

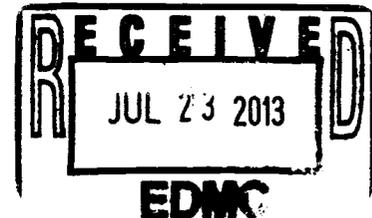
ORP Project Managers Meeting
 June 25, 2013
 2440 Stevens Ctr.
 Richland, Washington
Meeting Minutes Transmittal

Distribution:

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G. B. Olsen	ORP	H6-60
S. C. Stubblebine	ORP	H6-60
G. D. Trenchard	ORP	H6-60
J.D. Young	ORP	H6-60
D. Becker	Ecology	H0-57
R.K. Biyani	Ecology	H0-57
A.S. Carlson	Ecology	H0-57
T.Z. Gao	Ecology	H0-57
J. J. Lyon	Ecology	H0-57
J. D. McDonald	Ecology	H0-57
J. Price	Ecology	H0-57
H.M. Bowers	WRPS	H6-14
J.W. Donnelly	WRPS	H3-26
J. J. Luke	WRPS	H6-14
S. E. Killoy	WRPS	H6-14
R. J. Skwarek	WRPS	H3-28
R. A. Kaldor	MSA	H7-28
R. E. Piippo	MSA	H7-28

ADMINISTRATIVE RECORD – Heather Childers: H6-08

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



ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

CT Kemp
Chris Kemp, DOE-ORP

Date: 7-23-13

Wahed Abdul
Wahed Abdul, DOE-ORP

Date: 7/23/13

Jason Young
Jason Young, DOE-ORP

Date: 7/23/13

Jeff Bruggeman
Jeff Bruggeman, DOE-ORP

Date: 7/23/13

Mill W Baine
J. Lyon, Project Manager,
Washington State Department of Ecology

Date: 7-23-13

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

Date: 7-23-13

Purpose: ORP Project Managers Meeting

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Table of Contents

Meeting Minutes	18 Pages
Attachment A, Agenda, AR List, Agreement, Issues and Actions	5 Pages
Attachment B, List of Attendees	3 Pages
Attachment C, Presentation Materials	42 Pages

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record - ORP referred to several documents entered into the AR, including the change package for the M-045-91 series of milestones and target dates (see attached agenda for list of items entered into the AR). The change package is in the process of being submitted to the AR. ORP noted that the signed change package was sent to Ecology yesterday (6/24/13).

2.0 Agreements, Issues, Actions

Ecology asked who was the representative today for integration between tank farms and the Waste Treatment Project (WTP). ORP responded that the representatives were not present today, and offered to relay any questions Ecology had. The following actions were updated as follows:

Action No. TF-13-05-04 - Ecology stated that it has not been contacted regarding a meeting to discuss direct feed LAW, and that the discussion still needs to take place. This action remains open.

Action No. TF-13-04-01 - ORP stated that a revised DOE-ORP implementation plan for the DNFSB recommendation 2010-2 is being routed. ORP noted that it is in a transition on the waste feed delivery program, and the current information will be obtained and provided to Ecology. Ecology asked if ORP intends to send over the revised implementation plan for Ecology to review before the plan is finalized. ORP indicated that it will not be provided for review, but the implementation plan will be shared once the plan is final. This action remains open.

Action No. TF-13-03-04 - ORP noted that comments were received 5/9/13 from Ecology on the draft TPA change package that was submitted 2/12/13, and that Ecology's position on the milestone is not workable as written. ORP stated that further discussion with Ecology is needed to reach agreement on common language before finalizing the change package. ORP noted that the original plan was to wait for the Consent Decree three-year discussion point to set a better frame for the direction of supplemental treatment, and since there is not a clear picture of the timing of supplemental treatment, the current milestone dates for the one-time supplemental treatment report and the negotiations (M-062-40ZZ and M-062-45ZZ) do not make sense. This action remains open.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Action No. TF-13-03-03 - ORP stated that it is in the process of obtaining input from WRPS before finalizing the draft practicability evaluation, and then discussions will be held with Ecology about integrating the practicability evaluation with the tier 1, 2 and 3 submittal for WMA-C. This action remains open.

Action No. TF-13-02-04 - Ecology requested updates and information on the status of this action regarding the potential for direct feed of the WTP-LAW facility. ORP noted that this action appeared to be a duplicate of action No. TF-13-05-04. Ecology agreed to combine actions TF-13-02-04 and TF-13-05-04, and requested that ORP close on the action within the next month. ORP stated that the new Secretary of Energy has pledged to produce a plan before the end of this summer for how the project will proceed.

Ecology initiated a brief discussion by suggesting the option of closing certain actions that can't always be resolved or updated, citing the LAW direct feed action that is on hold until the new Secretary of Energy's plan is produced. It was agreed to continue carrying the actions as a mechanism to drive discussion and/or resolution. ORP noted that once the Secretary's plan comes out, a review of all the actions should be done to determine whether the plan will close any actions. Ecology added that the Secretary's plan may open new actions.

Action No. TF-13-02-03 - ORP reported that the Performance Assessment (PA) will not be done in time for the RFI/CMS milestones (M-045-61/62), but the existing risk data from the EIS and the past SST PA could be used. ORP stated that an agreement has been drafted and three meetings with Ecology have been held. WRPS added that a meeting was held last week (6/20/13) with Ecology and DOE-RL, and a potential path forward was agreed to that will involve a TPA change package. WRPS met with ORP yesterday (6/24/13) and obtained agreement to move forward with drafting a change package.

Action No. TF-13-02-01 - ORP stated that Ecology is receiving the groundwater monitoring reports. Ecology confirmed that the reports are being received. This action was closed.

Action No. TF-12-12-03 - ORP submitted a signed change package to Ecology on 6/24/13.

Action No. TF-12-10-04 - ORP and Ecology agreed to keep this action open.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Action No. TF-12-10-02 - ORP will schedule a meeting with Ecology on July 10, 2013 to include Ecology's water purveyor. This action remains open.

TPA and CD Milestone Status - ORP noted that the TPA and CD monthly summary status lists all the milestones for FY13 through FY15. ORP stated that the TPA target milestone that was missed (M-045-91F-T01) and all of the to-be-missed milestones for the M-045-91 series associated with the SST integrity program are included in the signed change package that was sent to Ecology yesterday (see attached AR submittal list). ORP noted that a signed change package was sent to Ecology since the change package had already gone through Ecology review and agreement had been reached. ORP added that once Ecology signs the change package, the TPA monthly summary will be revised to reflect the agreed-to dates for the milestones. ORP noted that TPA milestones M-045-61/62 are to be missed. Discussions have been held with Ecology, and agreement has been reached between ORP and Ecology to move forward with drafting a change package (see action No. TF-13-02-03). ORP noted that TPA milestone M-045-82 is to be missed (see action No. TF-13-03-03). ORP stated its intent to meet with WRPS and DOE-RL, and then to hold discussions with Ecology.

ORP referred to the ongoing status for CD milestones D-00B-01 and D-00A-07, and stated that the Department of Justice (DOJ) provided notification to the states of Washington and Oregon on June 6, 2013, that these two milestones are now at serious risk. Ecology pointed out that an ongoing status indicates that the milestones are not at risk. ORP responded that the monthly summary is through April 2013, and the summary will be updated to reflect the serious risk status. ORP added that on page two of the CD report, the ongoing status with an asterisk refers to the issues section where the serious risk is noted. ORP stated that the process for negotiating the milestones that are missed, to be missed or at serious risk will be conducted in a forum outside of the project managers meeting. Ecology asked for clarification regarding the definition of serious risk. ORP responded that serious risk means the milestone could be missed, and referred Ecology to the language in the CD. It was noted that the terms as defined for the milestones vary between the CD and the TPA.

3.0 Review of the ORP Summary

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Tank Farms

System Plan - ORP noted that a kick-off meeting was held with Ecology June 10, 2013. Ecology requested an action to set up a meeting to discuss system planning efforts in July 2013, and ORP agreed to the action.

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

ORP stated that there was no change to report for the Interim Hanford Storage and Secondary Liquid Waste projects. No funding was provided in FY13 for the two projects. ORP is planning to resume the two projects in FY14 if funding is received, and the Critical Decision 1 (CD-1) packages with the conceptual design would be produced by the end of FY14 (9/30/14).

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

ORP noted that milestones M-062-40ZZ/45ZZ were discussed under action No. TF-13-03-04. ORP indicated that discussion with Ecology will continue on these two milestones, and that Ecology is working with the Attorney General on the milestones. ORP added that technology development on the Cast-stone waste form and the technetium removal was started at the beginning of the process to add information to the one-time report effort, and that will yield benefits in a number of ways that are not specifically useful to these milestones.

242-A Evaporator Status - ORP stated that there was no change to the evaporator status, and the estimated start date for the campaigns is unchanged.

M-045-91, SST Integrity Assurance:

ORP stated that the revised change package for the M-045-91 series of milestones and target dates was transmitted via letter No. 13-TF-0044 to Ecology yesterday for approval (see attached items submitted to the AR). ORP noted that the change package reflects the impacts from funding constraints and sequestration. ORP added that the reprogramming funds have been received, and expressed confidence with meeting the revised dates in the change package.

Ecology inquired about the status of the SSTs that the governor announced were leaking. ORP responded that the evaluation report for T-111 has been completed and is based on the monitoring

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

data currently available. ORP added that the evaluation report is currently marked OOU and cannot be released, but ORP is working on getting the classification changed so it can be shared with a wider audience. ORP noted that as stated previously, it is believed that T-111 is leaking. ORP stated that the video inspection has been done on the other five tanks that were identified as high priority tanks, but the evaluation reports have not been completed. The reports are scheduled to be completed by the end of FY13. Ecology asked about the two 200B tanks that were discussed by the governor. ORP responded that video camera was placed in all five of the tanks, which are the two 200B tanks, T-203 and T-204 and TY-105. ORP stated that based on the in-tank video in four of the five tanks, more liquid was observed on the surface of the waste than was expected. ORP indicated that the initial visual observations suggest that the liquid may be able to be calculated and shown as evaporation.

In Tank Characterization and Summary - ORP noted that the designated representative was not present today, but the SST integrity rep could answer any questions or concerns. Ecology stated that it would be helpful and appropriate for ORP to ensure that a representative is present to provide the status of each tank farms section. ORP responded that an effort will be made to comply with Ecology's request and to make a statement at the beginning of the meeting if a stand-in rep is present. ORP reported that the C-109 RDR sample was taken.

Tank Operations Contract (TOC) Overview - ORP reported that the negative schedule variance for base operations was due to budget impacts from sequestration and the continuing resolution, and that efforts are being made to get back on schedule. Ecology asked about the SST benchmark repairs. ORP responded that all of the SSTs have benchmarks, which are small metal tabs on some of the risers or pits, and the elevation on the benchmarks is periodically surveyed to ensure the tanks aren't settling. One of the recommendations from the expert panel was to have a benchmark toward the center of the tank and one toward the haunch of the tank to be able to observe a differential settlement. ORP stated that a differential settlement would be of more concern than a settlement of the entire tank. The benchmark repairs involved installation of new benchmarks and making the existing benchmarks more legible.

Regarding the negative schedule variance for retrieve and close SSTs, Ecology asked about the additional resources required for the C-110. ORP responded that the additional resources

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

involved installing a hot water skid rather than trucking the hot water over from the area by the evaporator. The hot water is one of the additional retrieval methods being deployed in C-110.

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

M-045-56I - ORP reported that the annual meeting was held earlier this month. WRPS stated that meeting minutes were generated from the meeting and are being routed for review. When the minutes are approved they will be entered into the AR, and this milestone will be closed.

Significant Past Accomplishments - ORP noted that pushes are being done in TX Farm. ORP reported that pushes in SX Farm are being completed for the contaminant removal study, and efforts are under way to determine how much flow will go through the push, which is a small diameter of less than two inches.

TPA-SST Retrieval and Closure Program:

M-045-82 - ORP noted that this milestone was discussed under action No. TF-13-03-03. After ORP coordinates with WRPS and DOE-RL, discussions will be initiated with Ecology.

Significant Past Accomplishments - ORP noted that results from the dry well logging by C-108 don't appear to have changed from the last dry well logging conducted several years ago.

Issues - ORP reported that WRPS has been funded to start the PA. Staff and schedules are being set up, and Ecology will be briefed when the efforts to initiate the PA are finalized.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP reported that discussion with Ecology will be initiated within a week regarding a draft modification to C-111 for the start of caustic dissolution. There were no other changes from last month to report for the TWRWPs.

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:

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

D-00B-01 - ORP noted that the status of this milestone was discussed earlier today under the status of CD milestones, and that the DOJ sent a letter to the Washington State Attorney General regarding the serious risk to meeting this milestone.

TWRWP Status - ORP provided a status on the C-111 TWRWP modification under the TPA TWRWP status.

Waste Treatment Plant

ORP addressed the open actions as follows:

Action No. WTP-13-04-03 - ORP reported that the vendor contract for the thermal catalytic oxidizer (TCO) has been established, and it is the same vendor that built the High Level Waste (HLW) TCO. ORP indicated that it will take a couple months to assess the quality documentation, and then a contractually enforceable schedule for the completion of fabrication will be established. Ecology estimated that it would be in the September/October 2013 time frame before the schedule and procurement would be available, and ORP agreed with the estimate.

Action No. WTP-13-04-01 - ORP is finalizing the report on the RVP Wave 1, and a briefing will be provided to Ecology in the near future.

Action No. WTP-13-02-02 - ORP stated that Bechtel provided a briefing to Ecology on RLD vessels 163 and 164 during Ecology's review of the LAB substantially complete milestone. Ecology agreed to close this action item.

Action No. WTP-13-02-01 - A meeting is scheduled this Thursday, 6/27/13, for ORP to provide Ecology a briefing on the PT and HLW facility maintenance program.

Action No. WTP-13-01-01 - See discussion under LAB cathodic protection.

ORP reported that the new Secretary of Energy visited the Hanford Site last week, mainly focusing on the WTP and tank farms activities. ORP indicated that it was a good opportunity to communicate with the Secretary on the status of WTP and tank farms, and the path forward for both the technical issues and the mission. Ecology noted that during the tank farms portion of today's meeting, that it was reported the Secretary will be putting together a plan. ORP

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

responded that the Secretary made a commitment to put forth a plan by September 2013. ORP added that the scope of the plan is not known at this time.

ORP stated that the Department of Justice (DOJ) made formal notification to the states of Washington and Oregon of the serious risk to meeting the LAW construction substantially complete milestone in 2014 (D-00A-07). ORP noted that the two follow-on milestones for cold and hot commissioning (D-00A-08 and D-00A-09) were not included in the notification.

ORP reported that the reprogramming funds were received in early June 2013, which took money from Pretreatment (PT) and HLW and moved \$115 million over to LBL (LAW, BOF and LAB). Ecology asked if a Congressional budget is not agreed to for FY14, whether a resulting continuing resolution (CR) budget will impact funding. ORP responded that it is operating under the assumption that a CR will be the budget going into FY14. Ecology noted that the FY14 budget would revert back to FY12 funding if there is a CR, and ORP concurred. Ecology asked about any impact to the reprogramming funds if a CR is the budget scenario. ORP responded that if Congress does not provide a budget for FY14, it will cause the same problem because the budget will revert to the FY12 budget with the same control points and full construction in PT and HLW. ORP stated that in anticipation of going into CR, it is voicing its concern, but ultimately the decision will be with Congress.

