORP responded that the funding is expected to support the testing that is planned, as well as other work. ORP stated that the plan is to turn the focus from HLW to PT in the February-March 2014 time frame, and towards the end of the year, some of the plans should be coming together in terms of schedules and dates for PT technical issues resolution. Ecology asked about the timing for the PT design review. ORP responded that the HLW design review teams have slowed, delaying the launch of the PT design review by about a month, but the PT design review is being started up.

Ecology noted that a LAW design review is also planned. ORP stated that a similar type of design review will be done for LAW, and a team is being assembled with the intent to kick off by the end of February 2014. Ecology stated that the permitting team is interested to know if there are currently any suspected issues with LAW. ORP responded that the design review is considered a prudent action and is not being done because there is a specific area of weakness that has been identified. ORP indicated that additional areas will probably be added to the design review that are further along in LAW than in HLW and PT, such as instrumentation control activities. ORP stated that the intent will be to obtain a screening of the operational systems relative to potential concerns and perspectives that haven't been factored in. ORP noted that a briefing with Ecology is planned on the design review.

Ecology stated that the results of the HLW design review were excellent, but the scope of potential issues has the team questioning what permitting can and cannot be done. Ecology noted that packages and PCNs are coming in now, and the team is not comfortable processing those packages without knowing where ORP is with the LAW design review. ORP responded that both Bechtel and ORP will be looking at the results and drawing perspectives from the thousands of individual sheets that have been developed for the

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HLW report. Ecology asked if it would be reasonable to continue to remain cautious about the packages that Bechtel is sending over. ORP concurred, adding that its engineers are reviewing and screening all the permit modifications to ensure they are satisfied with the permit mods. ORP suggested scheduling meetings in about three months to discuss the permitting process. Ecology agreed that starting up permitting meetings would be appropriate.

ORP stated that Bechtel was directed to provide a quality declaration, at the corporate level, as to the quality of the design and materials in LBL, but specifically for LAW.

High Level Waste

ORP stated that basic civil construction continues in HLW, and the technical teams continue to review all the technical issues as they apply to HLW in the effort to move forward with engineering and construction. Ecology stated that it received a copy of the HLW design review, and a listing of all the issues has been made. Ecology indicated that when the design review report is released, the listing will be compared with the report to see if the issues still remain. Ecology stated that the intent is to provide a better understanding about how to proceed with permitting.

Significant Past Accomplishments – ORP reported that Bechtel continues to work on developing the safety design strategy (SDS). ORP noted that the schedule for issuing the SDS has slipped to February 24, 2014, and will probably slip another week. ORP stated that the focus is to ensure that the SDS is a high quality document as well as a reasonable schedule, and the SDS will provide a high-level path to the licensing strategy from the safety perspective.

Significant Planned Actions in the Next 6 Months – ORP stated that the RVP will be completed, which will be the last chapter (13) that summarizes the results. ORP noted that Bechtel will be submitting an extent of condition as part of the integrated Level 1 findings. The extent of condition will provide conclusions from the Level 1 findings in terms of further evaluating other systems that have not been reviewed and what's been done to date and how to confirm the issues are mitigated on a timely basis. ORP stated that it accepted Bechtel's corrective action plan that was developed in response to the integrated Level 1 findings, but the plan will be updated based on the results from the RVP. Ecology asked if the decision had been made to look at the rest of the HLW systems. ORP responded that the belief is it needs to be done, but the decision has not been made as to whether Bechtel will be tasked with or whether ORP will do it.

Ecology noted that there are a variety of Level 1 findings and numerous other issues that are coming from many different directions, and suggested that a type of clearinghouse where all the issues are located would be helpful. ORP agreed that it would be helpful, and that there is not an established clearinghouse. ORP added that the documentation basis for the decision to proceed in HLW would establish the first step in providing all the issues, corrective actions and activities in one place. ORP noted that in the last Level 1 findings that were issued, one of the key elements of the QA corrective actions was to

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develop a managed improvement plan (MIP), which will be a high-level summary of how all the corrective actions will result in improvement over the next two years. ORP indicated that when the MIP is issued, it will provide the best road map in terms of all the pieces and how they will be used collectively to drive performance forward.

Ecology referred to the HLW design review issues, FMECA, criticality and other issues, and asked if what ORP is describing with the MIP could be a venue to pull together all the management process issues and engineering product issues. ORP responded that the MIP will not address the technical issues, but will focus on the management process, QA, and how to upgrade performance. ORP stated that the technical issue pathways will be addressed via the evaluation for the HLW decision to proceed. ORP added that the plans and time lines to deal with the technical issues will be developed by the design completion team over the next six to eight months for PT that will provide a clearer picture of the issues Ecology referred to.

Ecology reiterated the need for a clearinghouse where all the parties can go to be assured that everything is being dealt with, and to ensure that all the pieces that need to connect are linked. ORP stated that the phased strategy of focusing on HLW and getting it blocked out in terms of process performance and technical issues, and then focusing on PT, fundamentally addresses Ecology's concern. ORP noted that LBL is not impacted by most of the issues that HLW and PT have, and the design review will address the performance issues in LBL.

Ecology asked ORP to consider that if PCNs and packages come over that are not on the HLW design review, Ecology will question whether those PCNs and packages are affected by issues as well. ORP acknowledged Ecology's statement, adding that the authorization to proceed in HLW is not anticipated to be a major ramp-up in activities in terms of design work and completing more system designs. Ecology asked if the conditional authorization to proceed won't be for a while yet. ORP responded that there will be conditional authorization to proceed, and the question will be what to proceed with and how much. ORP stated that the anticipation is that the conditional authorization will start on a small scale and get bigger over time. ORP added that it is expected that most of the engineering efforts will be associated with technical issue resolution and design issues, not with full production engineering or putting designs together to support permit applications. ORP noted that there may be a few items to focus on more in the beginning, such as the RLD vessel design reconfiguration. ORP stated that the basis of the conditional authorization will be laid out so it's defensible and provides the logic for the path forward.

Low Activity Waste Facility (LAW)

Significant Past Accomplishments - ORP noted that the long-lead procurement for the thermal catalytic oxidizer (TCO) was initiated. Ecology asked if the schedule for the TCO is still on track for January 2015. ORP responded that the dates haven't changed and there haven't been any issues that would cause a delay, although the schedule does pose a

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challenge. ORP stated that an evaluation is being done to determine whether the TCO can be brought in over the top through the hatchway at the 48-foot level. The Oregon Department of Energy (ODOE) inquired about the status of the milestones that are ongoing, but there is a risk of missing the due dates. ORP responded that discussions are ongoing regarding the milestones, and there was no more information to impart. (Note: there was discussion under PT regarding LAW design review).

Balance of Facilities (BOF)

ORP stated that the main activities in BOF are focused on the glass former facility and the standby diesel generator (SDG). ORP noted that the SDG is the non-emergency diesel generator, not the emergency turbine generator (ETG). ORP stated that activities for the commercial grade dedication (CGD) to support the ETG are under way, and an independent review team will be brought in to evaluate Bechtel's process and system. ORP noted that its QA and project lead have concerns with the quality of the process that Bechtel is using, and the independent team will provide confirmation that the process is robust enough or that there is a need to bolster or change Bechtel's process. ORP stated that there are not a lot of experts in the CGD field and they are sought after, and contracting efforts are under way to bring the experts in during the March 2014 time frame. ORP added that major progress forward will not be made with the ETG until after the CGD experts have completed their review.

Analytical Laboratory (LAB)

ORP reported that weld repairs have been completed to two of the three RLD vessels. RLD vessel 164 is the last vessel to be repaired, and it is more difficult to repair due to its harder steel alloy. ORP stated that two crews are working on the vessel, and the last schedule provided for completing the repairs is being maintained. Ecology initiated a discussion regarding a CDR that was received for RLD-164, where a supervisor used a grinder to cut through one of the old welds. Ecology stated that the CDR indicated that the issue was addressed and that new procedures were established. Ecology stated the purpose of discussing the CDR is to ensure it was a one-time occurrence and that the ORP project lead is aware of the situation. ORP responded that it will follow-up with Ecology's concern. Ecology asked about the schedule for testing the RLD vessel welds. ORP responded that the testing is still on schedule for April 2014. It was noted that the strategy for testing the vessels was changed to include both vessels at the same time.

4.0 Key Documents List

An updated ORP key documents list was provided.

ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Upcoming Meetings

The dry run for the February 2014 ORP TPA quarterly meeting is tentatively scheduled for Tuesday, February 18, 2014 in ORP room 1600 from 9:00 AM to 11:00 AM.

The February 2014 ORP TPA quarterly/IAMIT meeting is tentatively scheduled for Thursday, February 20, 2014 in Ecology room 3A/B from 8:30 AM to 11:00 AM.

ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
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Attachment A: Agenda, AR List, Agreement, Issues and Actions

(5 pages including this cover sheet)

ORP TPA January 2014 Project Managers' Monthly Meeting
Tuesday, January 28, 2014
2440 Stevens Center Richland, Washington
Room 1600, 9:00AM-11:30AM

AGENDA

1.0 Administrative Items

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
December 2013 TPA Monthly Summary Report	All	1222593
December 2013 CD Monthly Summary Report	All	1222594
Meeting Notes for Milestones Related to WMA C Closure, dated 11/21/2013	M-045-61, M-045-62, and M-045-82	1222721

2.0 Agreements, Issues, Actions (review before and after ORP Project Summary Presentations)

3.0 Review of the ORP Project Summary

4.0 Key Documents List

Upcoming Meetings

- The Dry-Run for the February 2014 ORP TPA Quarterly Meeting is tentatively scheduled for Tuesday, February 18, 2014 in ORP Room 1600 from 9:00AM-11:30AM.
- The February 2014 ORP TPA Quarterly/IAMIT Meeting is tentatively scheduled for Thursday, February 20, 2014 in Ecology Room 3A/B from 8:30AM-11:00AM.

