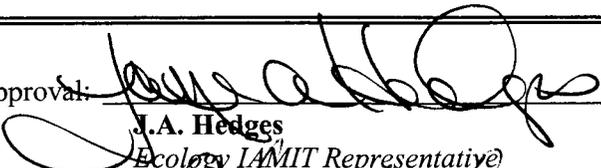
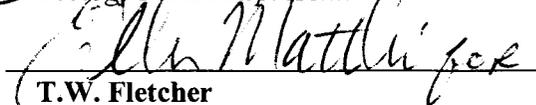
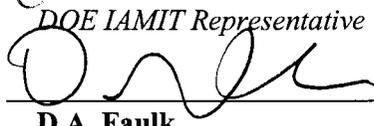


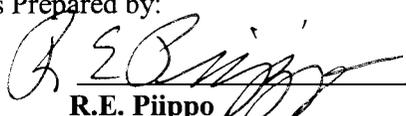
**Office of River Protection
Tri-Party Agreement Milestone Review
Meeting Minutes
May 15, 2014**

Approval:  Date: 6/30/14
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Ecology IAMIT Representative

Approval:  Date: 6/17/14
T.W. Fletcher
DOE IAMIT Representative

Approval:  Date: 6/19/14
D.A. Faulk
EPA IAMIT Representative

Minutes Prepared by:

 Date: 6-17-14
R.E. Piippo
Mission Support Alliance

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Faulk, D.A.	EPA	Mathey, J. W.*	Ecology	Young, J. D.*	ORP
Fletcher, T.W.	ORP	Mattlin, E.M.*	ORP	Administrative Record	
Gadbois, L.E.	EPA	Mauss, B.M.*	ORP		
Gent, P. M.*	Ecology	McDonald, D.*	Ecology	*Attendees	
Grindstaff, J.F.*	ORP	McLain, J. A.*	WRPS		
Harrington, C.C.	ORP	Menard, N. M.*	Ecology		

**Office of River Protection
Tri-Party Agreement Quarterly Milestone Review
Meeting Minutes
May 15, 2014**

Administrative Items/Milestone Status

ORP noted that there was a list of recent items that have been entered into the TPA Administrative Record (AR) (see agenda). ORP stated that the items on the agreements, issues and actions list were discussed during the dry run meeting held Tuesday, May 13, 2014. ORP referred to action No. 1 (TF-14-03-01), and stated that a meeting will be scheduled with Ecology in the near future to discuss the Low Activity Waste Pretreatment System (LAWPS) and Direct Feed Law (DFLAW). ORP noted that there had been some delay with scheduling a meeting due to the Consent Decree (CD) negotiations that are under way and obtaining agreement from upper management and legal counsel to proceed with a meeting. ORP stated that agreement had been reached with management and legal counsel, and the plan is to schedule a meeting with Ecology in early June 2014.

ORP stated that the TPA and CD monthly summary reports list the milestones for fiscal years 2014 and 2015, and there was no change in milestone status in the last couple of months. ORP noted that there are two TPA milestones at risk, M-047-07 and M-090-13, and three TPA milestones that are to be missed, M-045-61, M-045-62 and M-045-82. ORP also noted that a letter was sent to Ecology regarding the one-time tank waste supplemental treatment technologies report (M-062-40ZZ), which will be discussed today under Supplemental Treatment and Part B Permit Applications.

System Plan; M-62-40

ORP stated that it is on schedule to meet the October 31, 2014 milestone for System Plan 7. ORP reported that during the first week in April 2014, the core team members (ORP, WRPS and Ecology) reviewed Appendix C of System Plan 7. ORP and WRPS facilitated four four-hour sessions, starting on April 24, 2014, for Ecology to provide the detailed specifics for Case 5 of System Plan 7. ORP stated that the results of Ecology's analysis of Cases 1 through 5 are anticipated at the end of May 2014. A meeting with the core team will be scheduled in June 2014, and WRPS will present the various cases requested by Ecology.

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

ORP noted that milestones M-090-13 and M-047-07 are being reported as at risk. ORP stated that the timing of completing the two projects under these milestones is wrapped up in the overall CD negotiations since they are tied to the startup of specific parts of the Waste Treatment Plant (WTP).