ORP stated that some ramping up is being done in LAW, with the addition of about 250 craft and 100 engineers. ORP noted that the ramp-up is a careful balancing process, in anticipation of funding issues in FY14, and not having to turn around and do mass layoffs. Another issue is managing the \$115 million reprogramming and not having too much carryover into FY14, which is only in about three months. ORP added that procurements cannot be ramped up quickly. Ecology noted that if there is a CR in FY14, and there is a certain amount of carryover, ORP will not have the flexibility to use the money where it is needed without Congressional action. ORP concurred, and stated that it would be a more critical issue if funding for FY14 is a CR. ORP added that it is working the issues and seeking all the support possible to avoid a CR in FY14, but ultimately it will be a Congressional action that will define what and how work in FY14 is done. It was noted that it took about a nine months to get approval for the reprogramming.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

ORP reported that construction continues to move forward in LBL to the rebaseline, and PT and HLW continue to work to the two-year plan. Engineering and construction in PT remains essentially suspended, and the majority of the efforts are tied to technical issue resolution. Construction is continuing in HLW, primarily civil, concrete and rebar and maintaining the wet cell access for RLD vessel 8. ORP stated that the design completion teams continue to focus on technical issue resolution in HLW to allow moving forward by the end of calendar year 2013.

Significant Past Accomplishments - ORP noted that the simulant was received for the 8-foot testing in the acrylic vessel, which will be conducted at Mid-Columbia Engineering (MCE). Ecology asked if the recipe for the simulant was from the National Labs. ORP responded that the recipe is from the National Labs, and it is a basic simulant in comparison to the other simulants. ORP added that the testing will primarily be for testing the control strategy and not for vessel performance. Ecology inquired about the progress on the simulant issues at the labs and determining how many vessels will need to be tested for vessel configuration. ORP responded that the issues are being worked and progressed. Ecology asked about getting a copy of the engineering specification for vessel testing. ORP responded that a copy could be provided. It was noted that a meeting is scheduled this afternoon with the lead for the design completion teams, and a request would be made for a copy of the engineering report.

ORP stated that Bechtel issued the first Safety Evaluation Part 1 of the two Authorization Basis Amendment Requests (ABAR). ORP noted that the Safety Evaluation is part of the process to get the Preliminary Documented Safety Analysis (PDSA) aligned with the current design in HLW. ORP added that a second ABAR will be needed to complete the PDSA upgrade. Ecology asked if any of the safety evaluation issues and ABAR issues will be affected by the Failure Mode Effects & Criticality Analysis (FMECA) and other technical design processes that are ongoing. ORP responded that the first part will not be affected, but the second, more detailed follow-up, which will include the design closure issues, may potentially affect the PDSA. ORP noted that the PDSA upgrades are more associated with updating the PDSA and aren't really associated with the open technical issues that the design completion teams are working. Ecology asked if there could be another round of PDSA updates once some of the technical issues are closed and it is determined whether or not design changes will be necessary. ORP responded that it is a possibility in HLW, with a much higher probability in PT. ORP added that it will be an ongoing process to keep the design and the PDSA sufficiently aligned.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Ecology asked if the RLD-8 vessel has been moved to the test facility. ORP stated that it has been moved to the MCE facility, and it is sitting on the side of the building and has been covered. Ecology asked about the schedule for the RLD-8 vessel testing. ORP stated that there are issues with the acrylic vessel that Bechtel is addressing, which has delayed the testing. The issues are associated with the potential for the acrylic vessel to become brittle and to crack or break and to fail.

Pretreatment (PT) Facility

Significant Past Accomplishments - ORP reported that Bechtel awarded the subcontracts for the Phase 1 erosion testing for jet impingement and erosion/abrasivity, and a majority of the work should be completed by the end of this calendar year for the testing. Ecology asked if ORP will ensure that Ecology's engineers receive the testing reports for review. ORP responded that it will be coordinating with Ecology via the design completion team representative. ORP stated that the issue regarding the bottom head structure on the HLP vessels has been resolved, and the bottom head will not be used as a cooling jacket, which will eliminate the buckling issue. The resolution confirmed that the other cooling jackets are sufficient to meet the needs, and the bottom head will not be torn out. Ecology indicated that the issue resolution to the bottom head structure had not been communicated. ORP responded that the issue resolution was a recent activity and final signature was to be made today.

Significant Planned Actions in the Next Six Months - Ecology referred to the bullet for issuing a draft procedure for conducting FMECA, and asked if there is no procedure for how Bechtel is doing business. Ecology stated that it has attended FMECA meetings, which involve good technical discussions, but there doesn't appear to be a procedure for how the FMECA process will be done and how the results are derived. ORP concurred with Ecology's concerns. Ecology requested an action for ORP to provide a status of what procedures are in place to meet the FMECA. Ecology noted that it will bring up the subject during the meeting scheduled later today with the lead rep for the design completion teams.

Ecology asked for a brief description of the last bullet, update basis of design for safety classification regarding seismic analysis of vessels. ORP responded that one of the design completion teams is looking at the need for seismic upgrades and the classification of the vessels.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

The team will review the basis for the seismic classifications to ensure the right seismic criteria are implemented for the vessels. ORP pointed out that the current seismic criteria contain a fairly extensive set of internal modifications to the vessel, and the team will be reviewing whether those modifications are needed.

Ecology noted that the seismic requirements for design for G level and DOE standards have not changed, and asked what would drive a change in the design basis. ORP responded that the design basis probably would not change, but it is being reviewed. ORP added that the primary focus will be to evaluate whether the specifications that were established for the modifications are overly conservative. It was noted that some of the modifications are so extensive that they could create more stresses and create a hazardous working environment. ORP stated that another consideration for review is that by adding the complexity inside the vessel with more components, it interferes with the pulse jet mixing activities and reduces the mixing flow.

Ecology asked if the seismic design basis review is only for PT vessels. ORP responded that the primary focus is on the PT vessels. ORP offered to set up a more detailed briefing to Ecology. Ecology asked if the Independent Qualified Registered Professional Engineer (IQRPE) is aware of the seismic design review. ORP explained that at this point it is an evaluation of potential options and nothing has been changed, but if changes are to be made the IQRPE would be involved. Ecology indicated that this subject would be brought up during the meeting this afternoon with the lead rep for the design completion teams.

Issues - Oregon Department of Energy (ODOE) asked for clarification regarding the milestone status as ongoing with an asterisk. Ecology stated that the asterisk indicates that there is a question as to whether or not the milestone will be met. ORP stated that the asterisk and the verbiage in the issues sections of the CD monthly summary have been applied to all the PT and HLW milestones. ORP noted that all of the milestones for the WTP are under CD terminology, which differs from the TPA terminology for milestones.

High Level Waste

Significant Past Accomplishments - ORP reported that Bechtel was given permission to ship the melter offgas treatment process (HOP) fans from South Korea. The offgas fans are the first pieces of equipment under the Reliability Validation Process (RVP) hold that have been released.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

ORP stated that a review of Bechtel's resolution process on the RVP issues was done. Bechtel was on site in South Korea for about two weeks, and conducted a review of all the documentation to ensure there were no technical issues that would hold up shipment of the fans. The fans will be shipped when a vessel with a U.S. flag is available.

ORP stated that the HEPA filter contract for design/fabrication is being finalized. A contract is in place to test the HEPA filters at Mississippi State University (MSU). Ecology asked if the exterior configuration of the HEPA filters will be the same as the existing filters, but the beta testing will be on different media. ORP concurred, stating that the size of the filter will not change and the filter media components will fit into the existing equipment. Ecology asked when the HEPA filter testing will be completed. ORP estimated that the testing could be completed by this fall, but it is dependent upon when the design/fabrication contract is signed and when MSU can fit the testing into its schedule.

Significant Planned Actions in the Next Six Months - ORP reported that the RVP is nearing completion, and ORP is waiting for the final reports. All of the field work has been completed for Wave 1 of the RVP, and the reports are being finalized. ORP stated that a completed review of the fabrication of the TCO will probably be delayed if fabrication of the LAW TCOs is done by the same company. The LAW TCOs will take precedence over the HLW TCOs, and it will depend on the work capabilities in the shop.

Ecology inquired about the development of a plan to close technical issues in the effort to get HLW back on schedule by the end of this calendar year, and asked if there will be a list of the technical issues that will be incorporated into the plan. ORP responded that there will be a list, and that the design completion teams rep will discuss the list during the meeting scheduled later today. Ecology asked about a schedule for completing the plan for erosion/corrosion risk evaluation. ORP stated that the design completion teams rep could provide the status of the current plan during the meeting scheduled later today. Ecology asked if the action plan encompasses all of the efforts for the past year. ORP concurred, adding that initiation of the erosion/corrosion issue and plan was prior to the engagement of the design completion team, and the plan has been updated.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Ecology referred to the sixth bullet, complete draft analysis of single point failures in support of failure mode analysis, and asked if the analysis is planned to support the ongoing failure mode analysis reviews. ORP indicated that the analyses are the same. Ecology asked about the status of the plan to complete the draft analysis, noting that the plan should have been completed before the analysis was started. ORP noted it also has a concern regarding completion of the analysis before the plan is done. Ecology stated that these questions would be posed to the design completion teams rep during the meeting scheduled for later today and would include questions about how much of the initial analysis has been done and where the draft procedure is for conducting FMECA. ORP stated that if Ecology has any questions after Ecology meets with the design completion teams rep this afternoon, to communicate the questions to ORP for follow-up. Ecology expressed concern about the failure mode analysis process and the accuracy of some of the information. ORP noted that the final plan will undergo ORP and Ecology scrutiny. ORP added that additional resources are being engaged to drive the issues more effectively. Ecology asked if there is a list of deliverables that Bechtel is to meet. ORP stated that the design completion teams rep is working the list of deliverables on a daily basis.

Ecology raised another concern, stating that it is critical to have a nexus regarding the information from the RVP and technical completion teams, so that the parties ensure they have been informed by all of the technical issues as they move forward with design or design changes. ORP concurred, adding that most of the current discussions are regarding the up-front prep work and not the final decision for implementation documentation, which will eventually reach permitting action. ORP added that a lot of the data that is being collected will support the final engineering analysis.

Low Activity Waste Facility (LAW)

Significant Planned Actions in the Next Six Months - ORP noted that the first three layers of the refractory brick have been installed in Melters 1 and 2. The final layer consists of a thicker brick, and before that layer is placed, brick is being place up the melter walls, which is a slower process. ORP stated that the remaining planned actions are on schedule. ORP provided a status on the issue with the TCO due to the vendor bankruptcy. ORP is negotiating a new vendor proposal for the TCO. ORP noted that the vendor built the TCOs for HLW and the carbon bed for LAW. ORP added that when the final fabrication scope is received, which is based on a joint material

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

documentation review with Bechtel and the vendor, a delivery schedule can be established. ORP will continue to provide Ecology updates on the TCO status.

Ecology asked if there is a point at which ORP will make a decision about meeting the LAW construction substantially complete milestone by 12/31/14, given the issues regarding the TCO, uncertainty with funding, and the letter from the DOJ indicating that the milestone may not be met. Ecology noted that if the TCO contract is awarded in the September/October 2013 time frame, there would only be nine or ten months to get the TCO completely fabricated, QA inspected and approved, and then shipped and installed. ORP responded that there are three major issues that impact meeting the substantially complete milestone: 1) FY14 funding (see discussion under WTP); 2) the evaluation of the TCO inventory of equipment and documentation; 3) what effort will be required to get the equipment and documentation and completed fabrication into an NQA-1 status. Ecology stated that as soon as possible, it would be helpful to get a sense of whether or not there is a potential for recovery to meet the milestone. ORP acknowledged Ecology's concern, stating that communication will continue to the extent possible, and that ORP continues to move forward and work with Bechtel to achieve the milestone.

ORP stated that a second shift is being considered to start up by the end of July or early August 2013. A review of the work backlog is being done to determine which activities could be done more efficiently on the second shift. ORP noted that the TCO would not be included in the second shift work. The second shift is part of the ramping up of craft and nonmanual that is being done with the reprogramming funds. Ecology noted that the milestone for the three-year review of requirements of the CD is approaching, and the more information available for the review provides for better planning. ORP acknowledged Ecology's request for information, stating that it will continue to communicate the technical facts as they are understood.

Ecology inquired about the status of direct feed LAW. ORP responded that the decisional process is still being worked. ORP noted that direct feed LAW was one of the key points of discussion with the Secretary of Energy during his recent visit to the site. Ecology asked if the decisional process includes interim pretreatment by tankside. ORP responded that it is an integrated process that depends on whether the decision is made to start up a facility without PT. Ecology noted that direct feed LAW is a tank farms issue, and that the expectation is that integration is occurring between tank farms and WTP such that a full scale decision can be made about how to go forward.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

ORP stated that the discussions are occurring on an integrated nature, and all of the impacts need to be considered.

Balance of Facilities (BOF)

ORP stated that the priority focus is completing construction of the facilities and taking some key facilities through the initial startup and commissioning process. The construction efforts are primarily focused in the glass former storage facility and the chiller compressor plant, which are anticipated to be completed this calendar year. The startup and commissioning efforts are currently focused on Buildings 87 and 91. Building 87 provides the primary power supply from offsite, and Building 91 functions as a distribution center for power to the balance of facilities. The startup process is being conducted in two phases. The first phase will be the primary system checks, and the second phase will ensure that the facilities are turned over from construction and are ready to start up. Following the startup process, there will be an interim layup phase for a facility until the commissioning phase is started. The start of commissioning will bring in permanent plant power and the start of wetting the systems, and then final checks will be conducted as the facility is ramped up to operational standards.

Ecology asked if any hydrotesting will be done during the final phase. ORP responded that hydrotesting will be done as part of construction completion. Ecology inquired about the status of the emergency turbine generators (ETG). ORP responded that it is working through the commercial grade dedication (CGD) process for the ETG, and that biweekly meetings are held with Bechtel and the subject matter experts. Ecology asked if the plan is still to procure an off-the-shelf ETG. ORP responded that nuclear quality off-the-shelf generators are not built, and whatever is purchased will go through the CGD process. Ecology asked if a configuration for the ETG has been selected. ORP responded that it has been selected, and the company building the ETG has very good reliability. ORP added that it is ensuring that the proper pedigree and documentation are in place to support the ETG procurement and application in the specific environment at WTP.

Analytical Laboratory (LAB)

ORP provided an update on the LAB cathodic protection system. Installation was completed on the remainder of the system (rectifiers 6&7), and the startup and commissioning phases have been

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

initiated. The first phase of startup and commissioning was completed, and the system was de-energized for a one-week period. Several test stations have been installed around the site, and the purpose of the test coupon stations is to ensure the current at the pipe is what is expected, based on the impressed current that is being put into the ground. The system was allowed to stabilize, and it will be turned on and sit for about a month so the system can balance out. Following that period of time, data will be gathered at the regular test stations and the test coupon stations to evaluate what is seen in the piping versus what is seen in the test stations. The data will be used to determine if any design changes need to be made to the system. Ecology asked if ORP believed there were enough test stations to get a representative evaluation. ORP responded that test stations were put in areas that had problems, and the intent was to do a grouping of test stations to focus on those areas.

ORP noted a key point is that the system is now complete as far as the initial design and that it is installed. Ecology asked if the cathodic protection of the lines is turned on. ORP responded that the system is completely energized. Ecology asked if the system will remain running after the testing is completed. ORP responded that the majority of the system has been running since 2010. ORP stated that the testing is to try to ensure that the system will come up to operational standards and then stay within specification and continue as a balanced system. At that point the system can be certified by the Washington Administrative Code (WAC) and the National Association of Corrosion Engineers (NACE). Ecology asked how frequently the test stations will be charted. ORP responded that the charting has not started, but the current maintenance requirements are every six months. ORP stated that it has been moved up to three to four times per week, but the frequency for the test coupons hasn't been established. ORP agreed to provide Ecology a status when the planning is set up for charting the test stations.

Ecology inquired about any plans to inspect the pipes that have been installed to ensure they are in good shape. ORP responded that validation of the integrity of the piping is an aspect of getting the cathodic protection system balanced and operational. There will be a separate cut sheet that provides different methods for validating the integrity of the piping, and the validation will be done prior to performing the Operational Readiness Assessment (ORR) onsite. ORP stated that there is a technical path forward for the validation of piping that ORP and Bechtel are in agreement with. Ecology asked about a schedule for validating the integrity of the pipes. ORP responded that the system first has to get under control, and the schedule provides for validating pipe integrity

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

in 2014. ORP indicated that there is a six-month schedule for collecting data on the system, and subsequent to that, decisions will have to be made regarding any design changes to provide full protection as the construction process continues.