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – January 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 and 01/22/2014 to discuss the draft pumping plan (RPP-PLAN-55220) that was submitted to ECY via ORP letter 13-TF-0049 on 06/14/2013.
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>
4. Ecology TPA Project Managers expressed concerns with a line item in the ORP FY2014 budget request for planning for the direct-feed of the WTP Law Facility, and why there has been no discussion with Ecology prior to this being included in the budget request. The ORP and Ecology TPA PMs have agreed to raise this issue to their respective management for discussion/resolution.

Tank Farms Actions

#	Action ID	Date Initiated	Action	Action Status	Updates / Needs for Closure	Actionee(s)	Date Closed
1	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 invites to future meetings.	Open.		Jeff Lyon / Dan McDonald	
2	TF-13-12-02	12/19/13	ECY has requested additional information on the operational and maintenance plans for the 242-A evaporator.	Open.		Ron Koll	

Tank Farms Actions

#	Action ID	Date Initiated	Action	Action Status	Updates / Needs for Closure	Actionee(s)	Date Closed
3	TF-13-05-04	05/16/13	ORP will set up additional meetings with ECY to discuss direct feed LAW and TF support (with TF/WTP Integration POCs).	Open.	A meeting was held for Direct Feed LAW on 12/17/13. Additional system level meetings are tentatively planned for the March 2014 timeframe.	Tom Fletcher / Steve Pfaff	
4	TF-13-04-01	04/23/13	ECY would like to gain a better understanding of the tank mixing and sampling for implementation of DNFSB 2010-2.	Open.	ORP will share the DNFSB 2010-2 response/plan when it is finalized/transmitted.	Isabelle Wheeler / Wendell Rezinski	
5	TF-13-03-04	03/26/13	ECY will review the draft TPA Chg Pckg for M-062-40ZZ and M-062-45ZZ (regarding work on the one-time Supplemental Treatment Technologies Report) provided by ORP and will provide any comments before the Parties agree to finalize any changes.	Closed.	Ecology does not want this report and DOE does not intend to produce this report. To be discussed at a higher level.	Steve Pfaff	12/19/13
6	TF-13-02-03	02/21/13	ECY would like to meet with ORP to discuss work on the WMA C PA and other options for M-045-61/-62. Initial talks were held on 03/14/13, 05/13/13, 05/16/13, and 06/20/13.	Open.	A meeting was held on 10/28/13 and included some discussion on M-045-82. Further meetings are being planned for January 2014.	Chris Kemp / Susan Eberlein / Jared Mathey	
7	TF-12-10-04	10/16/12	ECY would like to discuss C-107 and considerations for Tc-99 concerns with tank residuals and technology selection.	Open.	On hold until after C-107 RDR sampling has occurred.	Chris Kemp	
8	TF-12-09-02	09/25/12	ECY PMs would like to set up a meeting with ORP PMs to define the purpose and scope of the PMM meetings (roles, responsibilities, objectives). This meeting was held on 11/13/12.	Open.	ECY will review these results for discussion at a follow-up overall ORP/ECY Comms Improvements meeting.	Jeff Lyon	

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.		Gary Olsen	

ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment B: List of Attendees

(2 pages including this coversheet)

Sign In Sheet
ORP TPA Project Managers' Monthly Meeting
January 28, 2014

NAME	ORG	PHONE
Jeremy Johnson	ORP	376 1866
Steve Pluff	ORP	376 2183
Stacey Simon	ODOE	(541) 9103-0853
Chris Kemp	ORP	504-373-0649
Ellen Mattlin	ORP	376-1900
Jeff Lyon	WA Ecology	534-1996
Billie Mann	ORP	373-5113
Dan McDonald	Ecology	372-7988
Kathy Higgins	ORP	376-3658
Jon Grundstaff	ORP	376-6700
Susan Eberlein	WRPS	372-1689
JARED MATHEW	Ecology	372-7949
JEFF LUKO	WRPS	
Nancy Uremble	Ecology	3727928
Mike Barnes	Ecology	372-7927
Chris Harrington	ORP	376-1239
Ruth Knox	Knox Court Reporting	946-5535
Detmar Noyes	ORP	376-5166
Barry Curn	WTP-BNI	371-2791
James Lynch	DOE-ORP	376-4170

ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment C: Presentation Materials

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

And

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

And

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

(43 pages including this coversheet)

FINAL

Office of River Protection
Tri-Party Agreement
Monthly Summary Report
January 2014



**Office of River Protection
Tri-Party Agreement Milestone Review
January 2014 (Monthly Summary Report/Project Earned Value Management System reflects
November 2013 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	Single-Shell Tank Integrity Assurance; M-045-91	Jeremy Johnson/ Jim Alzheimer
7	In Tank Characterization and Summary	Billie Mauss/Michael Barnes
9	Tank Operations Contract Overview	Kathy Higgins/Jeff Lyon
14	Single-Shell Tank Corrective Action; M-045-22, M-045-50 series, M-045-60 series, and M-045-92	Chris Kemp/Jeff Lyon
15	Single-Shell Retrieval and Closure Program Tri-Party Agreement (TPA) Milestones Status; M-045-00 series	Chris Kemp/Jeff Lyon
17	Tank Waste Retrieval Work Plan Status	Chris Kemp/Jeff Lyon
18	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

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		On Schedule
M-045-86C	Submit Retrieval Data Report to Ecology for C-104	03/21/2014		On Schedule
M-045-22-T02	Submit Results of Vadose Zone Characterization of 241-U to Ecology	04/30/2014		On Schedule
M-045-86F	Submit Retrieval Data Report to Ecology for C-108	05/01/2014		On Schedule
M-045-86G	Submit Retrieval Data Report to Ecology for C-109	06/04/2014		On Schedule
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-045-91G-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
M-045-92O	Barrier 3 Design/Monitoring Approval From Ecology	06/30/2015		On Schedule

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2015 Continued				
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
 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:

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. Ecology has defined five scenarios to be analyzed in System Plan 7. Washington River Protection Solutions LLC 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.

Significant Planned Actions in the Next 6 Months:

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

- Complete detailed review of 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 CD-1 for Interim Hanford Storage Project and Tri-Party Agreement (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 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 Low-Activity Waste 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 April 2014. Requires two passes to achieve waste volume reduction.
FY 2014	14-01	AW-106	AP-107	Estimated start late May 2014.
FY 2014	14-02	AZ-102	AP-103	Estimated start August 2014.
FY 2015	15-01	AW-106	AP-103	Estimated start October 2014.
FY 2015	15-02	AZ-102	AP-103	Estimated start March 2015.

FY = fiscal year.

NA = not applicable.

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, Revision 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:

None.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

None.

In Tank Characterization and Summary

For the period from December 1 through December 31, 2013:

Accomplishments:

- Completed RPP-RPT-43992, *Derivation of Best Basis Inventory for Tank 241-AN-106 as of October 17, 2013*, Rev. 10.
- Completed RPP-RPT-49876, *Derivation of Best Basis Inventory for Tank 241-C-110 as of October 17, 2013*, Rev. 1.
- Completed RPP-RPT-48745, *Derivation of Best Basis Inventory for Tank 241-C-107 as of October 1, 2013*, Rev. 5.
- Completed RPP-RPT-54440, *Derivation of Best Basis Inventory for Tank 241-C-101 as of October 1, 2013*, Rev. 3.
- Completed RPP-RPT-48103, *Derivation of Best Basis Inventory for Tank 241-AP-107 as of October 1, 2013*, Rev. 2.
- Completed RPP-RPT-46792, *Derivation of Best Basis Inventory for Tank 241-AW-102 as of October 1, 2013*, Rev. 5.
- Completed RPP-RPT-51343, *Derivation of Best Basis Inventory for Tank 241-C-109 as of October 1, 2013*, Rev. 3.
- Completed RPP-RPT-44814, *Derivation of Best Basis Inventory for Tank 241-AN-101 as of October 1, 2013*, Rev. 13.
- Completed RPP-RPT-48639, *Derivation of Best Basis Inventory for Tank 241-AP-104 as of October 1, 2013*, Rev. 7.
- Completed RPP-RPT-45764, *Derivation of Best Basis Inventory for Tank 241-AN-102 as of October 1, 2013*, Rev. 3.
- Completed RPP-RPT-56245, *Specifying Methodologies Used in the Means and Confidence Interval Tables in the 2009 Auto-TCRs*, Rev. 0.
- Completed RPP-PLAN-56497, *Sampling and Analysis Plan for Solids on the 241-AY-102A Leak-Detection Pit Robotic Pipe Crawler, Attached Cabling and Sleeve*, Rev. 0.
- Completed sampling of the 241-AZ-102 Leak Detector Pit. Two samples (one sample and one field blank) were collected and delivered to the lab on December 12, 2013.
- Completed sampling of the tank 241-C-112 during caustic pre-conditioning. Two samples were collected and delivered to the lab on December 3, 2013.
- RPP-RPT-56517, Rev. 0, *Final Report for Tank 241-AY102A Leak Detection Pit Liquid Grab Samples, November 2013* was released on December 23, 2013.

Planned Action within the next 6 Months:

Tank sampling:

- Tank 241-C-112 grab sampling during hard heel dissolution will continue into January and possibly February.
- 241-AZ-102A leak detection pit grab sampling is currently scheduled for January 2014 and approximately monthly thereafter. Actual sampling date will depend on the rate of the level rise in the pit.
- Tank 241-AN-106 grab sampling for chemistry control is currently scheduled for January 2014.
- Tank 241-AZ-102 grab sampling for evaporator campaign is currently scheduled for March 2014
- Tank 241-C-107 Off-Riser Sampling System/Drag Sampler sampling is currently scheduled for March 2014
- Tank 241-SY-102 core sampling for chemistry control and strategic planning is currently scheduled for April 2014
- Tank 241-C-111 grab sampling during hard heel dissolution is currently scheduled to start in May 2014.

Best-Basis Inventory updates:

The tanks identified for updates in FY14 Quarter 2 are still being finalized. The BBI updates will be issued through-out the quarter.

Data quality objectives:

- A revision to the tank farms Chemistry Control Program Data Quality Objective is due to be released in January 2014.
- A data quality objective on process sampling during caustic dissolution of tank 241-C-111 is due to be released in January 2013.

Issues:

None.

TANK OPERATIONS CONTRACT OVERVIEW

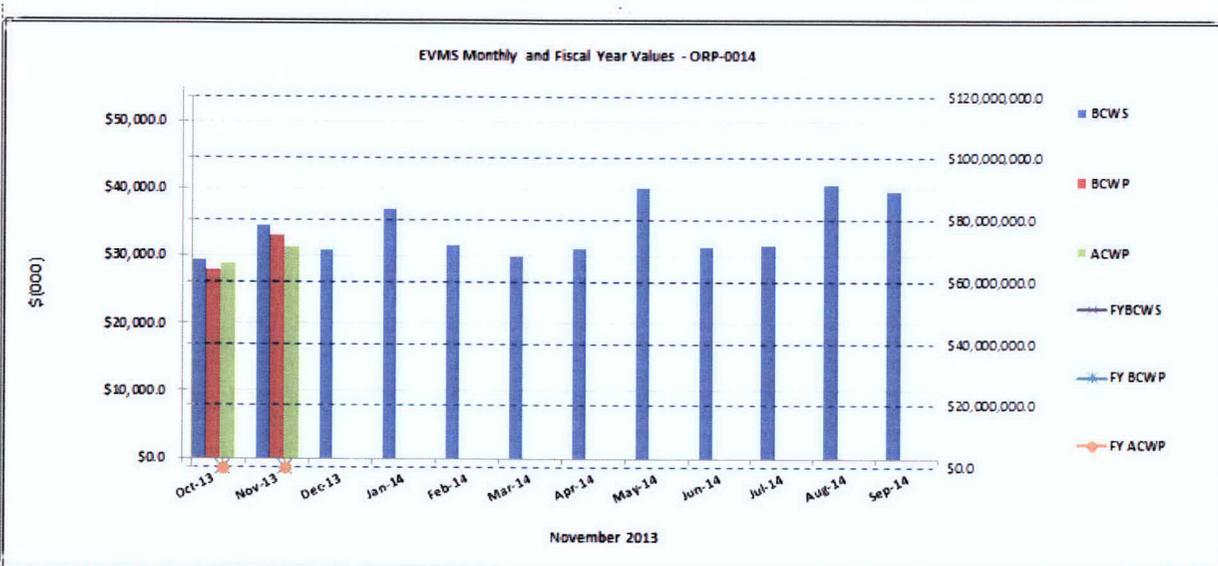
Project Performance

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.

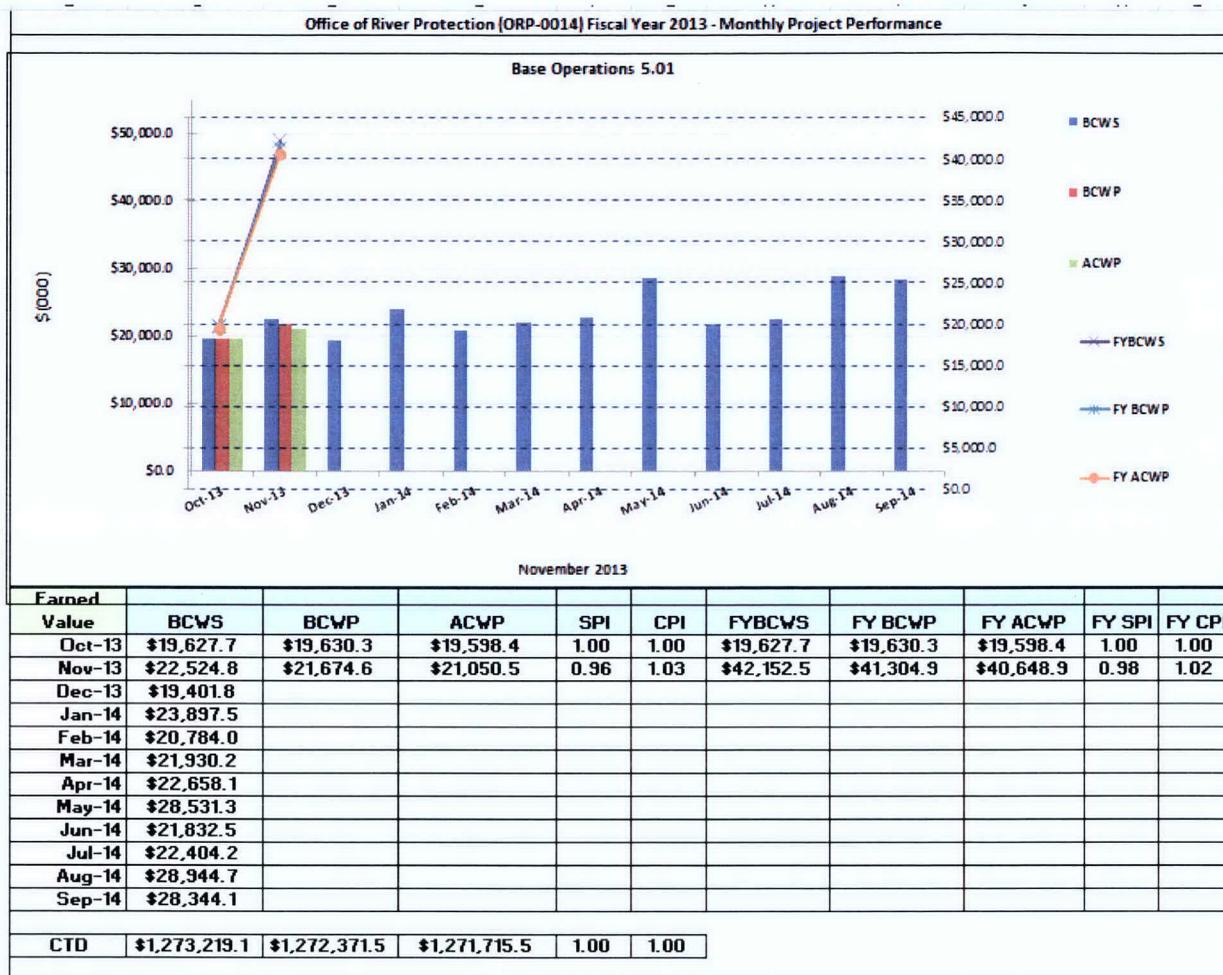
As of November 30, 2013, Washington River Protection Solutions LLC the Tank Operations Contractor has worked 199 days without a lost time workday injury and 59 days since the last recordable case. There was one recordable case in the month of October.

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	34,534.6	33,081.0	31,448.0	(1,453.6)	1,633.0	0.96	1.05			
FYTD	64,008.7	61,026.9	60,462.6	(2,981.8)	564.3	0.95	1.01	419,011.2	366,598.2	52,413.0
CTD	1,955,752.6	1,952,770.7	1,952,206.0	(2,981.9)	564.7	1.00	1.00	3,276,035.4	3,200,610.9	75,424.5

Red shaded cells indicates a SPI/CPI less than .90;
 Green shaded cells indicate a SPI/CPI between .90 and .99 and
 Blue shaded indicates a SPI/CPI greater than or equal to 1.0



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	\$30,833.4									
Jan-14	\$37,014.8									
Feb-14	\$31,514.2									
Mar-14	\$29,811.3									
Apr-14	\$31,014.5									
May-14	\$40,098.5									
Jun-14	\$31,363.1									
Jul-14	\$31,603.0									
Aug-14	\$40,615.9									
Sep-14	\$39,535.8									
CTD	\$1,955,753.0	\$1,952,771.0	\$1,952,206.0	1.00	1.00					