Ecology asked if the RLD vessel repairs are still on schedule for completion by the end of this calendar year. ORP indicated that the repairs are still on schedule, and will confirm that the schedule includes the test verification. Ecology asked if the vendor has looked at the vessels. ORP responded that the vendor conducted a scoping analysis over the past several months to determine the amount of repair work. Ecology asked if the extent of condition has been verified. ORP stated that the extent of condition has been verified from the subcontractor's perspective. ORP noted that there are additional areas of the vessels that the subcontractor is looking at as part of the vessels in general. Ecology asked if the piping to the vessels has been fabricated and installed. ORP responded that it has been installed, noting that that was part of the LAB substantially complete milestone. ORP noted that there was a specific piece of pipe in RLD vessel 164 that needed welding repair, and it won't be installed until the vessel repair is completed. ORP added that that piece of pipe was specifically noted in the LAB substantially complete milestone. ODOE asked when the vessel repairs will start. ORP responded that initiation of the repairs is imminent.

Ecology stated that in May 2013, an issue of concern was identified with the storage of pipe spools in the marshaling yard and the black cap/blue cap issue, and the procedures for cleaning the pipes was requested. Ecology noted that some documentation was received regarding the standards that should be applied, but the procedures have not yet been received. ORP responded that the understanding was the procedures had been provided, and it will follow up to ensure they are provided to Ecology.

Ecology raised another issue regarding the piping being exposed to rodents, infestation by insects, and exposure to dirt, snow and rain. Ecology added that there is a potential for chlorine-induced vessel load cracking, which could pose a serious problem, and asked if the pipes are fit for use. ORP responded that the pipes are fit for use, and it is ORP's responsibility to demonstrate that via a suite of actions and activities to ensure they are fit for use. Ecology asked if the activities are planned and/or under way. ORP responded that there are processes in terms of storage, material requirements, installation, installation inspections, startup, testing, and flushing, and those

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

processes are designed to ensure the cleanest system that can operate in the material condition. Ecology stated that it was not aware of the procedures. ORP stated its understanding that the procedures had been provided to Ecology, and will follow up to ensure that the procedures are provided. ORP noted that the chloride stress, corrosion and cracking is not applicable at standard temperatures, and that its waste processing facilities do not have a chloride-free system so the material selection is not similar to a power plant that would be careful about excluding chlorides. Ecology stated that the fact that chloride stress cannot happen at room temperature is inconsistent with data on the Internet. ORP stated that the parties will have an ongoing discussion regarding the procedures.

4.0 Key Documents List

An updated ORP key documents list was provided.

5.0 Upcoming Meetings

The July 2013 ORP TPA PMM is tentatively scheduled for July 23, 2013 from 9:00 to 11:30 a.m. in ORP room 1200.

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment A: Agenda, AR List, Agreement, Issues and Actions

(5 pages including this cover sheet)

ORP TPA Project Managers' Monthly Meeting
Tuesday, June 25, 2013
2440 Stevens Center Richland, Washington
Room 1200, 9:00AM-11:30AM

DRAFT AGENDA

1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record (see <http://www5.hanford.gov/arpir/?content=advancedSearch> - search EDMC File Number)

Item Description	TPA/CD Topic Milestone Tie	TPA Admin Record – EDMC File Number
Revision to RPP-9937 Rev 3B, SST Leak Detection and Monitoring Functions and Requirements Doc, TPA-CN-576	RPP-9937	1220784
TWRWP RPP-22393, Revision 6A, TPA Chg Notice 2013-05, signed 05/15/13	CD Tank Retrievals	1220771
Retrieval Completion and Report for Tank 241-C-109	CD Tank Retrievals	1220670
Submittal of TPA Target Date M-045-91D-01 Deliverables, ORP Letter 13-TF-0032, dated 05/21/13	M-045-91D-01	1220562
May 2013 ORP CD Monthly Report	All	1220483
May 2013 ORP TPA Monthly Report	All	1220482
Submittal of TPA Chg Pckg for M-045-91 Interim Milestones and Associated Target Dates, ORP Letter 13-TF-0044	M-045-91 series	In Process

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 July 2013 ORP TPA PMM meeting is tentatively scheduled for July 23, 2013 from 9:00-11:30AM at ORP Room 1200.

ORP/Ecology TPA and CD Agreements, Issues, and Actions for June 2013

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 Inner Tank Leak: A team comprised of experts from ORP, ECY, WDOH, and WRPS are evaluating a range of potential cumulative impacts (DST space/water balance, 242-A Evaporator, Waste Feed Delivery to WTP, risk readiness/contingency, etc.) with follow-on topic meetings to be held with close involvement of ORP and ECY Senior Management as information becomes available for evaluation.
3. T-111 and Other Single Shell Tank Decreases in Liquid Level: The Department of Energy has determined based on data gathered through the single shell tank monitoring program that there are six tanks at the Hanford site in eastern Washington State, including the one announced last week, that show declining levels of fluid. There is no immediate public health risk. The Department is working with the State of Washington and other key stakeholders to address the issues associated with these tanks.
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.

Actions:

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
Tank Farms Actions					
TF-13-05-04	05/16/13	ORP will set up a meeting with ECY to discuss direct feed LAW and TF support (with TF/WTP Integration POCs)	Open.	Tom Fletcher	
TF-13-05-03	05/16/13	ORP will set up a meeting with ECY to discuss the SSTs for chemistry effects/changes on liners based on current inspection data.	Open.	Jeremy Johnson / Billie Mauss	

ORP/Ecology TPA and CD Agreements, Issues, and Actions for June 2013

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
TF-13-05-02	05/16/13	ORP will set up a meeting with ECY to discuss chemistry in DSTs, including surface and layer sampling and chemistry control processes.	Open.	Jeremy Johnson	
TF-13-05-01	05/14/13	ORP will provide two DQOs to ECY (Mike Barnes) for a Solubility Model and Tank C-112 Hard Heel Dissolution	Open.	Billie Mauss	
TF-13-04-01	04/23/13	ECY would like to gain a better understanding of the WFD pulse jet mixing change request for implementation of DNFSB 2010-2.	Open.	Steve Pfaff	
TF-13-03-05	03/26/13	ECY would like ORP to provide a table outlining the previous DST Core Sampling done for AY/AZ/SY tanks, their sampling spec results, and any follow-up actions (i.e. chemicals added to maintain DST Acceptance criteria).	Open. ORP provided tables of sampling efforts.	Billie Mauss	
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.	Open. ORP provided a draft change package for these milestones on 02/12/13. Comments were received on 05/09/13.	Steve Pfaff	
TF-13-03-03	03/26/13	ORP will meet with ECY to discuss M-045-82 regarding work on the Tier 1, 2, 3 submittal for WMA C.	Open.	Chris Kemp	
TF-13-02-04	02/21/13	ECY has requested a meeting with ORP to discuss the on-going efforts and studies for the potential direct-feed of the WTP-LAW facility.	Open. This item will need to be carried as a TBD as information is still in development and under a pre-decisional, non-disclosure agreement.	Chris Harrington / Janet Diediker	
TF-13-02-03	02/21/13	ECY would like to meet with ORP in March to discuss work on the WMA C PA and other options for M-045-61/-62. <u>Update:</u> ORP met with ECY on 03/14/13 and 05/13/13, and 05/16/13.	Open. Talks between the PMs are on-going.	Chris Kemp	

ORP/Ecology TPA and CD Agreements, Issues, and Actions for June 2013

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
TF-13-02-01	02/19/13	ECY would like to be added to the Groundwater Quarterly Monitoring Report distribution list (and on the list located on the report itself) and be notified of the months when groundwater sampling is scheduled to occur for the seven Tank Farms WMAs.	Open. ECY has been added to the distribution list. DOE is working to transmit the last two GW reports and provide GW sampling notifications.	Chris Kemp / Doug Hildebrand	
TF-12-12-03	12/20/12	ORP will complete the updates on the draft SST Integrity TPA change package and meet with ECY to discuss.	Open. ORP sent letter 13-TF-0044 to ECY on 06/24/13 with a signed TPA Chg Pckg.	Jeremy Johnson	
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	
TF-12-10-02	10/10/12	Per M-045-56 annual meeting: Set meeting with site water purveyor to address leak detection and testing in active water lines.	Open. ECY has provided questions for the water purveyor. ORP sent a response email to ECY on 05/14/13 and will set up a meeting to discuss.	Chris Kemp	
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					
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.	Jeff Bruggeman	
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	
WTP-13-02-02	02/21/13	ORP will meet with ECY to discuss the schedule and status of RLD Vessels 163 and 164 welding rework.	Open.	Jason Young	
WTP-13-02-01	02/21/13	ORP will meet with ECY to discuss the PT and HLW facility maintenance program.	Open.	Wahed Abdul	
WTP-13-01-01	01/22/13	ORP will get back to ECY on a briefing to discuss the LAB cathodic protection issue.	Open.	Jason Young	

ORP Project Managers Meeting
June 25, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment B: List of Attendees

(3 pages including this coversheet)

Sign In Sheet
ORP TPA Project Managers' Monthly Meeting
June 25, 2013

NAME	ORG	PHONE
Rob Biber	MSA TPA	373-3285
Jeff Rambo	ORP TPD	376-4497
Mike Barnes	ECY	372-7987
Joni Grundstaf	DOE-ORP	376-6202
Jeff Luke	WRPS	376-8629
Susan Eberlein	WRPS	372-1689
Steve Pfaff	ORP	376-2188
Dan McDonald	ECY	372-7988
Stacy Simat	ODOE (SA)	963-0853
Barry Curn	WTP	371-2791
Felix Miera	WRPS	376-7034
Reed Kaldor	MSA	372-1992
Jim Alzheimer	ECOLOG	372-7982
Nancy Uzemb	Ecology	372-7928
Jeff Luke	WRPS	549-996
R Douglas Aldebrand	DOE	373-9626
Kathleen Higgins	ORP	376-3658
Chris King	ORP	373-0649
Jeremy Johnson	ORP	376-1866
Loi Huffman	ORP	376-1104
Delmar Noyes	ORP	376-5166
Bryan Trimmer	ORP	376-2674

ORP Project Managers Meeting
June 25, 2013
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
(3 pages)**

(42 pages including this coversheet)

FINAL

Office of River Protection
Tri-Party Agreement
Monthly Summary Report
June 2013



**Office of River Protection
Tri-Party Agreement Milestone Review**

June 2013 (Monthly Summary Report/Project EVMS reflects April 2013 information)

Page	Topic	Leads
1	Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon
2	System Plan; M-62-40	DaBrisha Smith / Jeff Lyon / Dan McDonald
3	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald
4	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald
5	242-A Evaporator Status	Ron Koll / Jeff Lyon
6	SST Integrity Assurance; M-45-91	Jeremy Johnson/ Michelle Hendrickson
7	In Tank Characterization and Summary	Billie Mauss / Michael Barnes
9	Tank Operations Contract (TOC) Overview	Kathy Higgins / Jeff Lyon
14	Single-Shell Tank Corrective Action; M-45, -50, -60	Chris Kemp / Jeff Lyon
15	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 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	WTP Overall TPA Summary and Milestone Status, *see the June 2013 ORP 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 2013				
M-045-20	Submit Interim Measures Investigation Work Plan and TPA Chg Pckgs for M-045-22 Target Dates	12/31/2012	12/06/2012	Completed
M-090-11	Comp. Neg's No More Than 2 Canister Storage Fac. Const. Int. M/S	12/31/2012	11/19/2012	Completed
M-062-01Z	Submit Semi-Annual Project Compliance Report	1/31/2013	1/31/2013	Completed
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	1/31/2013		Missed
M-045-21	Submit Sampling and Analysis Plan for 241-TX Tank Farm	3/31/2013	3/11/2013	Completed
M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	5/31/2013	5/21/2013	Completed
M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	5/31/2013	5/02/2012	Completed
M-045-91F-T02	Provide Report of Liner Failures for SSTs	7/31/2013		To Be Missed
M-062-01AA	Submit Semi-Annual TPA Project Compliance Report	7/31/2013		On Schedule
M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	7/31/2013		To Be Missed
M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	9/30/2013		On Schedule
M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	9/30/2013		To Be Missed
Fiscal Year 2014				
M-045-91G-T04	Provide AOR Final Doc. for SSTs on 55,000 Gallon Tanks	10/31/2013		To Be Missed
M-062-40C	Select a Minimum of Three Scenario's for the System Plan	10/31/2013		On Schedule
M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/2013		To Be Missed
M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/2014		To Be Missed
M-045-56J	Ecology And DOE Agree, At A Minimum, To Meet Yearly (By July)	07/31/2014		On Schedule
M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	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		On Schedule
M-090-13	CD-1 for Interim Hanford Storage Project and CR for CD-2 to ECY	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-045-61	Phase 2 RCRA Facility Investigation/Corrective Measures Study	12/31/2014		To Be Missed

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2015 Continued				
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-045-62	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
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

System Plan

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan,
Due: 10/31/2013, Status: On Schedule

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP,
Due: 10/31/2014, 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: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

Prepared initial plans for System Plan Rev. 7 scenario definition kickoff meeting that was held on 06/10/2013.

Significant Planned Actions in the Next Six Months:

ORP and Ecology will jointly begin defining the System Plan 7 scenarios in the July-August 2013 time frame. A series of preparatory meetings are planned for June to lay the groundwork for defining scenarios starting in July. The defined scenarios milestone (M-062-40C) is due on 10/31/2013.

Issues:

None.

Acquisition of New Facilities

M-090-13, Submit CD-1 for Interim Hanford Storage Project and TPA Change Request for CD-2 to Ecology, Due: 09/30/14, Status: On Schedule. Created by TPA Change Control Form M-90-12-02, signed by ORP and Ecology on 11/19/12, 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 IHLW, Due: 12/31/2019, Status: On Schedule

M-047-07, Submit CD-1 for Secondary Liquid Waste Treatment and CR for CD-2 to Ecology, Due 09/30/14, Status: On Schedule. Created by TPA Change Control Form M-47-12-02, signed by ORP and Ecology on 11/19/12, 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 WTP, Due: 12/31/2022, Status: On Schedule

Significant Past Accomplishments:

On November 19, 2012, Ecology and ORP signed TPA Change Control Forms M-47-12-02 and M-90-12-02 establishing M-047-07 and M-090-13, respectively. ORP letter 12-ECD-0225 notified Ecology of completion of milestones M-047-06 and M-090-11.

Significant Planned Actions in the Next Six Months:

None.

Issues:

None.

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 2nd LAW, Due: 10/31/2014, Status: On Schedule.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015, 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: 4/30/2015, Status: On Schedule.

M-062-31-T01, Complete final design and submit RCRA Part B permit mod request, Due: 4/30/2016, Status: On schedule

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2018, Status: On schedule

M-062-33-T01, Complete construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2021, Status: On schedule

M-062-45XX, No later than 12/31/2021, 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: 12/31/2021, Status: On Schedule

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility and/or WTP enhancements, Due: 12/30/2022, Status: On schedule

M-062-21, Annually, submit data that demonstrates operation of the WTP, Due: 2/28/2023, Status: On Schedule

M-062-00, Complete Pretreatment Processing and Vitrification of HLW and LAW Tank Wastes, Due: 12/31/2047, Status: On Schedule

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

At the January 2013 TPA PMM meeting, ORP stated DOE and Ecology are currently in discussions to move out the due dates for M-062-40ZZ and M-062-45ZZ (current due dates 10/31/2014 and 4/30/2015, respectively).

ORP provided a draft change package for these milestones on February 12, 2013. Ecology provided comments on May 9, 2013. ORP is vetting these internally for response.

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 FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 6, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	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.
FY10	10-02	AW-106	AW-106	Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY11	NA	NA	NA	No campaign conducted in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	NA	NA	NA	No campaign conducted in FY12 due to ongoing 242-A and Tank Farm facility upgrades and revision to the 242-A Documented Safety Analysis (DSA).
FY13	13-01	AP-107	AP-107	Estimated start late September 2013. Requires two (2) passes to achieve waste volume reduction.
FY13	13-02	AW-106	AP-107	Estimated start late October 2013.
FY14	14-01	AN-106 AZ-102 AW-106	AP-103	Estimated start June 2014.
FY15	15-01	AY-101 AZ-102	AP-103	Estimated start July 2014
FY15	15-02	AY-101	AP-103	Estimated start March 2015

SST Integrity Assurance

M-045-91F-T01, Provide to Ecology as a HFFACO secondary document a report evaluating the applicability to Hanford SSTs of the liquid leak rate assessments of sludge and salt-cake from the Savannah River Site, Due: 1/31/2013, Status: Missed. See issues below.

M-045-91D-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis performed on the concrete dome samples obtained from the Tank C-107 plug, Due: 5/31/2013, Status: Completed 05/21/2013. (ORP letter 13-TF-0032).

M-045-91F-T02, Provide to Ecology as a HFFACO 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: 7/31/2013, Status: To Be Missed. See issues below.

M-045-91F-T04, provide to Ecology, as a HFFACO secondary document, a report on the 100-series single-shell tanks which have been or will be identified as having leaked in RPP-32681, Rev 0, Due: 7/31/2013, Status: To Be Missed. See issues below.

M-045-91G-T03, Provide to Ecology the Structural Analyses of Record final documentation for SSTs for 1,000,000 gallon tanks (A, AX and SX Farms), Due: 9/30/2013, Status: To Be Missed. See issues below.

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, 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: 10/31/2013, Status: To Be Missed. See issues below.

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 -T04, Due: 12/31/2013, Status: To Be Missed. See issues below.

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: To Be Missed. See issues below.

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 alternate tank, Due: 9/30/2014, 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 milestones to date, Due: 7/31/2015, Status: On schedule.

M-045-91I, Provide to Ecology an 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: 9/30/2018, Status: On schedule.

Significant Past Accomplishments:

- Completed M-045-91D-T01 for analysis of rebar from C-107 (see ORP letter 13-TF-0032).

Significant Planned Actions in the Next Six Months:

- Conclude discussion with Ecology regarding “To Be Missed” target dates and interim milestone impacts and submit the agreed-upon TPA Change Package for approval.

Issues:

FY2012 and FY2013 funding constraints have impacted M-045-91 scheduled work. ORP has met with Ecology to discuss impacts on individual milestones and targets dates for FY2013 and beyond per the TPA Section 12.0 Change Process. Ecology’s initial comments on a draft TPA Change Request were incorporated, and ORP has provided this updated draft to Ecology for review. Following this initial review, and as a result of sequestration, additional impacts to SST integrity work were identified. ORP re-evaluated the change package and provided an updated draft to Ecology for any additional comments before finalizing.

In Tank Characterization and Summary

For the period from May 1 – May 31, 2013:

Accomplishments:

- Completed RPP-PLAN-54804, *Rev. 1, Tank 241-AY-101 Grab Sampling and Analysis Plan.*
- Completed RPP-54750, *Rev. 0, C-112 Hard Heel Dissolution Data Quality Objectives.*
- Completed RPP-SPEC-33590, *Rev. 1, Data Quality Objectives for the Evaluation of Stack Chemical Emissions.*
- Completed RPP-RPT-55211, *Rev. 0, Data Assessment Report for the Solids in the Annulus of Double-Shell Tank 241-AY-102.*
- Completed RPP-RPT-44814, *Rev. 11, Derivation of Best-Basis Inventory for Tank 241-AN-101 as of April 1, 2013.*
- Completed RPP-RPT-54440, *Rev. 1, Derivation of Best-Basis Inventory for Tank 241-C-101 as of April 1, 2013.*
- RPP-RPT-55060, *Rev. 0, Final Report for Tank 241-AN-101 Grab Samples Taken at 241-C-101 Midretrieval in Support of Corrosion Mitigation and Compatibility*, was released on May 13, 2013.
- Completed ORSS sampling of tank 241-C-109 on May 9, 2013 per RPP-PLAN-53814, *ORSS Sampling and Analysis Plan for Waste Solids in Tank 241-C-109 to Support Tank Closure.* Nine samples were collected.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-AY-101 grab sampling for chemistry control is currently scheduled for May 2013.
 - Tank 241-AN-102 grab sampling for chemistry control is currently scheduled for July 2013.
 - Tank 241-C-112 grab sampling during hard heel dissolution is currently scheduled for July 2013.
 - Tank 241-C-107 ORSS sampling is currently scheduled for July 2013.
- BBI Updates
 - The following tanks have been identified for updates in FY13 Quarter 3. The BBI updates will be released in July 2013 except for tanks 241-AN-101 and 241-C-101 that were released in May.
 - 241-AN-102
 - 241-AN-106
 - 241-AP-107
 - 241-AW-102
 - 241-AW-103
 - 241-AW-106
 - 241-AY-101
 - 241-SY-102
- Data Quality Objectives (DQO)
 - A DQO on a Solubility Model is due to be released in July 2013.
 - A revision to the Tank Farms Waste Compatibility Program DQO is due to be released in June 2013.

Issues:

None.

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

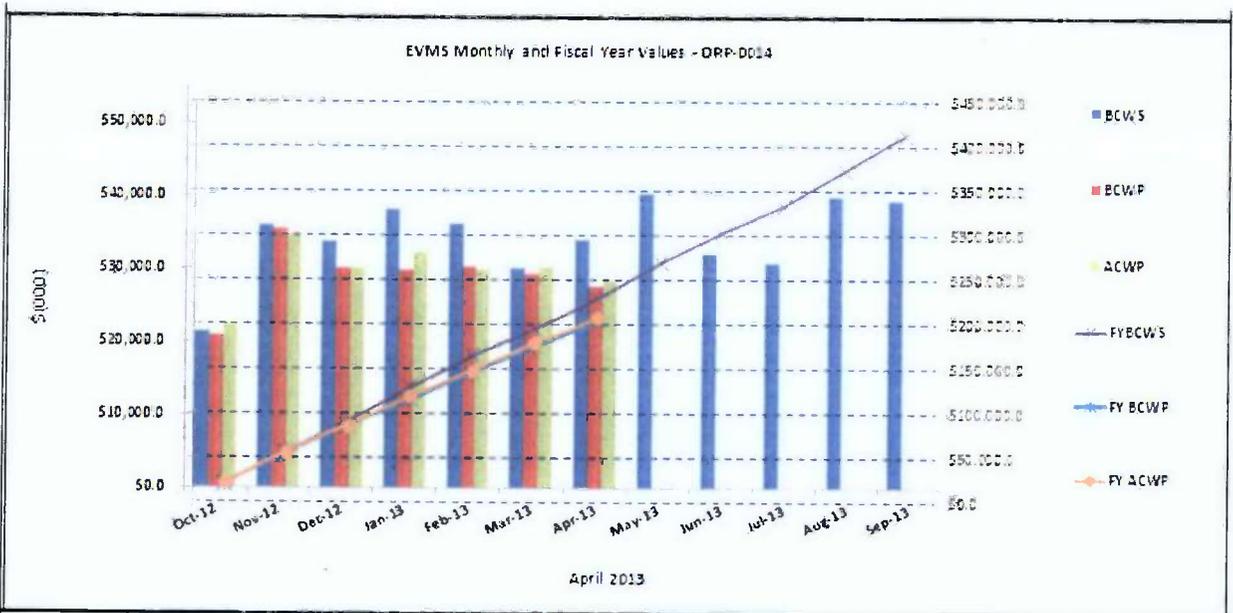
Project Performance

The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones.

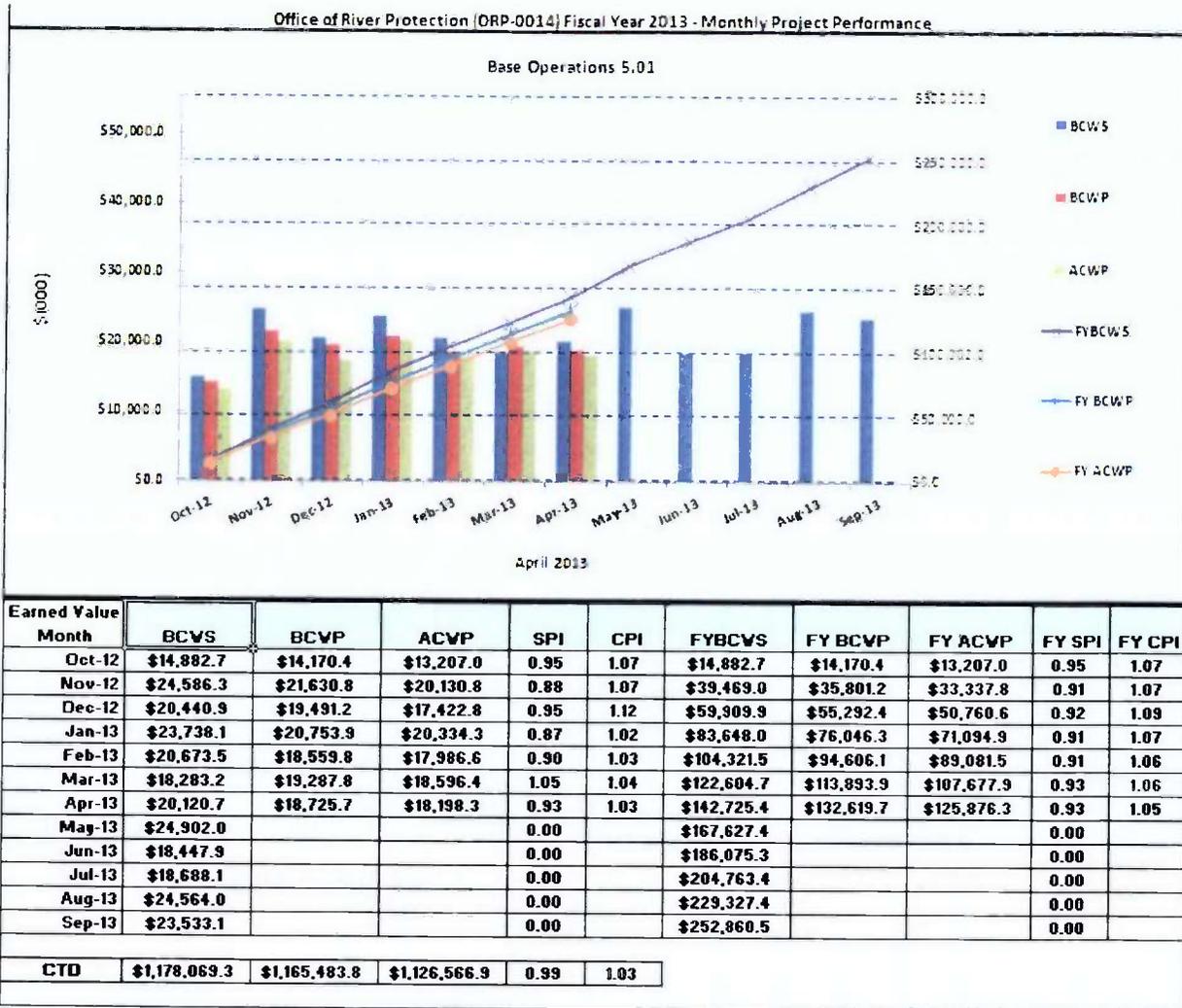
As of April 30, 2013, Washington River Protection Solutions LLC (WRPS) worked 142,670 hours (15 days) without a Lost Time Workday Injury and (15 days) without a recordable case.

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	33,934.0	27,671.7	28,393.7	(6,262.3)	(722.0)	0.81	0.97			
FYTD	229,363.8	203,265.6	207,775.3	(26,098.2)	(4,509.7)	0.88	0.98	411,626.0	358,840.9	52,784.8
CTD	1,833,463.8	1,802,141.8	1,732,920.9	(31,322.0)	69,220.9	0.98	1.04	7,015,162.4	6,932,162.6	82,999.8

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 Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$21,350.5	\$20,911.7	\$22,382.9	0.98	0.93	\$21,350.5	\$20,911.7	\$22,382.9	0.98	0.93
Nov-12	\$35,910.8	\$35,319.2	\$34,775.1	0.98	1.02	\$57,261.3	\$56,230.9	\$57,158.0	0.98	0.98
Dec-12	\$33,795.4	\$30,044.9	\$29,940.1	0.89	1.00	\$91,056.7	\$86,275.8	\$87,098.1	0.95	0.99
Jan-13	\$38,179.6	\$29,766.1	\$32,202.8	0.78	0.92	\$129,236.3	\$116,041.9	\$119,300.9	0.90	0.97
Feb-13	\$36,167.5	\$30,290.9	\$29,773.7	0.84	1.02	\$165,403.8	\$146,332.8	\$149,074.6	0.88	0.98
Mar-13	\$30,026.2	\$29,261.1	\$30,306.9	0.97	0.97	\$195,430.0	\$175,593.9	\$179,381.5	0.90	0.98
Apr-13	\$33,933.7	\$27,671.7	\$28,393.7	0.82	0.97	\$229,363.7	\$203,265.6	\$207,775.3	0.89	0.98
May-13	\$40,249.6			0.00		\$269,613.3			0.00	
Jun-13	\$32,099.4			0.00		\$301,712.7			0.00	
Jul-13	\$30,696.6			0.00		\$332,409.3			0.00	
Aug-13	\$39,898.9			0.00		\$372,308.2			0.00	
Sep-13	\$39,317.3			0.00		\$411,625.5			0.00	
CTD	\$1,833,463.8	\$1,802,141.8	\$1,732,920.9	0.98	1.04					



Base Operations

Schedule Variance (\$1,395.0)