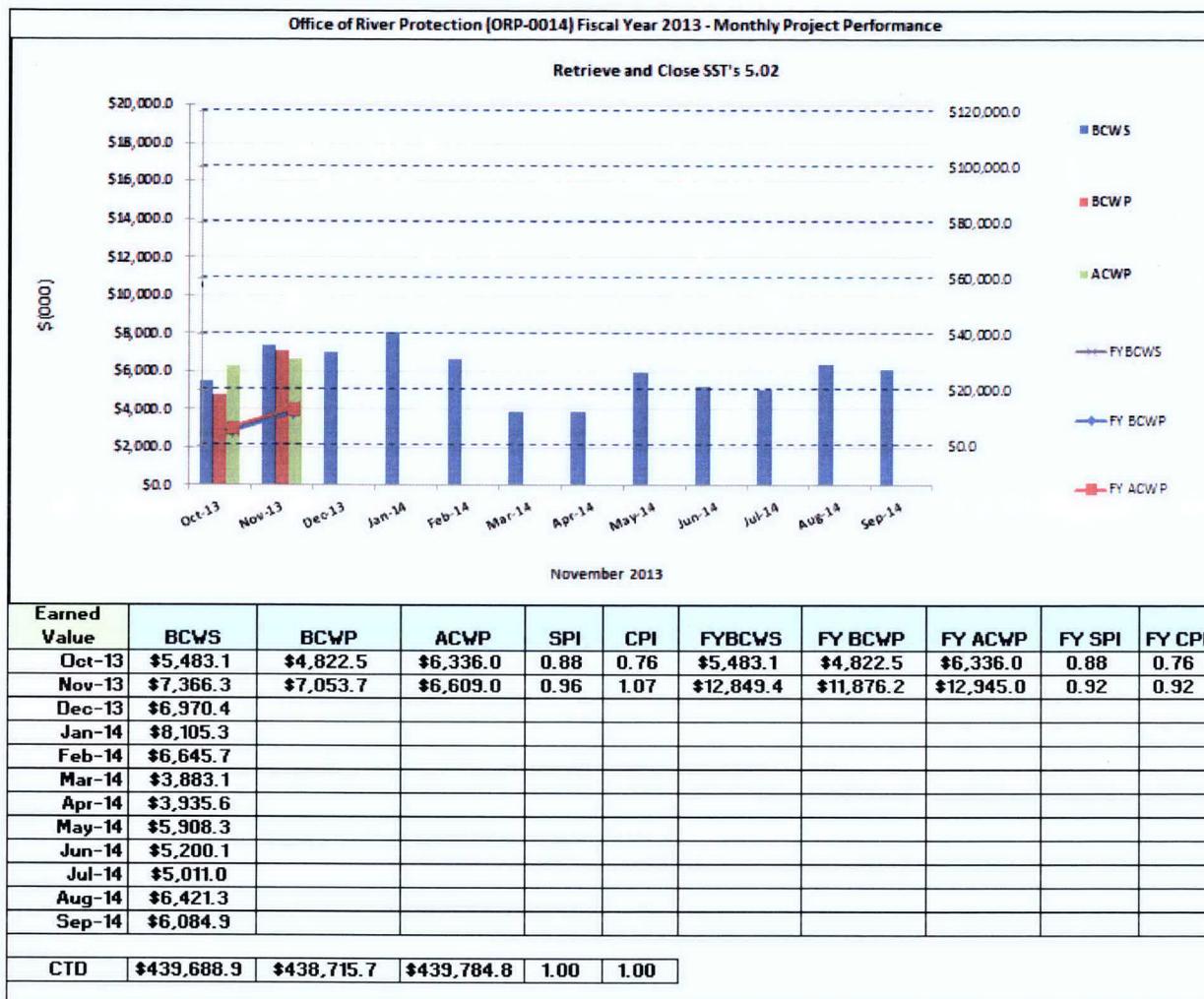
Base Operations and Tank Farm Projects

The current month unfavorable schedule variance of negative (\$850K) is primarily due to:

- Delays in new equipment orders at the 222-S laboratory.
- DST Tank Integrity work scope to perform wall scrubbing and UT scans at DST AP-104 due to weather.
- Delay for the Tank Farms Automation Upgrade procurements due to funding limitations.

The current month favorable cost variance of \$624K is primarily due to:

- Fewer resources used then planned for the AY-102 Robotic deployment/inspection.
- Base Operations spare parts transferred to Retrieval and Closure spare parts.



Retrieval and Close Single-Shell Tanks

Schedule Variance of (\$313K):

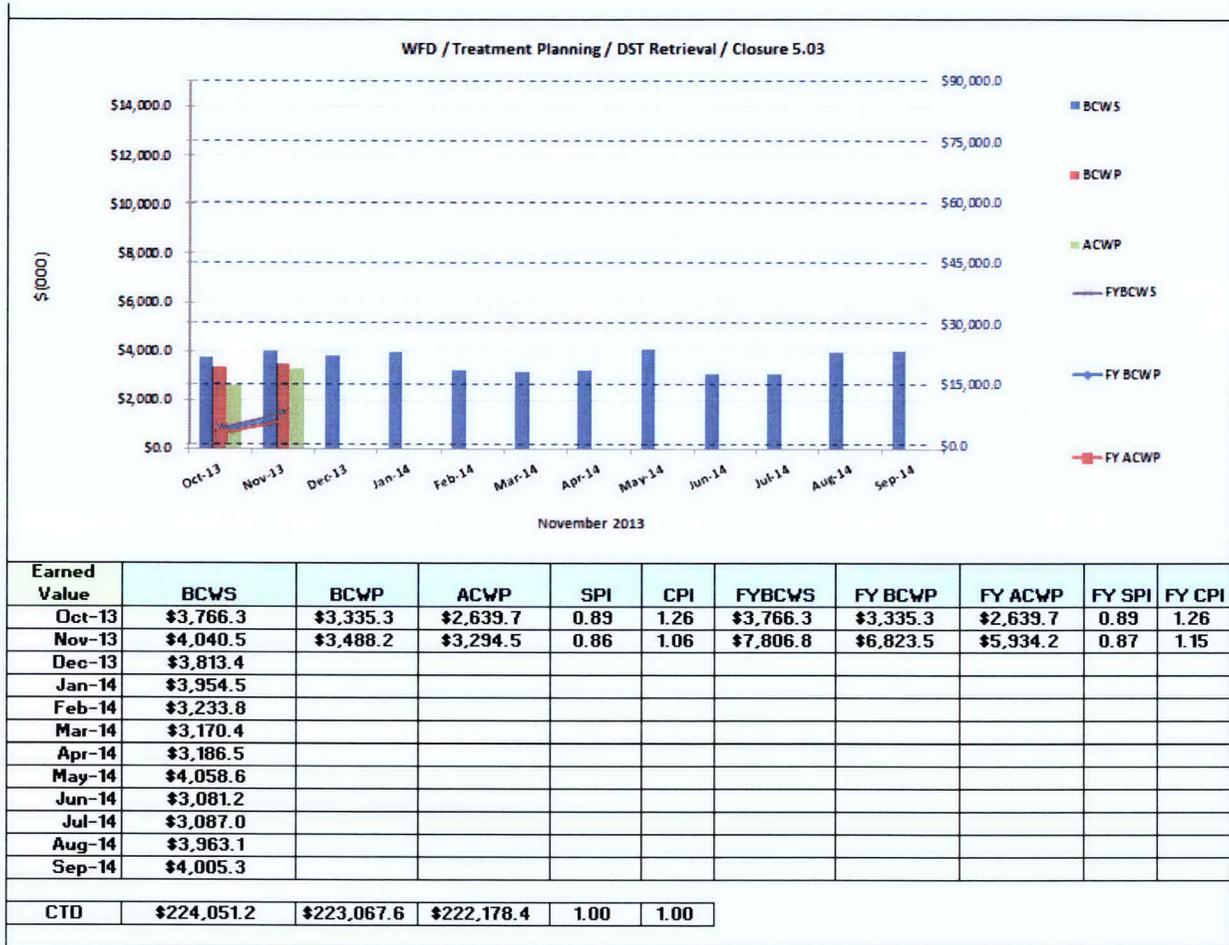
The unfavorable schedule variance is primarily due to:

- Delays on the construction activities at C-105 Retrieval. Work on C-110 and C-107 were given higher priority.

Cost Variance of \$444K:

The favorable cost variance is primarily due to:

- Removal and replacement of the sluicers at C-111. Work was performed concurrently in the same day causing a savings.