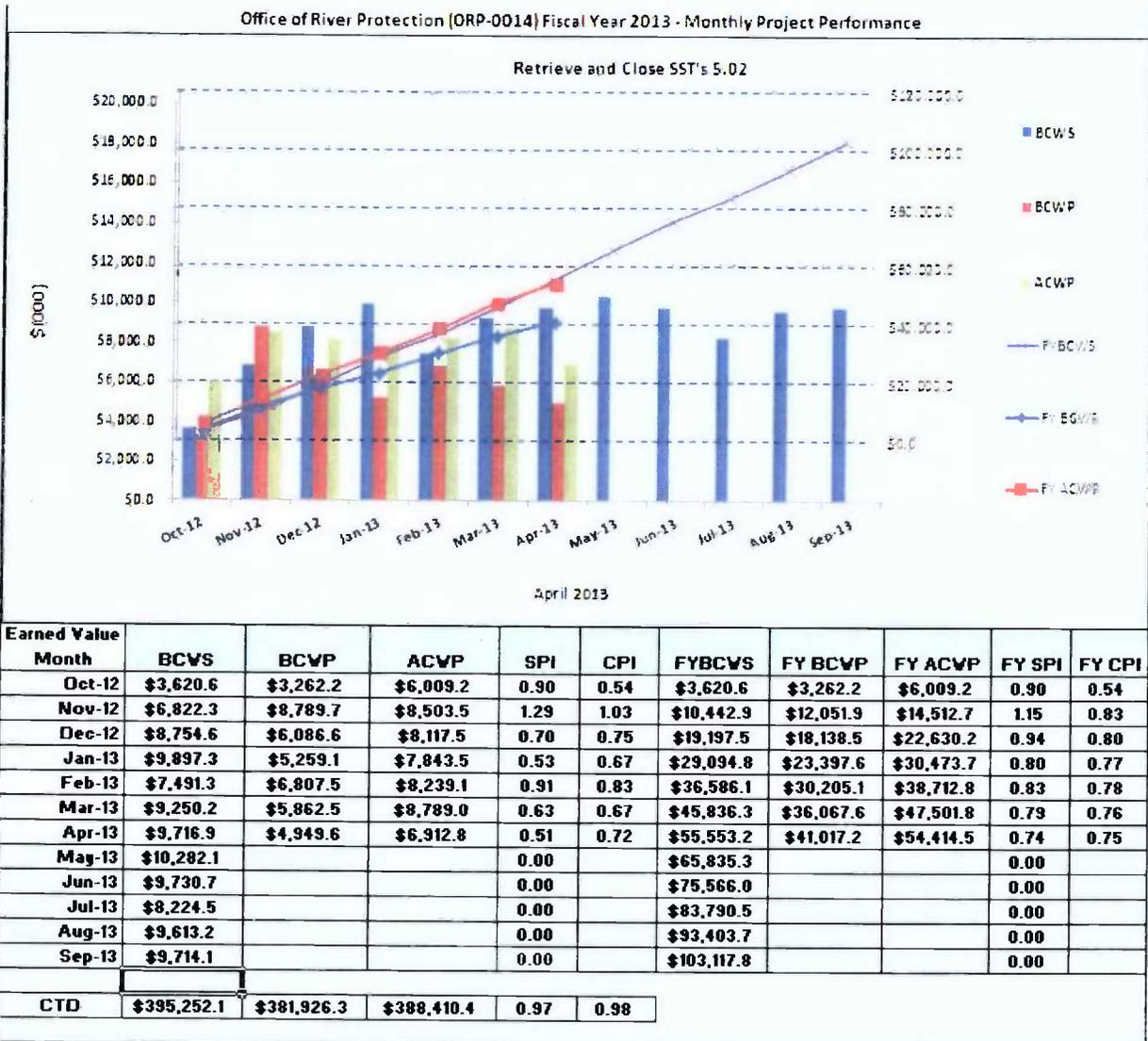
The unfavorable schedule variance is primarily due to:

- Delays to the SST Sidewall Coring Project due to sequestration
- Delays of SST Type IV Analysis of Record due to sequestration
- SST Benchmark Repairs sequestration
- DST Infrastructure due to continuing resolution
- DST Technical Analysis due to continuing resolution

Cost Variance \$527.4K:

The favorable cost variance is primarily due to:

- Deferral of AY/AZ Infrastructure Upgrades work scope being deferred due to the AY-102 leak assessment.



Retrieval and Close Single-Shell Tanks

Schedule Variance (\$4.767K):

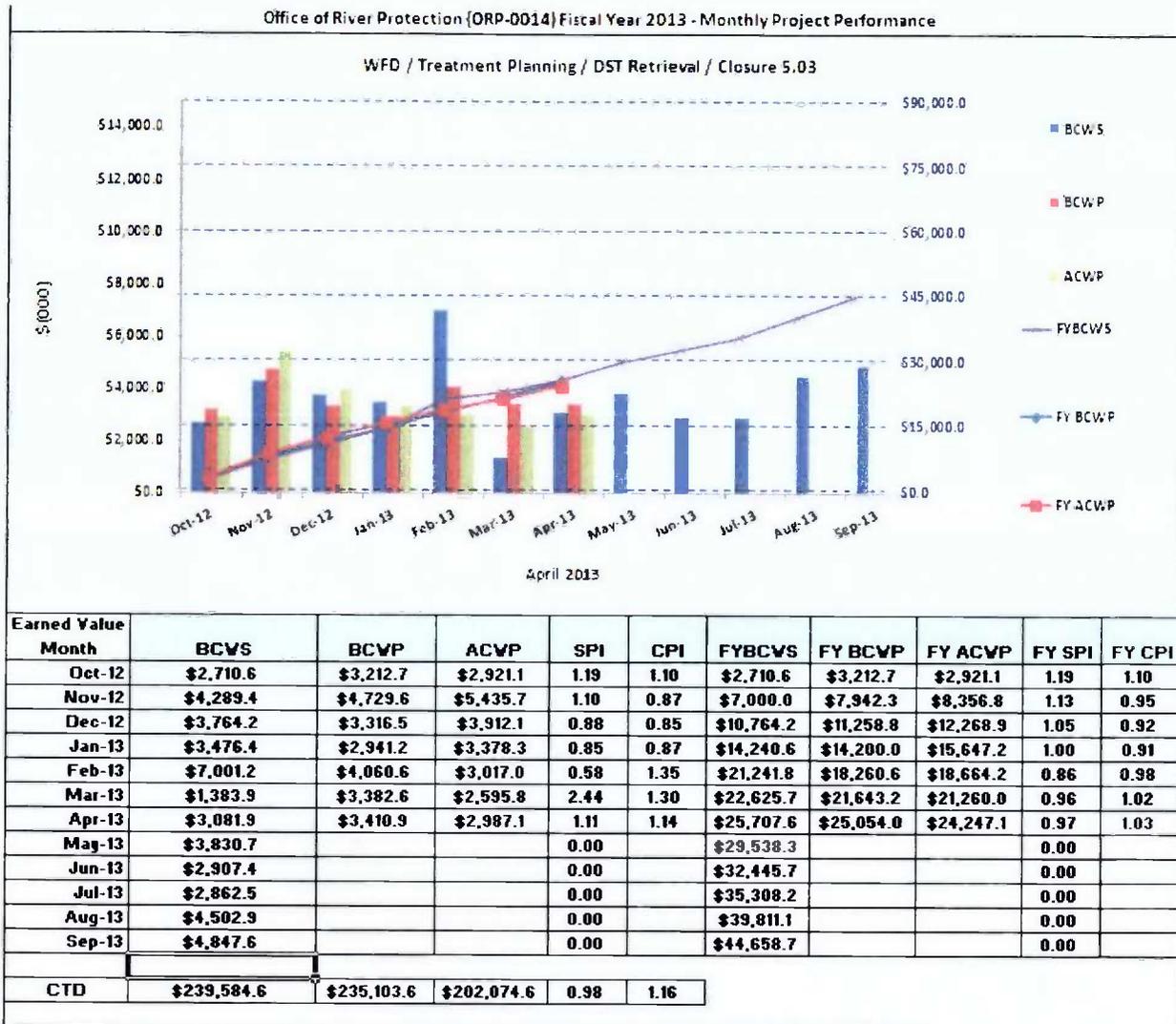
The unfavorable schedule variance is primarily due to:

- C-102 no longer being retrieved in parallel with C-101 due to a required shift in labor resource skills.
- C-105 dome cut and MARS Vacuum installation due to the DPO.
- C-110 retrieval delays due to bump and roll of operations.
- C-111 design of the Hard Heel Retrieval System due to DST Deep Bed sludge issues.
- C-112 design delays.

Cost Variance (\$1.963K):

The unfavorable cost variance is primarily due to:

- Additional resources required to complete retrieval of C-101.
- Additional resources and material required for single-shell tank C-110 retrieval activities.
- Additional field and operations crews needed to perform conduit installation.
- Higher costs required to resolve issues with the MARS-V system.



Waste Feed Delivery/Treatment/DST Retrieval Closure

Schedule Variance \$329K:

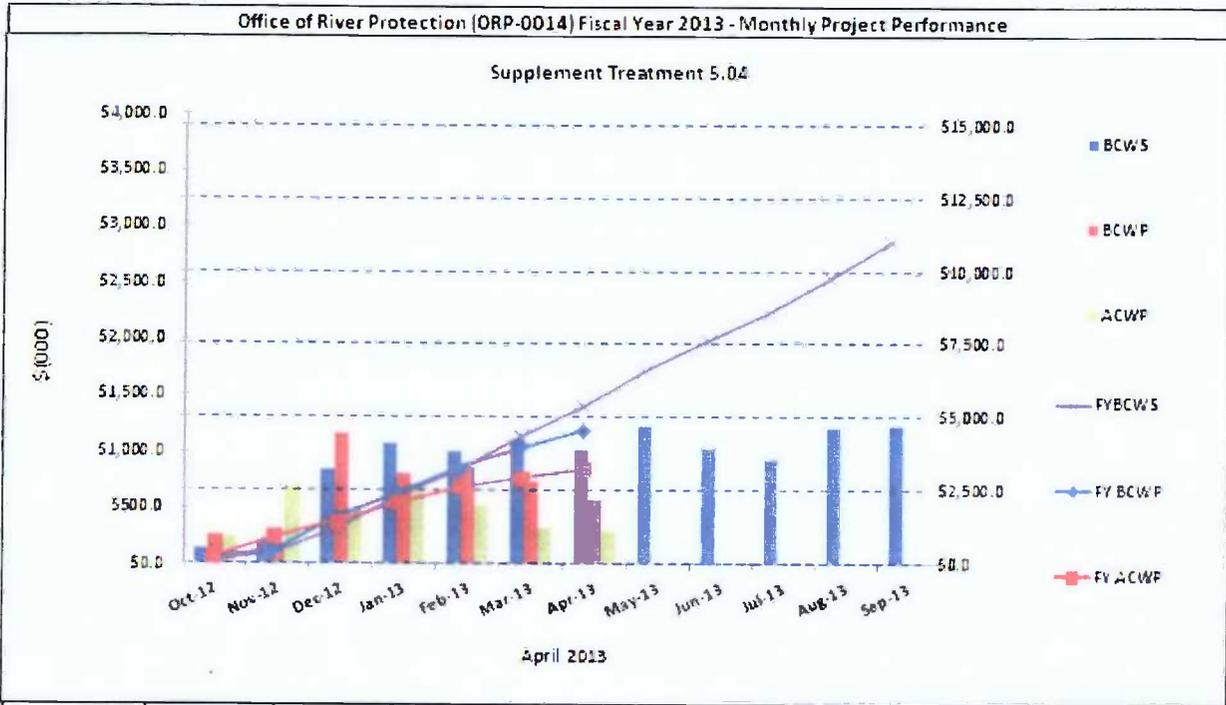
The favorable schedule variance is primarily due to:

- Schedule recovery of solids accumulation testing on the small-scale demonstration platform.

Cost Variance \$424K

The favorable cost variance is primarily due to:

- Less resources required for the RPP System Plan Rev. 6 addendum



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$136.6	\$266.4	\$245.6	1.95	1.08	\$136.6	\$266.4	\$245.6	1.95	1.08
Nov-12	\$212.9	\$169.2	\$705.1	0.79	0.24	\$349.5	\$435.6	\$950.7	1.25	0.46
Dec-12	\$835.7	\$1,150.7	\$487.7	1.38	2.36	\$1,185.2	\$1,586.3	\$1,438.4	1.34	1.10
Jan-13	\$1,067.8	\$811.9	\$646.8	0.76	1.26	\$2,253.0	\$2,398.2	\$2,085.2	1.06	1.15
Feb-13	\$1,001.5	\$863.0	\$531.0	0.86	1.63	\$3,254.5	\$3,261.2	\$2,616.2	1.00	1.25
Mar-13	\$1,108.8	\$728.1	\$325.8	0.66	2.23	\$4,363.3	\$3,989.3	\$2,942.0	0.91	1.36
Apr-13	\$1,014.3	\$585.5	\$295.5	0.58	1.98	\$5,377.6	\$4,574.8	\$3,237.4	0.85	1.41
May-13	\$1,234.8			0.00		\$6,612.4			0.00	
Jun-13	\$1,013.5			0.00		\$7,625.9			0.00	
Jul-13	\$921.5			0.00		\$8,547.4			0.00	
Aug-13	\$1,218.8			0.00		\$9,766.2			0.00	
Sep-13	\$1,222.5			0.00		\$10,988.7			0.00	
CTD	\$18,434.7	\$18,314.5	\$15,247.8	0.99	1.20					

Supplemental Treatment

- Nothing to report.

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-20, Submit Interim Measure Investigation Work Plan to Ecology, Due: 12/31/12, Status: Completed on 12/06/12. Comments have been resolved and the revised Work Plan and final TPA change package were transmitted to Ecology via 13-TF-0014. Ecology approved the Work Plan via 13-NWP-030 on 03/27/13 and provided a signed TPA change package to ORP for M-045-22 and its associated target dates on 04/01/13.

M-045-21, Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation, Due: 03/31/13, Status: Completed on 03/11/13. The Sample Analysis Plan was finalized and was transmitted to Ecology via ORP letter 13-TF-0013 on 03/11/13. Ecology provided comments in the April TPA PMM, and these comments were addressed in the revised Sample Analysis Plan transmitted to Ecology via ORP letter 13-TF-0039 on 05/30/13.

M-045-22, Review M-045-22-T03 Report and Determine Path Forward, Due: 09/30/2014 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 remaining work in Milestone M-045-92 should be modified. ORP submitted TPA change package M-45-12-05 adding dates for M-045-22 and its targets with the revised Work Plan via letter 13-TF-0014. Ecology approved the TPA change package on 04/01/13.

M-045-22-T01, Submit Results of Vadose Zone Characterization of 241-TX to Ecology, Due: 09/30/2014 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: 04/30/2014 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: 07/31/2014 based on M-045-20 TPA Change Package M-45-12-05, Status: On Schedule.

M-045-56I, Complete Implementation of Agreed to Interim Measures, Due: 07/31/13, Status: On Schedule The annual meeting has been scheduled for June 12, 2013.

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 WMAs (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, 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 C, Due: 12/31/2014, 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: 06/30/2015, 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: 09/30/2017, 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: 10/31/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3 Due: 06/30/15, 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 test site was selected for the pore water extraction test south of SX farm under the M-045-20 work plan.
- The Sample Analysis Plan for 241-TX Farm was transmitted to Ecology via ORP letter 13-TF-0013 on 03/11/13.
- Direct push of 4 boreholes near the C-200 tanks has been completed. The boreholes are being logged, and will be decommissioned to place deep electrodes for resistivity evaluations.
- The TY Interim Surface Barrier Monitoring Plan was revised per approved TPA Change Notice 2012-09.
- Set-up of the electrodes in U farm for electrical resistivity characterization was completed, and data collection started.

Significant Planned Actions in the Next Six Months:

- Provide a summary report of the 2012 T and TY barrier monitoring data.
- Initiate direct push field work in TX farm under the M-045-20 work plan.
- Complete electrical resistivity field work in U farm under the M-045-20 work plan.
- Complete direct push field work near the C-200 tanks per the WMA C Phase 2 RFI/CMS Work Plan.
- Perform electrical resistivity field work near the C-200 tanks per the WMA C Phase 2 RFI/CMS Work Plan.
- Hold the annual M-045-56 meeting on Interim Measures.

SST Retrieval and Closure Program

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due: 9/30/2015 Status: To Be Missed. Please see Issues.

M-045-84, Complete negotiations of TPA interim MS for closure of second WMA, Due: 1/31/2017, Status: On Schedule

M-045-83, Complete the closure of WMA C, Due: 6/30/2019, Status: On Schedule

M-045-85, Complete negotiations of TPA interim MS for closure of remaining WMAs, Due: 1/31/2022, Status: On Schedule

M-045-70, Complete waste retrieval from all remaining SSTs, Due: 12/31/2040, Status: On Schedule

M-045-00, Complete Closure of all Single Shell Tank Farms, Due: 1/31/2043, Status: On Schedule

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: TBD (12 months after retrieval certification), Status: On Schedule. The CD Retrieval Completion Certification for SST Tank C-104 was sent to Ecology on 03/21/13 via ORP letter 13-TF-0018.

Significant Past Accomplishments:

- Completed post-retrieval sampling, analysis and reporting of results for tank C-108 in support of the M-045-86 retrieval data report.
- Completed post-retrieval spectral gamma logging of drywells near C-108 in support of the M-045-86 retrieval data report.
- Completed post-retrieval sampling of tank C-104 in support of the M-045-86 retrieval data report.
- Completed post-retrieval sampling of tank C-109 in support of the M-045-86 retrieval data report.
- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

- Continue analysis of the post-retrieval samples from tank C-104.
- Continue analysis of the post-retrieval samples from tank C-109.
- Issue a Retrieval Data Report for C-108.
- See discussions above and related discussions in Consent Decree report.

Issues:

The WMA-C performance assessment (PA) was not funded at the beginning of fiscal year 2013. ORP has reported previously that the WMA-C PA would need to be funded by March 31, 2013 in order to maintain milestone schedule. Although funding of the WMA-C PA is now expected in June, TPA Milestones M-045-61, M-045-62, and M-045-82 are still To Be Missed.

ORP began discussions with Ecology about a TPA project manager-level agreement to determine an alternative path forward for M-045-61 and M-045-62 on 03/14/13. ORP has provided a draft TPA project manager agreement to Ecology for their review and approval.

ORP and Ecology will meet separately to discuss TPA milestone M-045-82 for the Tier 1, 2, and 3 WMA C SST closure submittal. ORP and Ecology will discuss impacts to this work scope and the potential for a Tier 1 submittal.

Tank Waste Retrieval Work Plan (TWRWP) Status

Tank	TWRWP	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520, Rev. 7	Complete	MRS (per 10/7/10 agreement, to be Modified Sluicing)	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	MARS-High Pressure Water	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-High Pressure Water	-
C-108	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-109	RPP-21895, Rev. 5	Complete	Modified Sluicing	Chemical Dissolution	-
C-110	RPP-33116, Rev. 2	Complete	Modified Sluicing	Mechanical Waste Conditioning	High Pressure Water
C-111	RPP-37739, Rev. 1	In process	Modified Sluicing	None	-
C-112	RPP-22393, Rev. 6A	In process	Modified Sluicing	Chemical Dissolution	-

Significant Accomplishments:

- Modification notice 2013-05 for TWRWP RPP-22393 was approved by ORP and Ecology allowing the High Resolution Resistivity system to be used for C-102 leak detection. Prior to the modification, weekly moisture logging was required when not in active retrieval because of high interstitial liquid levels. The change now allows the TOC to do 30 days of HRR monitoring once per quarter rather than weekly moisture logging.

Significant Planned Activities in the Next 6 Months:

- Work with Ecology on update to TWRWP RPP-37739 for C-111.

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 Six Months:

Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A Request for Additional Information (RAI) 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: 9/30/22 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 09/30/2022.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: 9/30/22, Status: On schedule. Updated with tank A-103 and due date of 9/30/22 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: 9/30/22, Status: On Schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

Significant Past Accomplishments:

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

Significant Planned Activities in the Next Six Months and Issues:

None

Tank 241-S-112

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: TBD (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: TBD 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.

Significant Planned Activities in the Next Six Months or Issues:

None.



FINAL

Office of River Protection
Consent Decree 08-5085-FVS

Monthly Summary Report

June 2013

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

June 2013 (Monthly Summary Report/Project EVMS reflects April 2013 information)

Page	Topic	Leads
1	Statistics / Status	James Lynch / Dan McDonald / Jeff Lyon
2	SST Retrieval and Closure – D-00B-01, -02, -03, -04	Chris Kemp / Jeff Lyon
3	Tank Waste Retrieval Work Plan (TWRWP) Status – Consent Decree Appendix C	Chris Kemp / Jeff Lyon
4	SST Retrieval Monthly and Fiscal Year EVMS Data	Kathy Higgins / Jeff Lyon
5	WTP - Immobilization Plant Project – D-00A-06, D-00A-17, D-00A-01	Delmar Noyes / Dan McDonald
8	WTP Pretreatment (PT) Facility – D-00A-18, -19, -13, -14, -15, 16	Wahed Abdul / Dan McDonald
11	High-Level Waste (HLW) Facility – D-00A-20, -21, 02, 03	Wahed Abdul / Dan McDonald
14	Low-Activity Waste (LAW) Facility – D-00A-07, -08, -09	Jeff Bruggeman / Dan McDonald
16	Balance of Facilities (BOF) – D-00A-12	Jason Young / Dan McDonald
18	Analytical Laboratory (LAB) – D-00A-005	

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2013				
D-00C-02X	Submit to Ecology & State of Oregon Monthly Summary Report	10/31/2012	10/31/2012	Completed
D-00C-02Y	Submit to Ecology & State of Oregon Monthly Summary Report	11/30/2012	11/20/2012	Completed
D-00C-02Z	Submit to Ecology & State of Oregon Monthly Summary Report	12/31/2012	12/26/2012	Completed
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 EL. 37' in HLW Fac.	12/31/2012	10/24/2012	Completed
D-00C-01F	Submit to Ecology & State of Oregon Semi-Annual Report	01/31/2013	01/31/2013	Completed
D-00C-02AA	Submit to Ecology & State of Oregon Monthly Summary Report	01/31/2013	01/24/2013	Completed
D-00C-02AB	Submit to Ecology & State of Oregon Monthly Summary Report	02/28/2013	02/25/2013	Completed
D-00C-02AC	Submit to Ecology & State of Oregon Monthly Summary Report	03/31/2013	03/29/2013	Completed
D-00C-02AD	Submit to Ecology & State of Oregon Monthly Summary Report	04/30/2013	04/25/2013	Completed
D-00C-02AE	Submit to Ecology & State of Oregon Monthly Summary Report	05/31/2013	05/21/2013	Completed
D-00C-02AF	Submit to Ecology & State of Oregon Monthly Summary Report	06/30/2013		On-going
**D-00C-02AG	Submit to Ecology & State of Oregon Monthly Summary Report	07/31/2013		On-going
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.				
D-00C-01G	Submit to Ecology & State of Oregon Semi-Annual Report	07/31/2013		On-going
D-006-00-A1	Provide State of Oregon Notice of Meetings	TBD		On-going
Fiscal Year 2014				
D-006-00-A	Meet Approximately Every 3 Years to Review Requirements of CD	TBD		On-going
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	08/22/2011	Completed
Fiscal Year 2015				
D-00A-07	LAW Facility Construction Substantially Complete	12/31/2014		On-going
D-00A-19	Complete EL. 98' Concrete Floor Slab Placements in PT Facility	12/31/2014		On-going

SST Retrieval Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C, Due: 09/30/2014, Status: On-going.* Please see issues below.

D-00B-01A thru J, Submit Tank Retrieval Complete Certification, Due: TBD

Pursuant to Section IV-B-5 of the CD, DOE must submit to Ecology a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix C, Part 1, of the CD. Completed for SST C-104 on 03/21/13 via ORP letter 13-TF-0018. Completed for SST C-108 on 05/01/13 via ORP letter 13-TF-0025. Completed for SST C-109 on 06/04/13 via ORP letter 13-TF-0037.

D-00B-02, Advise Ecology of the 9 SSTs from which Waste Will Be Retrieved by 2022, Due: 09/30/2014, Status: Completed on 08/24/11.

D-00B-03, Initiate Startup of Retrieval in At Least 5 of 9 SSTs in D-00B-02, Due: 12/31/2017, Status: On-going

D-00B-04, Complete Retrieval of Tank Wastes from the 9 SSTs in D-00B-02, Due: 09/30/2022, Status: On-going

D-00B-04A thru I, Submit Tank Retrieval Complete Certification, Due: TBD

Significant Past Accomplishments:

- Operated the C-101 retrieval system intermittently, as resources were available.
- Completed mockup activities for the core cut from the C-105 dome.
- Restarted retrieval sluicing via the Mobile Arm Retrieval System (MARS-S) at C-107.
- Continued with Construction Acceptance Testing (CAT) of the C-110 Fold Track system.
- Continued with installation of equipment for C-112 Hard Heel removal.

Significant Planned Activities in the Next Six Months:

- Complete C-101 hard heel retrieval.
- Complete installation of the MARS-V in C-105.
- Complete C-107 hard heel retrieval.
- Submit retrieval certificates of completion for C-108 and C-109 to Ecology.
- Begin start-up of hard heel retrieval in C-110 using the Fold-Track.
- Begin start-up of hard heel retrieval in C-112 using caustic dissolution.

Issues:

*Although this Monthly Summary Report covers information through April 2013, DOE notes that on June 6, 2013 it notified the States of Washington and Oregon that a serious risk has arisen that DOE may not meet Consent Decree milestone B-1 for tanks C-102 and C-105.

Tank Waste Retrieval Work Plan (TWRWP) Status

Tank	TWRWP	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520, Rev. 7	Complete	MRS (per 10/7/10 agreement, to be Modified Sluicing)	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	MARS-High Pressure Water	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-High Pressure Water	-
C-108	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-109	RPP-21895, Rev. 5	Complete	Modified Sluicing	Chemical Dissolution	-
C-110	RPP-33116, Rev. 2	Complete	Modified Sluicing	Mechanical Waste Conditioning	High Pressure Water
C-111	RPP-37739, Rev. 1	In process	Modified Sluicing	None	-
C-112	RPP-22393, Rev. 6A	In process	Modified Sluicing	Chemical Dissolution	-

Significant Accomplishments:

- Modification notice 2013-05 for TWRWP RPP-22393 was approved by ORP and Ecology allowing the High Resolution Resistivity system to be used for C-102 leak detection. Prior to the modification, weekly moisture logging was required when not in active retrieval because of high interstitial liquid levels. The change now allows the TOC to do 30 days of HRR monitoring once per quarter rather than weekly moisture logging.

Significant Planned Activities in the Next 6 Months:

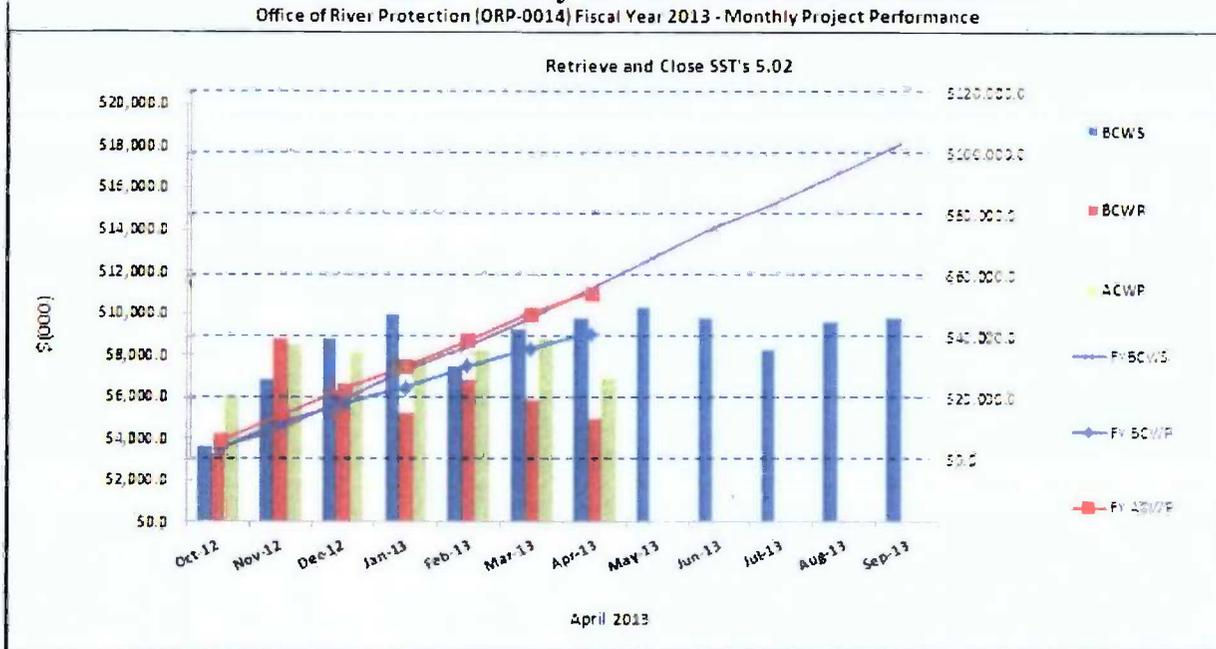
- Work with Ecology on update to TWRWP RPP-37739 for C-111.

Issues:

- None.

SST Retrieval Monthly and Fiscal Year EVMS Data

Office of River Protection (ORP-0014) Fiscal Year 2013 - Monthly Project Performance



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$3,620.6	\$3,262.2	\$6,009.2	0.90	0.54	\$3,620.6	\$3,262.2	\$6,009.2	0.90	0.54
Nov-12	\$6,822.3	\$8,789.7	\$8,503.5	1.29	1.03	\$10,442.9	\$12,051.9	\$14,512.7	1.15	0.83
Dec-12	\$8,754.6	\$6,086.6	\$8,117.5	0.70	0.75	\$19,197.5	\$18,138.5	\$22,630.2	0.94	0.80
Jan-13	\$9,897.3	\$5,259.1	\$7,843.5	0.53	0.67	\$29,094.8	\$23,397.6	\$30,473.7	0.80	0.77
Feb-13	\$7,491.3	\$6,807.5	\$8,239.1	0.91	0.83	\$36,586.1	\$30,205.1	\$38,712.8	0.83	0.78
Mar-13	\$9,250.2	\$5,862.5	\$8,789.0	0.63	0.67	\$45,836.3	\$36,067.6	\$47,501.8	0.79	0.76
Apr-13	\$9,716.9	\$4,949.6	\$6,912.8	0.51	0.72	\$55,553.2	\$41,017.2	\$54,414.5	0.74	0.75
May-13	\$10,282.1			0.00		\$65,835.3			0.00	
Jun-13	\$9,730.7			0.00		\$75,566.0			0.00	
Jul-13	\$8,224.5			0.00		\$83,790.5			0.00	
Aug-13	\$9,613.2			0.00		\$93,403.7			0.00	
Sep-13	\$9,714.1			0.00		\$103,117.8			0.00	
CTD	\$395,252.1	\$381,926.3	\$388,410.4	0.97	0.98					

Retrieval and Close Single-Shell Tanks

Schedule Variance (\$4,767K):

The unfavorable schedule variance is primarily due to:

- C-102 no longer being retrieved in parallel with C-101 due to a required shift in labor resource skills.
- C-105 dome cut and MARS Vacuum installation due to the DPO.
- C-110 retrieval delays due to bump and roll of operations.
- C-111 design of the Hard Heel Retrieval System due to DST Deep Bed sludge issues.
- C-112 design delays.

Cost Variance (\$1,963K):

The unfavorable cost variance is primarily due to:

- Additional resources required to complete retrieval of C-101.
- Additional resources and material required for single-shell tank C-110 retrieval activities.
- Additional field and operations crews needed to perform conduit installation.
- Higher costs required to resolve issues with the MARS-V system.

Waste Treatment and Immobilization Plant Project

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

The Waste Treatment and Immobilization Plant (WTP) Project currently employs approximately 2,158 full-time equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 572 craft, 448 non-manual, and 120 subcontractor FTE personnel working at the WTP construction site (all facilities). As of April 2013, the combined Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) were 62 percent complete; design and engineering was 76 percent complete; procurement was 83 percent complete; construction was 70 percent complete; and startup and commissioning was 10 percent complete.

In September 2012, the baseline change proposal (BCP) that implemented the LAW, BOF, and LAB (LBL) replan was incorporated into the project over-target baseline (OTB), 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 OTB and the percent complete values for PT and HLW 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 April 2013, the cumulative to-date WTP Project schedule variance was a positive \$4.5M, and the cumulative to-date WTP Project cost variance was a negative \$38.7M. The recent contribution to the cumulative to-date schedule variance is due to early deliveries of plant equipment and early completion of construction activities. The major contribution to the cumulative to-date cost variance is the negative cost variance carried over from the LBL replan.