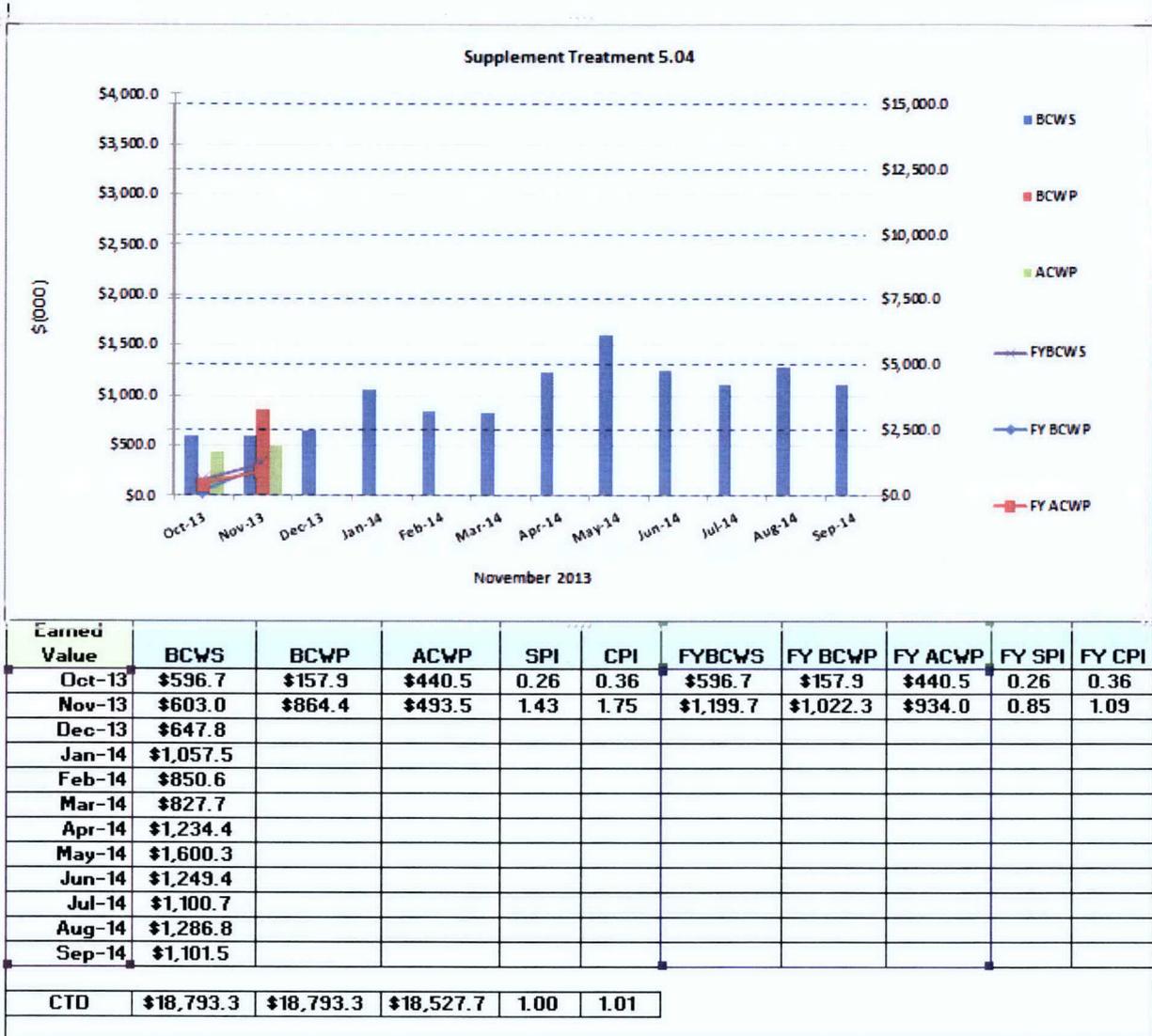
Waste Feed Delivery/Treatment/Double-Shell Tank Retrieval Closure

The current month unfavorable schedule variance of (\$552K) is primarily due to:

- Delay in the release of contracts for Direct Feed HLW Initiative, Remote Handled Transuranic Alternative Treatment, Secondary Liquid Effluent, DST Space Management, and DST in Tank Treatment Studies.

The current month favorable cost variance of \$194K is primarily due to:

- Resources redirected to Strategic Management activities instead of Technology Development work scope.



Supplemental Treatment

The current month favorable schedule variance of \$261K is primarily due to:

- Scope redirection from ORP for CH-TRU work scope.

The current month unfavorable cost variance of (\$283K) is primarily due to:

- Scope redirection from ORP for CH-TRU work scope.

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: On schedule.

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 CMS 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 RFI/CMS 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, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: September 30, 2017, Status: On schedule. This milestone date has been modified according to M-45-12-04 and the decision to move forward with construction/design of additional barriers dependent on discussions per 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-045-920, 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.
- The 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 is continues.
- Data collection in U-Farm for electrical resistivity characterization was completed. Data analysis and reporting continues.
- 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 has begun.

Significant Planned Actions in the Next 6 Months:

- Complete direct-push field work in TX-Farm under the M-045-20 work plan.
- Complete analysis and reporting of the electrical resistivity data collected in U-Farm under the M-045-20 work plan.
- Complete analysis and reporting of electrical resistivity data collected near the C-200 tanks per the WMA-C Phase 2 Resource Conservation and Recovery Act Field Investigation/Corrective Measures Study Work Plan.
- Continue documentation of the WMA-C Phase 2 Resource Conservation and Recovery Act Field Investigation Report.
- Complete the SX-Farm pore water extraction proof of principle test under the M-045-20 work plan.

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 MS 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 Single-Shell Tank 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: The Retrieval Data Report for C-104 is due March 21, 2014
- M-045-86F: The Retrieval Data Report for C-108 is due May 1, 2014
- M-045-86G: The Retrieval Data Report for C-109 is due June 4, 2014.

Significant Past Accomplishments:

- The Retrieval Data Report for tank C-108 was finalized and transmitted to Ecology under DOE letter 13-TF-0120 on November 27, 2013.
- See discussions above and related discussions in Consent Decree report.
- Held the kick-off meeting with regulators/stakeholders to discuss the activities underway for the WMA-C performance assessment.
- Completed post-retrieval logging of the drywells near C-104 ad C-109 to support the Retrieval Data Reports
- A Retrieval Data Report for tank C-104 has been drafted.
- 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 Retrieval Data Report for tank C-109 has been drafted.

Significant Planned Activities in the Next 6 Months:

- Issue a retrieval data report for tank C-104
- Issue a retrieval data report for C-109
- Continue numeric modeling for the WMA-C performance assessment
- See discussions above and related discussions in Consent Decree report.

Issues:

The WMA-C performance assessment (PA) was not funded at the beginning of FY 2013. ORP had reported previously that the WMA-C PA would need to be funded by March 31, 2013, in order to maintain the milestone schedule. Funding of the WMA-C PA was provided in FY 2013, TPA milestones M-045-61, M-045-62, and M-045-82 are still to be missed. ORP and Ecology met on October 28, 2013 and November 21, 2013, to develop an integrated path forward that addresses all the deliverables associated with milestones M-045-61, M-045-62, and M-045-82. These discussions will continue.

Tank Waste Retrieval Work Plan Status

Tank	TWRWP	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520, Rev. 7	Complete	Modified Sluicing with ERSS	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing with ERSS	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution, retrieval complete per 13-TF-0018	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	MARS-V-High Pressure Water	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-S -High Pressure Water	-
C-108	RPP-22393, Rev. 6A	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. 2	In process	Modified Sluicing	Mechanical Waste Conditioning	High Pressure Water
C-111	RPP-37739, Rev. 1	Complete	Modified Sluicing	High pressure water with ERSS	Chemical Dissolution with ERSS
C-112	RPP-22393, Rev. 6A	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:

None.

Significant Planned Activities in the Next 6 Months:

Modify TWRWP RPP-22520 with revised supernate concentrations for groundwater risk estimates associated with C-105 retrieval.

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 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 to 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 M-45-11-04 change package.

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 A-103 tank and due date of September 30, 2022, per M-45-11-04 change package.

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
January 2014

Office of River Protection

**Consent Decree 08-5085-FVS
Monthly Summary Report**

**January 2014 (Monthly Summary Report/Project Earned Value Management System reflects
November 2013 information)**

Page	Topic	Leads
1	Statistics/Status	James Lynch/Dan McDonald/Jeff Lyon
2	Single-Shell Tank (SST) Retrieval and Closure – D-00B-01, D-00B-02, D-00B-03, D-00B-04	Chris Kemp/Jeff Lyon
3	Tank Waste Retrieval Work Plan Status – Consent Decree Appendix C	Chris Kemp/Jeff Lyon
4	SST Retrieval Monthly and Fiscal Year Earned Value Management System Data	Kathy Higgins/Jeff Lyon
5	Waste Treatment and Immobilization Plant (WTP) Project – D-00A-06, D-00A-17, D-00A-01	Delmar Noyes/Dan McDonald
8	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
11	High-Level Waste Facility – D-00A-20, D-00A-21, D-00A-02, D-00A-03	Wahed Abdul/Dan McDonald
14	Low-Activity Waste Facility – D-00A-07, D-00A-08, D-00A-09	Jeff Bruggeman/Dan McDonald
16	Balance of Facilities – D-00A-12	Jason Young/Dan McDonald
18	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		On-going*
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		On-going*
D-00A-19	Complete elevation 98 feet Concrete Floor Slab Placements in PT Facility	12/31/2014		On-going*

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: On-going.* 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 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.

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 I, Submit Tank Retrieval Complete Certification, Due: To be determined.

Significant Past Accomplishments:

- Continued installation and testing of equipment for the Mobile Arm Retrieval System-Vacuum (MARS-V) at C-105. All major equipment has been installed, initiated Construction Acceptance Testing of the installed system.
- Completed installation of new replacement slurry pump at C-107. Retest of the new slurry pump is on-going.
- Completed the in-service leak test of the transfer system for C-107.
- Continued hard heel retrieval of C-112 by addition of caustic and water rinses for the dissolution process.
- Continued construction activities for installation of equipment for hard heel removal system at C-111.

Significant Planned Activities in the Next 6 Months:

- Complete installation of the MARS-V in C-105, startup of the MARS-V for C-105.
- Restart of the C-107 MARS retrieval system, and completion of retrieval.
- Begin start-up 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. 7	Complete	Modified Sluicing with ERSS	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing with ERSS	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution, retrieval complete per 13-TF-0018	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	MARS-V-High Pressure Water	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-S -High Pressure Water	-
C-108	RPP-22393, Rev. 6A	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. 2	In process	Modified Sluicing	Mechanical Waste Conditioning	High Pressure Water
C-111	RPP-37739, Rev. 1	Complete	Modified Sluicing	High pressure water with ERSS	Chemical Dissolution with ERSS
C-112	RPP-22393, Rev. 6A	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:

None.

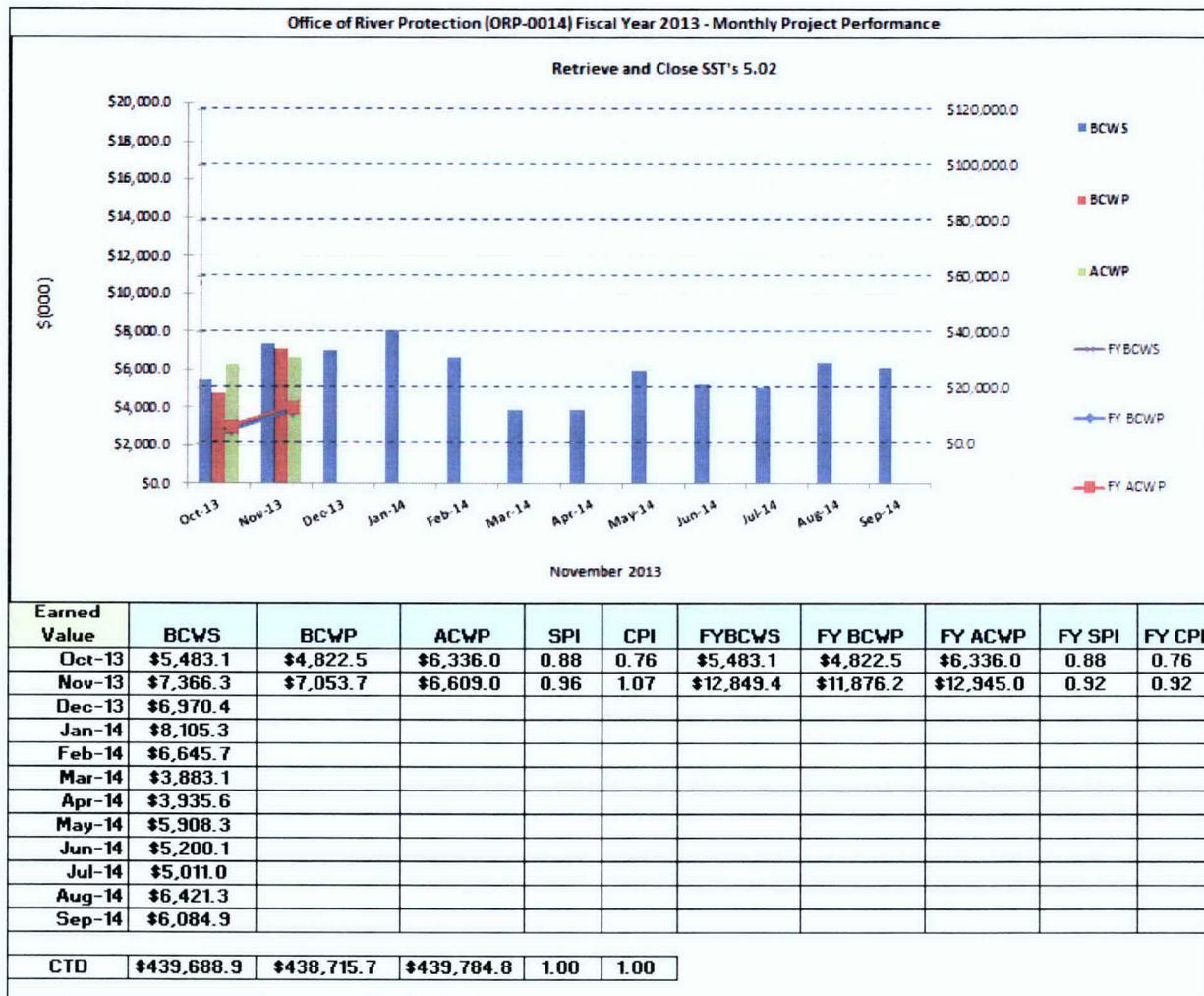
Significant Planned Activities in the Next 6 Months:

Modify TWRWP RPP-22520 with revised supernate concentrations for groundwater risk estimates associated with C-105 retrieval.

Issues:

None.

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



Retrieval and Close Single-Shell Tanks

Schedule Variance of (\$313K):

The unfavorable schedule variance is primarily due to:

- Delays on the construction activities at C-105 Retrieval. Work on C-110 and C-107 were given higher priority.

Cost Variance of \$444K:

The favorable cost variance is primarily due to:

- Removal and replacement of the sluicers at C-111. Work was performed concurrently in the same day causing a savings.

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 2,325 full-time equivalent contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 603 craft, 394 nonmanual, and 167 subcontractor full-time equivalent personnel working at the WTP construction site (all facilities).

As of November 2013, the combined Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) (collectively LBL) were 65-percent complete, design and engineering was 79-percent complete, procurement was 83-percent complete, construction was 74-percent complete, and startup and commissioning was 11-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 November 2013, the cumulative to-date WTP Project schedule variance was a negative \$51.5 million, and the cumulative to-date WTP Project cost variance was a negative \$16.3 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 November.

Significant Past Accomplishments:

- Received simulant tank agitators for the full scale test facility (PT/HLW)
- Initiated jet impingement testing for erosion (PT/HLW)
- Completed HLW Design and Operability Review (HLW)
- Received the HEPA preheaters for LAW secondary offgas/vessel vent process system from the manufacturer (LAW)
- Completed placement of the Standby Diesel Generator Facility foundation (BOF)
- Completed weld repairs to RLD vessel 163 (LAB).

Significant Planned Actions in the Next 6 Months:

- Assess the resumption of design, procurement, and construction for HLW (HLW)
- Complete reliability validation process reviews (HLW)
- Develop vessel-specific particle characteristics report for erosion/corrosion (PT/HLW)
- Complete installation of ASX System (LAW)
- Complete construction of the Glass Former Storage Facility (BOF)
- Complete repairs to RLD vessels (LAB).

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, pulse-jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

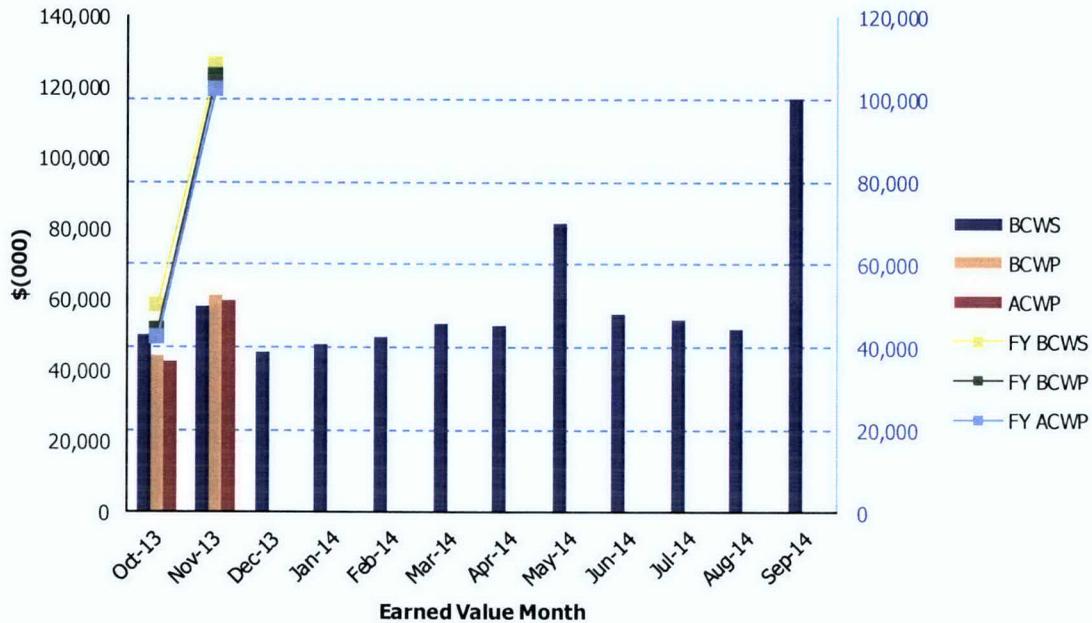
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$45,182									
Jan 2014	\$47,290									
Feb 2014	\$49,428									
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	\$7,898,219	\$7,846,732	\$7,862,992	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 technical issues. Construction of the mixing test platform continues in preparation for full-scale testing. Engineering specifications for full-scale testing have been prepared and are undergoing a multidiscipline review. National laboratories are developing a test plan, simulant, and instrumentation requirements. BNI has developed a probabilistic risk assessment plan and project execution plan to resolve technical issues regarding criticality, hydrogen in vessels, and HPAV. The plans are undergoing comment resolution. Resources are being moved to perform technical issues resolution in PT.

BNI has completed a preliminary evaluation of the impact of a proposed change to the natural phenomenon hazards design criteria that would double the ash fall criteria. This design criteria revision has the potential to impact facility design and heating, ventilating, and air-conditioning (HVAC) system design.

Significant Past Accomplishments:

- Continued construction at Full-Scale Test Facility with primary air system piping spools
- Completed review of the 90 percent draft Full Scale Test Plan from Pacific Northwest National Laboratory
- Received simulant tank agitators for the full scale test facility
- Initiated jet impingement testing for erosion

Significant Planned Actions in the Next 6 Months:

- Update basis of design for safety classification regarding seismic analysis of vessels
- Issue sampling action plan to determine sampling accuracy
- Define pulse-jet mixing control strategy
- Start slurry pot testing for erosion
- Review flammable gas generation, retention, and release from sediments in vessels
- Develop decision process for vessel structural modifications
- Develop vessel-specific particle characteristics report for erosion/corrosion
- Issue engineering specification for vessel testing
- Receive final test plan, simulant composition, and instrument list from Pacific Northwest National Laboratory.