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

Significant Past Accomplishments:

- Received the first simulant procurement for the 8-ft testing program (PT)
- BNI has issued the engineering specification for vessel testing to support development of test plan by the national laboratories (PT)
- BNI has issued first (Safety Evaluation Part 1) of the two ABAR changes to support PDSA upgrade (HLW)
- Completed pump and line sizing calculations for the modification of the test vessel RLD-VSL-8T (HLW)
- Completed installation of 3 layers of refractory brick in Melters 1&2 (LAW)
- Started component testing of the medium voltage electrical (MVE) system in the BOF switchgear building 91 (BOF)

Significant Planned Actions in the Next Six Months:

- Perform testing of pulse jet mixing control strategy using the 8-ft vessel mixing test platform (PT)
- Develop vessel specific particle characteristics report for erosion/corrosion (PT/HLW)
- Award contract(s) for prototype design/fabrication of high-efficiency particulate air (HEPA) filters (HLW)
- Complete installation of melter power supplies (LAW)
- Complete installation of Auto Sampling (ASX) system (LAW)
- Complete construction of the Glass Former Storage Facility (BOF)
- Complete construction of WTP Chiller Compressor Plant (BOF)
- Completion of the high purity gas system layup (LAB)

Issues:

* 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.

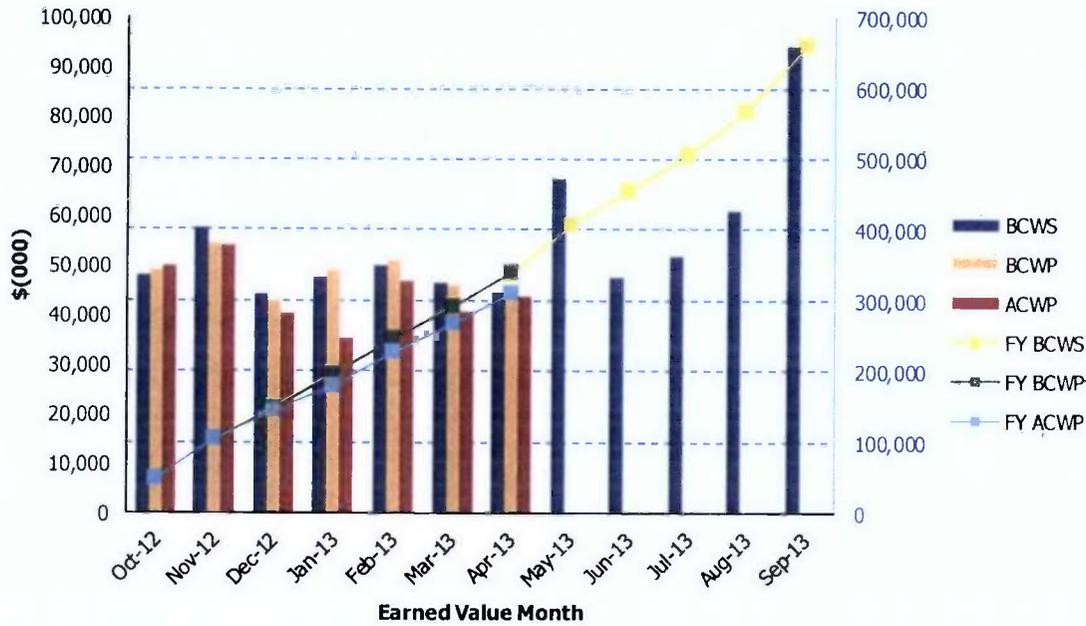
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$47,840	\$49,300	\$49,742	1.03	0.99	\$47,840	\$49,300	\$49,742	1.03	0.99
Nov 2012	\$57,411	\$54,398	\$53,916	0.95	1.01	\$105,251	\$103,698	\$103,658	0.99	1.00
Dec 2012	\$44,336	\$43,083	\$40,457	0.97	1.06	\$149,587	\$146,781	\$144,115	0.98	1.02
Jan 2013	\$47,780	\$49,037	\$35,389	1.03	1.39	\$197,367	\$195,818	\$179,504	0.99	1.09
Feb 2013	\$49,984	\$50,929	\$47,008	1.02	1.08	\$247,351	\$246,747	\$226,512	1.00	1.09
Mar 2013	\$46,568	\$45,897	\$40,819	0.99	1.12	\$293,919	\$292,644	\$267,331	1.00	1.09
Apr 2013	\$44,537	\$46,052	\$43,887	1.03	1.05	\$338,456	\$338,696	\$311,218	1.00	1.09
May 2013	\$67,563					\$406,019				
Jun 2013	\$47,715					\$453,734				
Jul 2013	\$51,682					\$505,416				
Aug 2013	\$61,121					\$566,536				
Sep 2013	\$94,165					\$660,701				
PTD	\$7,479,065	\$7,483,564	\$7,522,276	1.00	0.99					

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 high-level waste and low-activity waste 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 continues to focus on resolving technical issues, performing hazard analyses, and completing safety evaluations for process systems in accordance with the 2-year interim work plan.

The Design Completion Team continues to evaluate open technical issues for resolution. Construction of the mixing test platform continues in preparation for full-scale testing. Engineering specifications for the full-scale testing have been prepared and are undergoing a multi-discipline review, and the national labs are developing a test plan, simulant, and instrumentation requirements. Phase 1 testing for erosion/abrasivity testing is scheduled to be completed by the end of calendar year 2013.

BNI is performing an impact evaluation for a potential change to the natural phenomenon hazards design criteria that would double the ashfall criteria. This design criteria revision has the potential to impact facility and HVAC system design.

Significant Past Accomplishments:

- Approved BCPs updating the 2-year interim work plan incorporating detailed path forward for technical issue resolution
- Received the first simulant procurement for the 8-ft testing program
- Awarded subcontracts for Phase 1 erosion testing (jet impingement and erosion/abrasivity)
- BNI has issued the engineering specification for vessel testing to support development of test plan by the national laboratories
- HLP vessel bottom head structural issue has been resolved and approved by the core team
- BNI completed the review and development of test plan for seismic validation of PUREX jumper connectors

Significant Planned Actions in the Next Six Months:

- Perform independent review of the potential for criticality in vessels
- 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
- Perform testing of pulse jet mixing control strategy using the 8-ft vessel mixing test platform
- Issue engineering specification for vessel testing
- Complete update of the 2-year interim work plan to incorporate path forward
- Issue sampling action plan to determine sampling accuracy
- Issue draft procedure for conducting Failure Mode, Effects, and Criticality Analysis (FMECA)
- Update basis of design for safety classification regarding seismic analysis of vessels

Issues:

* 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.

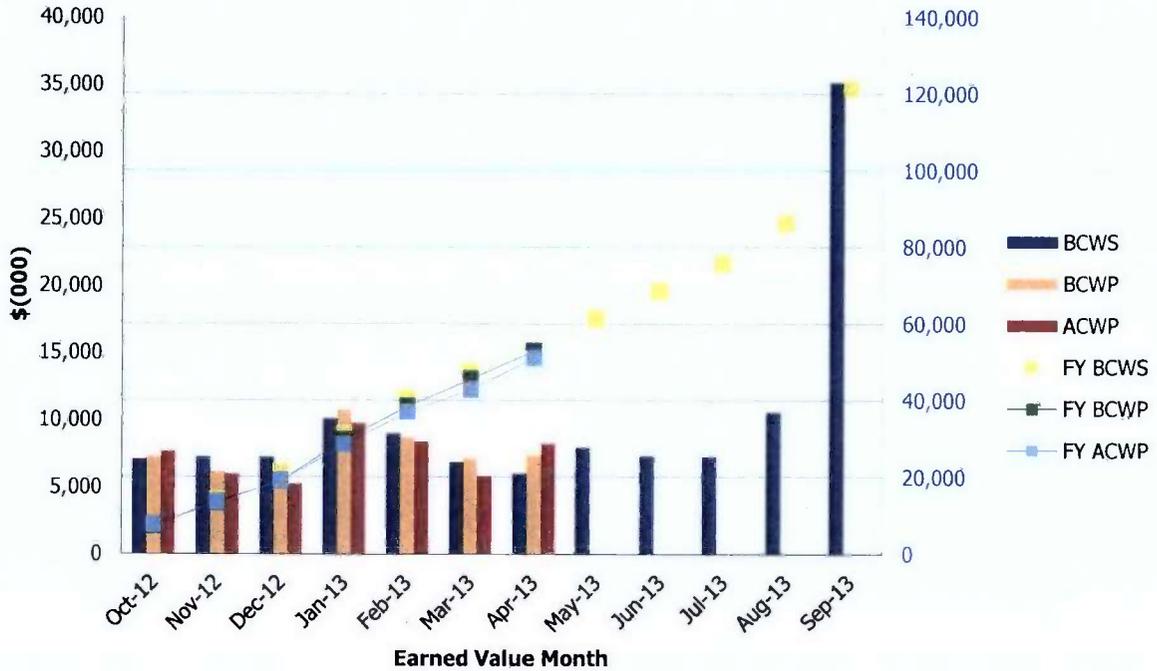
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$7,077	\$7,269	\$7,660	1.03	0.95	\$7,077	\$7,269	\$7,660	1.03	0.95
Nov 2012	\$7,200	\$6,130	\$5,974	0.85	1.03	\$14,277	\$13,399	\$13,634	0.94	0.98
Dec 2012	\$7,163	\$5,619	\$5,230	0.78	1.07	\$21,440	\$19,018	\$18,864	0.89	1.01
Jan 2013	\$10,097	\$10,759	\$9,756	1.07	1.10	\$31,537	\$29,777	\$28,620	0.94	1.04
Feb 2013	\$8,994	\$8,716	\$8,382	0.97	1.04	\$40,531	\$38,493	\$37,002	0.95	1.04
Mar 2013	\$6,839	\$7,142	\$5,831	1.04	1.22	\$47,370	\$45,635	\$42,833	0.96	1.07
Apr 2013	\$5,995	\$7,355	\$8,252	1.23	0.89	\$53,365	\$52,990	\$51,085	0.99	1.04
May 2013	\$7,928					\$61,293				
Jun 2013	\$7,266					\$68,559				
Jul 2013	\$7,235					\$75,794				
Aug 2013	\$10,547					\$86,340				
Sep 2013	\$35,145					\$121,485				
PTD	\$1,463,832	\$1,463,456	\$1,461,552	1.00	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 High Level Waste (HLW) Facility will receive the separated high-level waste 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 prior to 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 continues to focus on resolving technical issues, performing hazard analyses, and completing safety evaluations for process systems in accordance with the 2-year interim work plan.

The Design Completion Team continues to evaluate open technical issues for resolution. Construction activities include the placement of walls at the 37-ft elevation, installation of structural steel at the 58-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. Environmental and Nuclear Safety continues to update the Preliminary Documented Safety Analysis (PDSA) and is progressing towards performing hazard analysis for several systems.

BNI is reviewing and analyzing the issues identified in RVP (Wave 1) to develop a path forward for issue resolution. Project issue evaluation reports (PIER) are developed to track resolution of the issues and corrective actions are being identified. BNI is progressing on the second phase of RVP (Wave 2), which includes review of the HLW C5V system.

Significant Past Accomplishments:

- BNI has issued first (Safety Evaluation Part 1) of the two ABAR changes to support PDSA upgrade
- Completed pump and line sizing calculations for the modification of the test vessel RLD-VSL-8T
- Completed second barrier inspection of the fabricated off-gas fans and approved shipping to the site
- Awarded contract for HEPA filter testing to MSU

Significant Planned Actions in the Next Six Months:

- Award contract(s) for prototype design/fabrication of HEPA filters
- Complete RVP reviews
- Complete review of fabrication of the thermal catalytic oxidizer
- Develop plan to close technical issues and other issues (e.g., safety basis compliance, quality assurance issues, and design defensibility) of HLW in calendar year 2013
- Issue first HPAV HGR calculation for 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

Issues:

* 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.

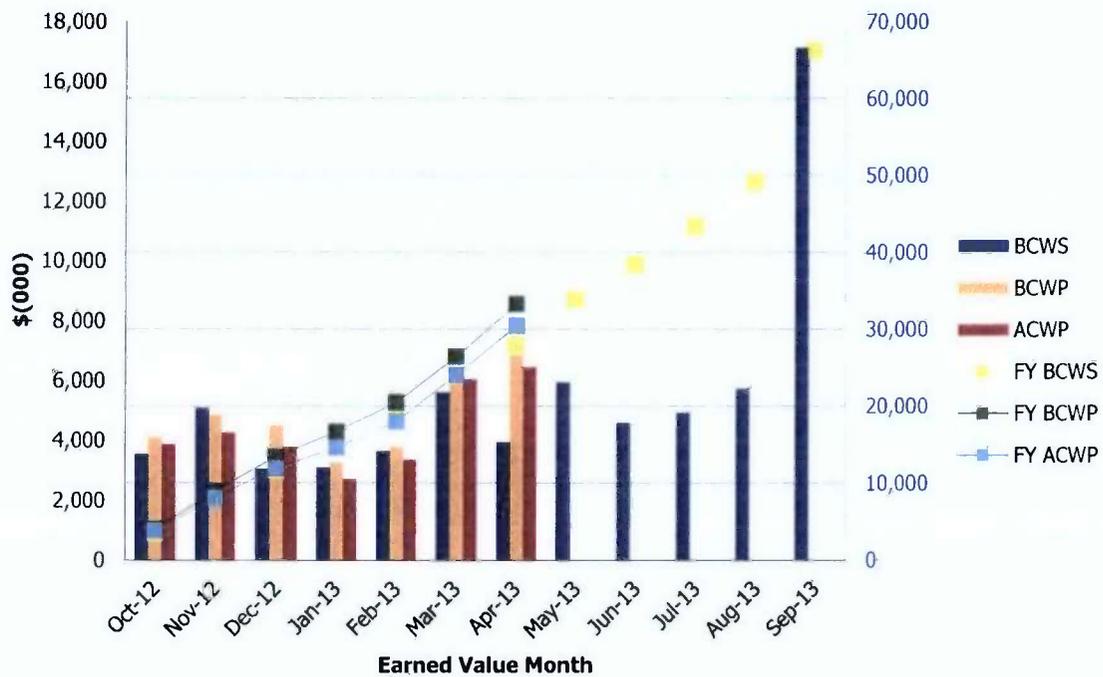
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$3,545	\$4,105	\$3,895	1.16	1.05	\$3,545	\$4,105	\$3,895	1.16	1.05
Nov 2012	\$5,079	\$4,852	\$4,256	0.96	1.14	\$8,624	\$8,957	\$8,151	1.04	1.10
Dec 2012	\$3,054	\$4,496	\$3,795	1.47	1.18	\$11,678	\$13,453	\$11,946	1.15	1.13
Jan 2013	\$3,092	\$3,266	\$2,714	1.06	1.20	\$14,770	\$16,719	\$14,660	1.13	1.14
Feb 2013	\$3,639	\$3,791	\$3,362	1.04	1.13	\$18,409	\$20,510	\$18,022	1.11	1.14
Mar 2013	\$5,595	\$5,953	\$6,053	1.06	0.98	\$24,004	\$26,463	\$24,075	1.10	1.10
Apr 2013	\$3,944	\$6,860	\$6,443	1.74	1.06	\$27,948	\$33,323	\$30,518	1.19	1.09
May 2013	\$5,943					\$33,891				
Jun 2013	\$4,594					\$38,485				
Jul 2013	\$4,941					\$43,426				
Aug 2013	\$5,722					\$49,148				
Sep 2013	\$17,135					\$66,283				
PTD	\$950,081	\$955,452	\$952,650	1.01	1.00					

LOW-ACTIVITY WASTE (LAW) FACILITY

Number	Title	Due Date	Status
D-00A-07	LAW Facility Construction Substantially Complete	12/31/2014	Ongoing* (see issues below)
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 Low-Activity Waste (LAW) Facility will vitrify LAW from the Pretreatment (PT) Facility. Waste 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 on the Hanford Site in the Integrated Disposal Facility. As of April 2013, the LAW Facility is 63 percent complete overall, with engineering design 77 percent complete, procurement 85 percent complete, construction 64 percent complete, and startup and commissioning is 5 percent complete.