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, pulse-jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed specification.

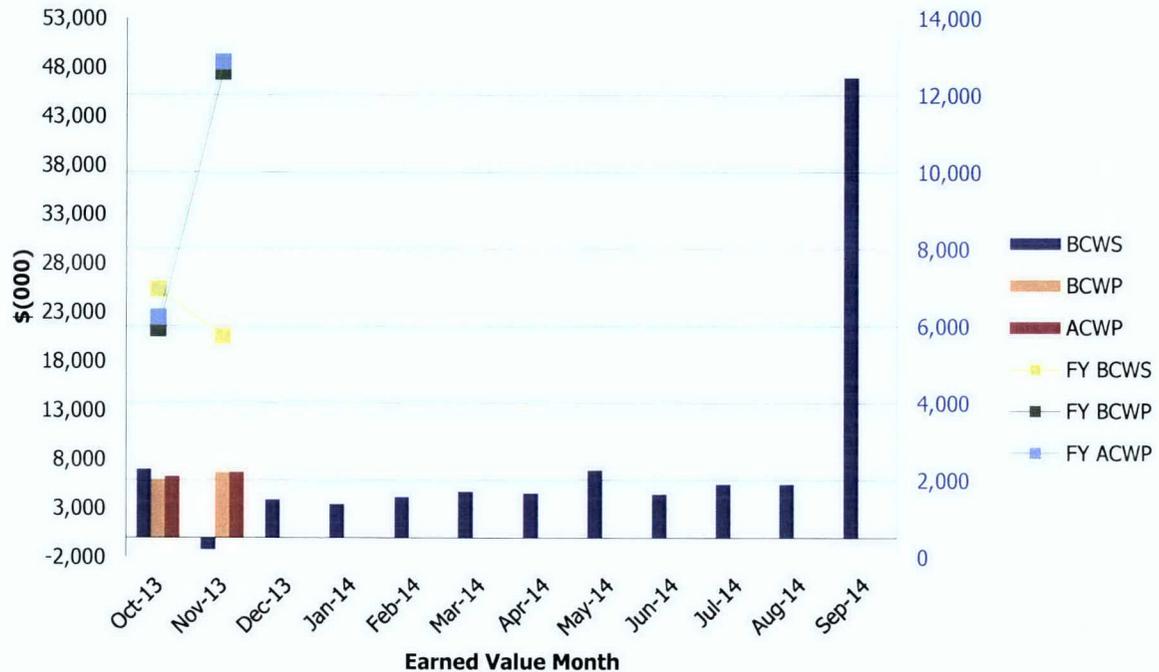
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$3,865									
Jan 2014	\$3,399									
Feb 2014	\$4,113									
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	\$1,534,244	\$1,515,936	\$1,513,969	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 is 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.

Technical review teams continue to evaluate open technical issues with priority placed on the resumption of HLW construction. 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.

The path forward to ramp up HLW production engineering and construction is separated into 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.

Significant Past Accomplishments:

- Completed HLW Design and Operability Review
- Continuing with the risk assessments for the technical and programmatic issues
- Continuing to develop the safety design strategy

Significant Planned Actions in the Next 6 Months:

- Assess the resumption of design, procurement, and construction for HLW
- Complete reliability validation process reviews
- 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
- Complete conceptual design of in-service inspection
- Complete plan for erosion/corrosion risk evaluation for HLW
- 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, pulse-jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed specification.

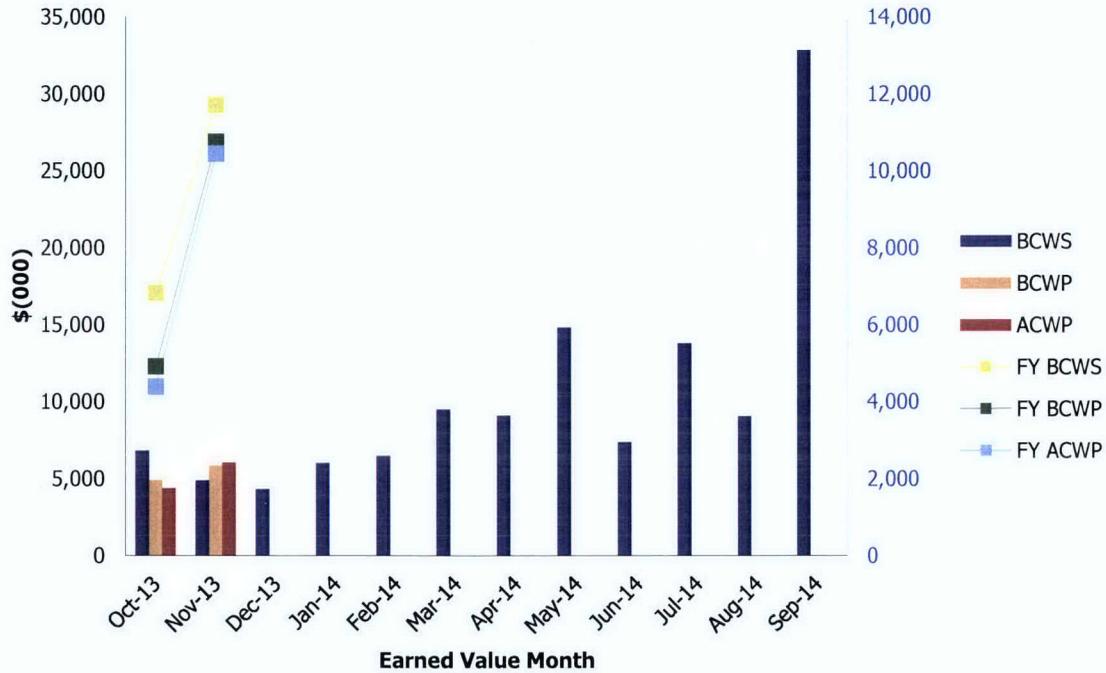
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$4,314									
Jan 2014	\$6,010									
Feb 2014	\$6,472									
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	\$998,512	\$999,935	\$993,315	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 November 2013, the LAW Facility is 66-percent complete overall, with engineering design 79-percent complete, procurement 85-percent complete, construction 69-percent complete, and startup and commissioning 6-percent complete.

Significant Past Accomplishments:

- Received the HEPA preheaters for LAW secondary offgas/vessel vent process system from the manufacturer
- Installed the swabbing manipulators in the north and south finish line
- Installed the melter refractory to support the pour spout assembly installation
- Started long lead procurement of the Thermal Catalytic Oxidizer (TCO) heat exchanger
- Hydro-tested 3,500 linear feet of piping
- Installed over 700 linear feet of instrument tubing, and 2,400 linear feet of electrical conduit, and pulled over 21,000 linear feet of cable

Significant Planned Actions in the Next 6 Months:

- Complete installation of autosampling system
- Continue refractory brick installation in the melters
- Complete hazard analysis for the melter and melter off-gas.

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.

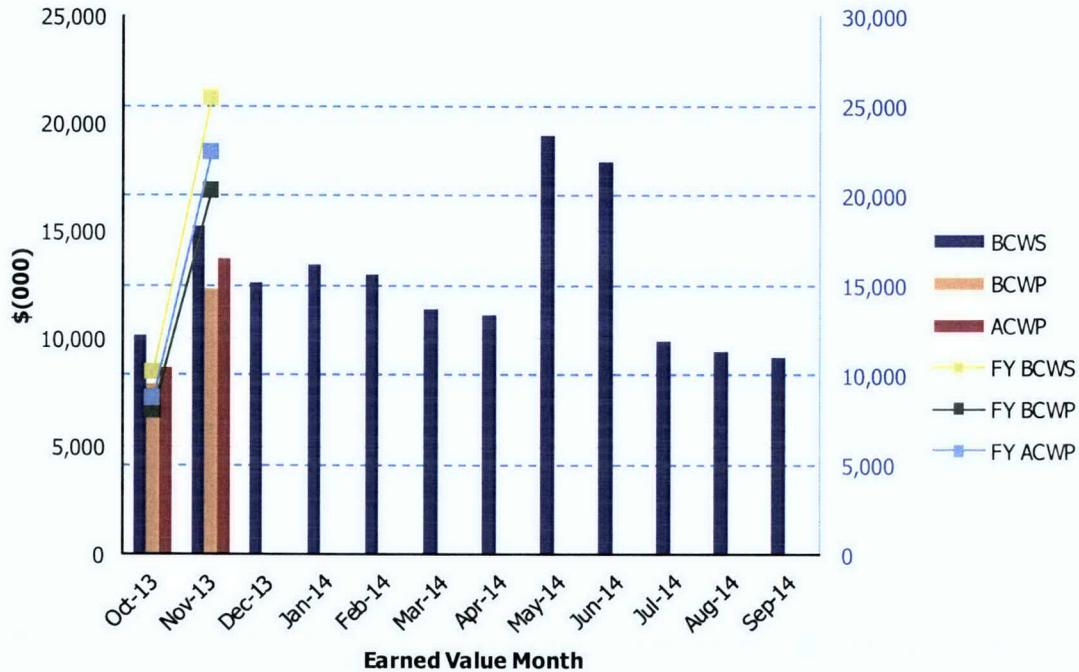
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$12,569									
Jan 2014	\$13,444									
Feb 2014	\$12,976									
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	\$829,895	\$809,781	\$865,689	0.98	0.94					

Balance of Facilities

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

The BOF provides services and utilities to support operation of the main production facilities: PT, HLW, LAW, and LAB. As of November 2013, BOF is 59-percent complete overall, with engineering design 80-percent complete, procurement 72-percent complete, construction 79-percent complete, and startup and commissioning 13-percent complete.

Commercial grade dedication activities in support of the emergency turbine generator procurement are the primary focus for design engineering and the procurement organization. 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 (NLD) system from construction to startup. Excavation activities for the SDG Building are complete, and the foundation for the facility has been placed. The construction organization has performed the 8-week walk down for the NLD system and is completing activities for turnover to the start-up organization for component level testing.

Significant Past Accomplishments:

- Pulled 2,830 linear feet of cable and completed 63 cable terminations in the Glass Former Facility
- Completed placement of the Standby Diesel Generator Facility foundation
- Started relay testing/calibration in the BOF Switchgear Building 91

Significant Planned Actions in the Next 6 Months:

- Complete construction of the Glass Former Storage Facility
- Turnover the NLD 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.

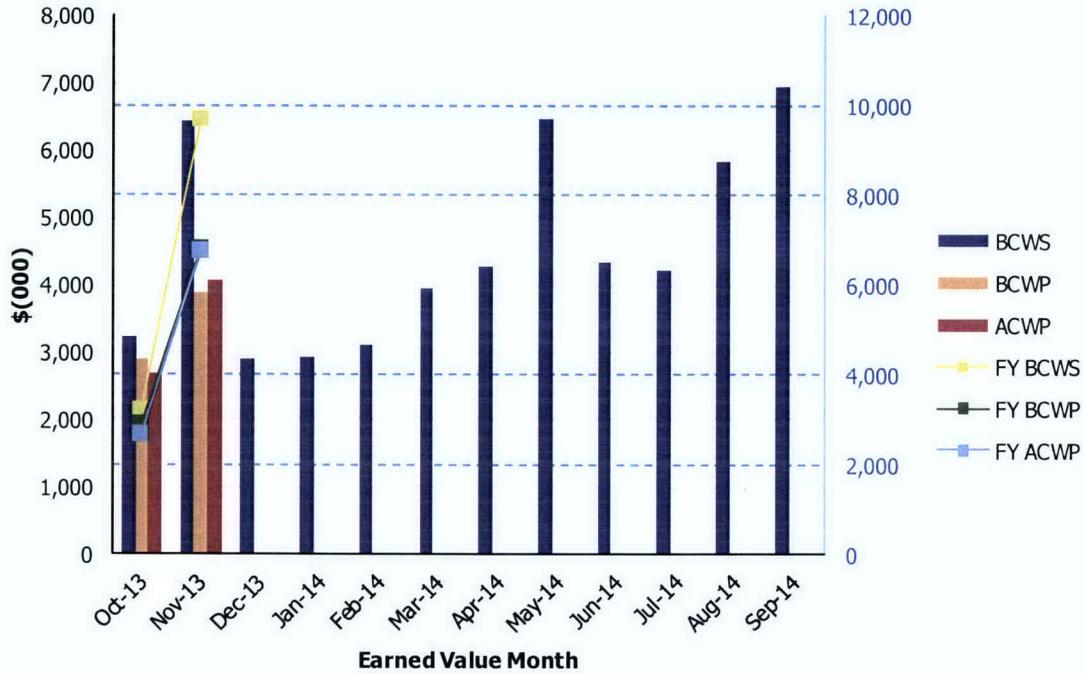
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$2,904									
Jan 2014	\$2,934									
Feb 2014	\$3,119									
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	\$336,363	\$324,436	\$318,117	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 November 2013, the LAB is 71-percent complete overall, with engineering design 79-percent complete, procurement 86-percent complete, construction 86-percent complete, and startup and commissioning 23-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:

- Received instrument and transport lines for the exhaust stack monitors
- Pulled over 20,000 linear feet of cable and completed 1,200 terminations
- Completed weld repairs to RLD vessel 163

Significant Planned Actions in the Next 6 Months:

- Complete fabrication of stack discharge monitoring panels
- Complete repairs to RLD vessels

Issues:

No major issues at this time.

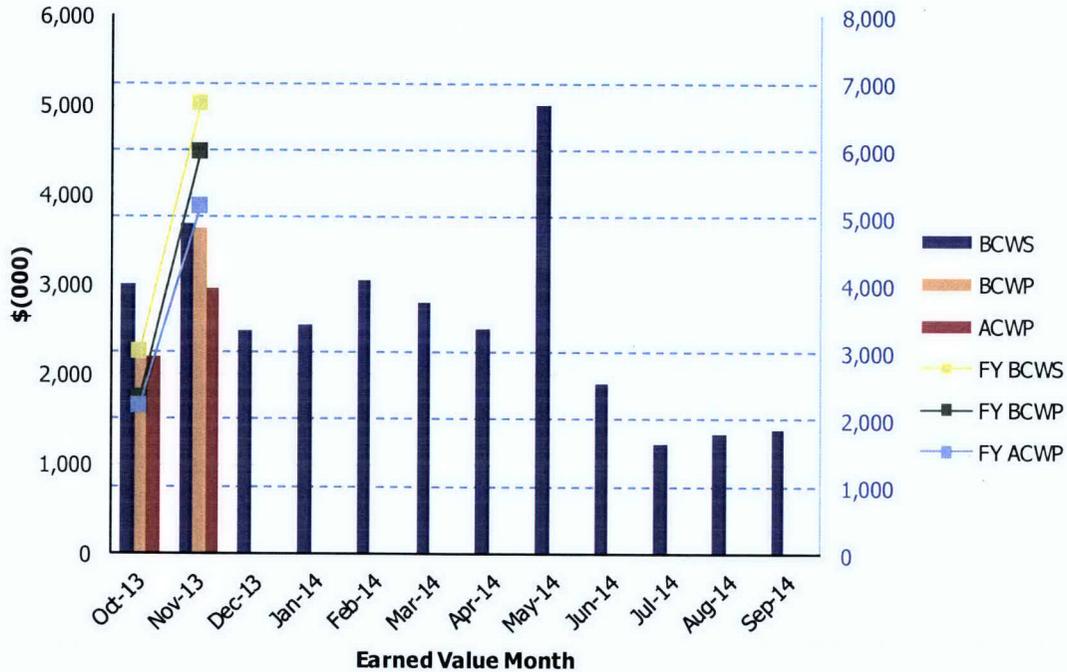
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: November 2013

**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	\$2,481									
Jan 2014	\$2,553									
Feb 2014	\$3,051									
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	\$243,736	\$239,040	\$257,658	0.98	0.93					

Waste Treatment Plant Project - (LBL) Percent Complete Status															
Through November 2013															
Facilities	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
Low-Activity Waste	1,228.2	809.8	66%	317.3	251.4	79%	266.3	227.6	85%	466.6	320.7	69%	177.9	10.1	6%
Analytical Lab	334.9	239.0	71%	72.6	57.3	79%	54.8	47.4	86%	138.5	118.7	86%	68.9	15.7	23%
Balance of Facilities	546.0	324.4	59%	95.0	76.4	80%	72.0	51.9	72%	224.0	176.2	79%	155.1	19.9	13%
Total LBL	2,109.1	1,373.3	65%	485.0	385.1	79%	393.1	326.9	83%	829.1	615.6	74%	401.9	45.7	11%
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%	1,436.5	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	10,831.9	7,338.5	68%	2,658.1	2,334.0	88%	1,958.6	1,451.7	74%	3,716.7	2,380.4	64%	1,160.4	188.9	16%

Source: Preliminary WTP Contract Performance Report - Format 1 - Data for November 2013

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 PTHLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PTHLW/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 PTHLW/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 – January 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				D. Hildebrand	S. Eberlein	J. Lyon	
	M-045-22-T03	Submit SX Soil Desiccation/Contaminant 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.
Submit Retrieval Data Report after WMA C SST Retrieval Completion Certifications	M-045-86	Retrieval Data Report for SST C-104, embedded TPA milestone M-045-86C	03/21/14							• CD Retrieval Completion Certification for SST C-104 sent to ECY on 03/21/13 via ORP Letter 13-TF-0018.
Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and 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.
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	• At the January 2013 TPA PMM meeting, ORP stated DOE and ECY are currently in discussions to move out the due dates 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	
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	• Moved to 09/31/13 per M-45-12-01 TPA Chg Pckg. • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	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	• Reported as To Be Missed in October 2012 TPA PMM Mtg • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	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	• Reported as To Be Missed in October 2012 TPA PMM Mtg • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	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	• Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	M-045-91F-T02	Provide Report of Liner Failures for SSTS	03/31/15	03/31/15			J. Johnson	R. Gregory	J. Lyon	• Reported as To Be Missed in October 2012 TPA PMM Mtg • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	06/30/15	06/30/15			J. Johnson	R. Gregory	J. Lyon	• Reported as To Be Missed in October 2012 TPA PMM Mtg • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTS	07/28/15	07/28/15			J. Johnson	R. Gregory	J. Lyon	• Reported as To Be Missed in October 2012 TPA PMM Mtg • Updated per TPA Chg Pckg M-45-13-01, approved on 06/27/13
	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."

Red = DOE submittal within the next 90 days **Green** = document is under initial ECY Regulatory Review **Black** = document under comment/review response or other actions **Blue** = document is completed

WORKING ORP Key Documents List – January 2014

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	
IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	TBD			T. Fletcher		J. Lyon		
OTHER DOCUMENTS	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**

ORP Project Managers Meeting
January 28, 2014
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Items Submitted to TPA Administrative Record

(ORP December 19, 2013 project manager meeting minute package)