Significant Past Accomplishments:

- Completed installation of three layers of refractory brick in Melter 1 and 2
- Placed concrete pad with anchor bolts for the Caustic Scrubber vessel
- Installed the power control panels and track for the lidding bogie cart
- Received the temporary 25 ton crane to be used to set the melter lids

Significant Planned Actions in the Next Six Months:

- Complete installation melter power supplies
- Complete installation of Auto Sampling (ASX) system
- Receive HEPA Pre-heaters for LAW Secondary Offgas/Vessel Vent Process (LVP) system
- Continue refractory brick installation in the melters
- Complete hazard analysis for the melter and container handling systems

Issues:

* Although this Monthly Summary Report covers information through April 2013, DOE notes that on June 6, 2013 it notified the States of Washington and Oregon that a serious risk has arisen that DOE may not meet Consent Decree milestone A-7.

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$6,536	\$6,787	\$7,142	1.04	0.95	\$6,536	\$6,787	\$7,142	1.04	0.95
Nov 2012	\$8,212	\$7,602	\$8,071	0.93	0.94	\$14,748	\$14,389	\$15,213	0.98	0.95
Dec 2012	\$6,418	\$6,648	\$6,814	1.04	0.98	\$21,166	\$21,037	\$22,027	0.99	0.96
Jan 2013	\$6,392	\$7,303	\$6,469	1.14	1.13	\$27,558	\$28,340	\$28,496	1.03	0.99
Feb 2013	\$8,503	\$7,873	\$8,338	0.93	0.94	\$36,061	\$36,213	\$36,834	1.00	0.98
Mar 2013	\$8,316	\$6,966	\$7,054	0.84	0.99	\$44,377	\$43,179	\$43,888	0.97	0.98
Apr 2013	\$8,135	\$6,765	\$6,950	0.83	0.97	\$52,512	\$49,944	\$50,838	0.95	0.98
May 2013	\$14,674					\$67,186				
Jun 2013	\$9,402					\$76,588				
Jul 2013	\$10,967					\$87,555				
Aug 2013	\$12,145					\$99,700				
Sep 2013	\$13,606					\$113,306				
PTD	\$746,222	\$746,933	\$799,383	1.00	0.93					

BALANCE OF FACILITIES (BOF)

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

The Balance of Facilities (BOF) provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. As of April 2013, the BOF is 56 percent complete overall, with engineering design 77 percent complete, procurement 72 percent complete, construction 73 percent complete, and startup and commissioning is 10 percent complete.

Significant Past Accomplishments:

- Started component testing of the medium voltage electrical (MVE) system in the BOF switchgear building 91
- Completed installation of the additional cathodic protection test stations

Significant Planned Actions in the Next Six Months:

- Complete construction of WTP Chiller Compressor Plant
- Complete the component and functional testing of the low voltage, medium voltage, and fire detection systems for Switchgear Buildings 87 and 91
- Complete construction of the Glass Former Storage Facility

Issues:

No major issues at this time

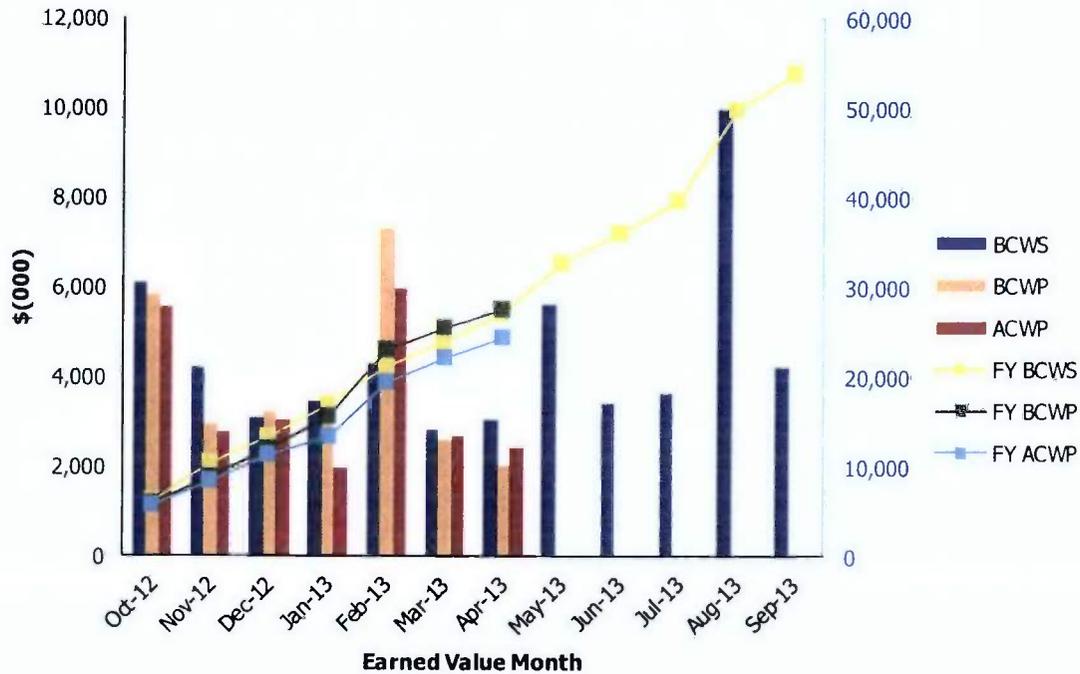
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$6,106	\$5,820	\$5,580	0.95	1.04	\$6,106	\$5,820	\$5,580	0.95	1.04
Nov 2012	\$4,226	\$2,955	\$2,775	0.70	1.06	\$10,332	\$8,775	\$8,355	0.85	1.05
Dec 2012	\$3,077	\$3,213	\$3,026	1.04	1.06	\$13,409	\$11,988	\$11,381	0.89	1.05
Jan 2013	\$3,452	\$3,559	\$1,970	1.03	1.81	\$16,861	\$15,547	\$13,351	0.92	1.16
Feb 2013	\$4,286	\$7,315	\$5,963	1.71	1.23	\$21,147	\$22,862	\$19,314	1.08	1.18
Mar 2013	\$2,799	\$2,588	\$2,675	0.92	0.97	\$23,946	\$25,450	\$21,989	1.06	1.16
Apr 2013	\$3,057	\$1,988	\$2,397	0.65	0.83	\$27,003	\$27,438	\$24,386	1.02	1.13
May 2013	\$5,611					\$32,614				
Jun 2013	\$3,418					\$36,032				
Jul 2013	\$3,638					\$39,670				
Aug 2013	\$9,955					\$49,625				
Sep 2013	\$4,223					\$53,849				
PTD	\$302,751	\$303,023	\$298,318	1.00	1.02					

ANALYTICAL LABORATORY

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

The Analytical Laboratory (LAB) will support WTP operations by analyzing feed, vitrified waste, and effluent streams. As of April 2013, the LAB is 68 percent complete overall, with engineering design 74 percent complete, procurement 85 percent complete, construction 81 percent complete, and startup and commissioning is 22 percent complete.

Significant Past Accomplishments:

- Completed subcontractor testing of the High Purity Gas systems – Bottled Nitrogen Gas (BNG), Bottled Helium Gas (BHG), Bottled Argon Gas (BAG)
- 51% complete on pipe flushing spool installation
- 85% complete on instrument tubing installation

Significant Planned Actions in the Next Six Months:

- Receive instrument and transport lines for the exhaust stack monitors
- Complete electrical engineering design for the analytical laboratory
- Terminating cable for the HVAC air-handling units and adjustable speed drives (ASDs)
- Complete repairs to RLD vessels

Issues:

No major issues at this time.

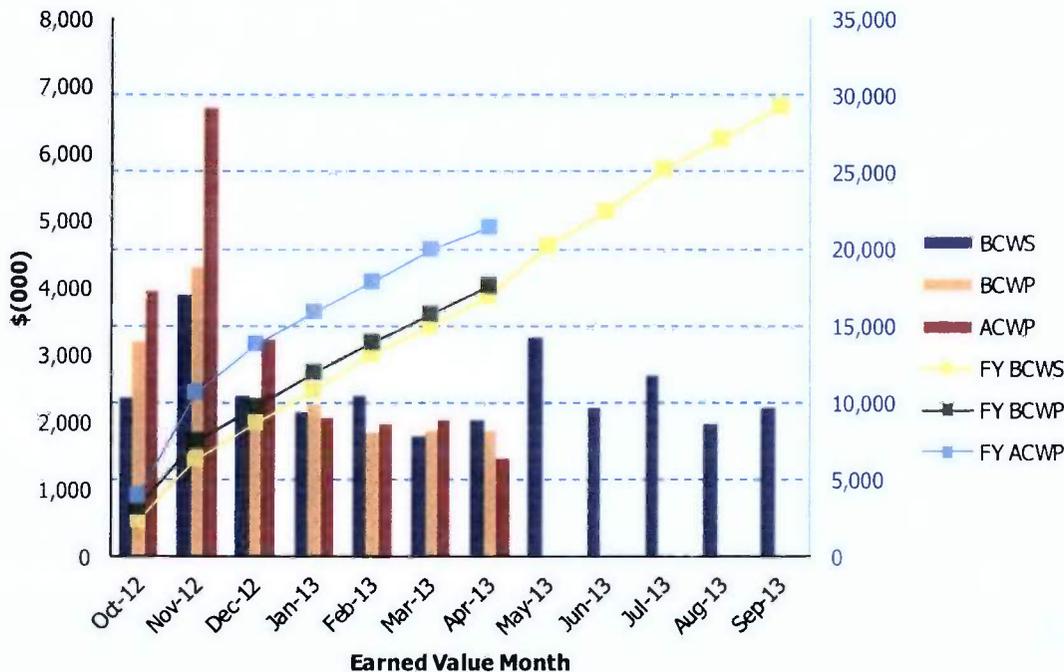
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: April 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 2012	\$2,370	\$3,183	\$3,952	1.34	0.81	\$2,370	\$3,183	\$3,952	1.34	0.81
Nov 2012	\$3,896	\$4,303	\$6,675	1.10	0.64	\$6,266	\$7,486	\$10,627	1.19	0.70
Dec 2012	\$2,381	\$2,257	\$3,219	0.95	0.70	\$8,647	\$9,743	\$13,846	1.13	0.70
Jan 2013	\$2,137	\$2,270	\$2,052	1.06	1.11	\$10,784	\$12,013	\$15,898	1.11	0.76
Feb 2013	\$2,387	\$1,852	\$1,977	0.78	0.94	\$13,171	\$13,865	\$17,875	1.05	0.78
Mar 2013	\$1,783	\$1,879	\$2,044	1.05	0.92	\$14,954	\$15,744	\$19,919	1.05	0.79
Apr 2013	\$2,021	\$1,883	\$1,475	0.93	1.28	\$16,975	\$17,627	\$21,394	1.04	0.82
May 2013	\$3,258					\$20,232				
Jun 2013	\$2,212					\$22,444				
Jul 2013	\$2,688					\$25,132				
Aug 2013	\$1,964					\$27,096				
Sep 2013	\$2,220					\$29,316				
PTD	\$222,901	\$224,698	\$244,750	1.01	0.92					

Waste Treatment Plant Project - (LBL) Percent Complete Status

Through April 2013

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Plant Operations Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities															
Low-Activity Waste	1,183.6	746.9	63%	300.7	230.3	77%	259.3	221.0	85%	445.9	287.0	64%	177.7	8.6	5%
Analytical Lab	330.2	224.7	68%	71.0	52.8	74%	54.5	46.5	85%	135.8	110.4	81%	68.9	15.0	22%
Balance of Facilities	542.3	303.0	56%	91.9	71.2	77%	71.3	51.6	72%	224.3	164.1	73%	154.7	16.1	10%
Total LBL	2,056.1	1,274.7	62%	463.6	354.3	76%	385.1	319.1	83%	806.0	561.4	70%	401.3	39.8	10%
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	4,776.9	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 WTP w/o UB	n/a	n/a	67%	n/a	n/a	87%	n/a	n/a	73%	n/a	n/a	62%	n/a	n/a	15%
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	n/a	n/a	67%	n/a	n/a	87%	n/a	n/a	73%	n/a	n/a	62%	n/a	n/a	15%

Sources: Preliminary WTP Contract Performance Report - Form 1, Data for April 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 PT/HLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PT/HLW/SS facility budgets, this was due to a work scope shift from the Distributed budget to UB. Percent Complete Values shown for PT, HLW and SS have been frozen with the September 2012 values due to the Interim Work Plan and budgets being moved into UB. UB value for the project for PT/HLW/SS is \$1,983M.

**WORKING ORP Key Documents List
For June 2013**

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
Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation	M-045-21	Sampling and Analysis Plan for Soil Samples for 241-TX Tank Farm Investigation	03/31/13	03/11/13	04/22/13	05/30/13	D. Hildebrand	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Created via Change Package M-45-12-04 on 06/21/12 Submitted to ECY via ORP letter 13-TF-0013 on 03/11/13 ORP received ECY's comments on 04/22/13 at the April PMM. Revised SAP sent via ORP letter 13-TF-0039 on 05/30/13.
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/Contaminate Removal Tech Results to ECY	07/31/14				D. Hildebrand	S. Eberlein	J. Lyon	
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C	Supports M-045-61	WMA C PA Initial Model Run Data Package		TBD			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Feeds input for M-045-61 and all Closure Plans
		WMA C PA Initial Document		TBD			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Feeds input for M-045-61 and all Closure Plans
		WMA C Characterization Summary 2013		TBD			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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							<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	

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

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

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

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

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

**WORKING ORP Key Documents List
For June 2013**

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
M-45-91 Interim Milestones and Target Dates for SST Integrity Implementing the Expert Panel's Recommendations	M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/13	Missed			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Moved to 01/31/13 per M-45-12-01 TPA Chg Pckg. Reported as To Be Missed in October 2012 TPA PMM Mtg. This and other To Be Missed target dates/milestones will be incorporated into a TPA Chg Pckg after discussion of milestone impacts by ORP and ECY. ORP sent letter 13-TF-0044 to ECY on 06/24/13 with a signed TPA Chg Pckg for this target and the other To Be Missed M-045-91 series interim milestones and associated target dates.
	M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	05/31/13	05/21/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> ORP transmitted to ECY via ORP Letter 13-TF-0032 on 05/21/13.
	M-045-91F-T02	Provide Report of Liner Failures for SSTs	07/31/13	07/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	07/31/13	07/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91G-T03	Provide AOR Final Doc. for SSTS on 1,000,000 Gallon Tanks	09/31/13	09/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Moved to 09/31/13 per M-45-12-01 TPA Chg Pckg.
	M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	09/30/13	09/30/13			J. Johnson	R. Gregory	J. Lyon	
	M-045-91G-T04	Provide AOR Final Doc. for SSTS on 55,000 Gallon Tanks	10/31/13	10/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/13	12/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/14	04/30/14			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/14	09/30/14			J. Johnson	R. Gregory	J. Lyon	
	M-045-91H	Submit Change Pckg (if necessary) to est. Additional Milestones	07/31/15	07/31/15			J. Johnson	R. Gregory	J. Lyon	
M-045-91I	Provide IQRPE Certification of SSTs Structural Integrity	09/30/18	09/30/18			J. Johnson	R. Gregory	J. Lyon		

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**WORKING ORP Key Documents List
For June 2013**

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	F. Miera	J. Lyon	
	Submit Part B Permit Application for Selected Supplemental Treatment Technology	TBD			L. Huffman	F. Miera	J. Lyon	
	Wiped Film Evaporator Notice of Construction	TBD			L. Huffman	F. Miera	J. Lyon	
	Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application	TBD			L. Huffman	F. Miera	J. Lyon	
	IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	TBD			T. Fletcher	F. Miera	J. Lyon	
OTHER DOCUMENTS	Submit Categorical TOC HIA	TBD				F. Miera	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.

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