ORP added that the Interim Hanford Storage project (M-090-13) is needed before the High Level Waste facility (HLW) can be started up, and the Secondary Liquid Waste Treatment project (M-047-07) is needed before the Pretreatment facility (PT) can be started up. ORP noted that HLW and PT are part of the WTP. Ecology noted the understanding that the operation of the two facilities under M-090-13 and M-047-07 are tied to the overall startup of WTP, and asked if there was any reason why ORP could not proceed with the design process for the two projects. ORP responded that funding constraints have precluded doing any work this fiscal year. ORP noted that it applied for funding through the CD retrievals tied to DFLAW and LAWPS, as well as other TPA milestones, and it has not pursued funding for the two projects under M-090-13 and M-047-07 for this fiscal year. Ecology stated the point is that the design process could proceed. ORP concurred, stating that there is enough information to proceed with the design process.

Ecology pointed out that milestones M-090-13 and M-047-07 are due September 30, 2014, which is the end of ORP's fiscal year, and the milestones should be changed to to-be-missed since there is no funding this fiscal year to complete the milestones. ORP responded that there has been internal discussion in terms of when to change a milestone from at risk to a to-be-missed status, and it is obvious that the status of these two milestones needs to be changed. Ecology stated that if the milestones are missed, they are the first milestones in a series and there would no longer be any milestones for these two facilities. Ecology suggested that there should be discussion about moving the milestones out or that ORP could provide a schedule for the entire design process with multiple milestones. Ecology added that the discussion should be held before September 30, 2014. Ecology reminded ORP that a penalty had previously been issued for one of the milestones, and the goal would be to reach a solution in lieu of issuing another penalty. ORP stated that part of the reason for not pursuing a resolution to these two milestones was the agreement to not process individual TPA milestone changes during the current CD negotiations and related TPA subjects.

EPA asked if Ecology will be requesting a recovery plan for these two milestones. Ecology responded that a recovery plan would normally be the process, and that there needs to be something in place before September 30, 2014. ORP concurred with Ecology's position.

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

ORP stated that milestone M-062-40ZZ to submit a one-time tank waste supplemental treatment technologies report is being reported as on schedule, with an asterisk referring to the letter ORP sent to Ecology. The letter documents previous discussions with Ecology and the agreement that ORP will not produce the one-time report. ORP noted that Ecology has been provided a draft change package that removes the one-time report language from the TPA milestone. ORP stated that the overall point of removing the one-time report is the belief that the report is not the right process to reach the ultimate negotiated selection of the supplemental treatment technology. ORP added that the appropriate NEPA processes is the better path for reaching the selection for the supplemental treatment technology, and that path forward needs to be outlined. ORP stated that no money is being spent on the one-time report, which will impact milestone M-062-45ZZ to

negotiate a one-time supplemental treatment selection. ORP noted that there have been several discussions with Ecology regarding M-062-45ZZ, documenting that ORP expects the timing of the one-time supplemental treatment selection will be taken into account through the CD and TPA negotiations.

242-A Evaporator Status

ORP reported that the estimated start date of late August, early September 2014 for campaign 13-01 has not changed. Campaign 13-01 requires two passes totaling approximately 750,000 gallons. ORP noted that the dates have been stretched out about two months since the last TPA quarterly milestone review meeting. ORP stated that WRPS staff planned to start their readiness assessment on May 12, 2014, but a potential inadequacy in a safety analysis (PISA) was identified during the safety analysis. ORP stated that it was determined that there was a possible credible fire scenario that would occur in the evaporator room, and a contractor was hired to conduct a modeling study. When the results of the modeling study are received, WRPS will prepare a plan of controls to set in place to add to their technical safety requirements, which will allow the facility to be safely operated. ORP stated that once the additional technical safety requirements are in effect, WRPS will start its readiness assessment, which is anticipated to begin approximately six to eight weeks from today (July 15). WRPS's readiness assessment will take approximately two to two-and-half weeks, at which time ORP will determine if WRPS's readiness assessment has passed. ORP will begin its readiness assessment after WRPS's readiness assessment passed.

ORP stated that once it is satisfied that the facility can operate adequately, a meeting will be held with the manager of ORP, who is the authorized designee to authorize the facility to operate, and the campaigns will be started. ORP indicated that the campaigns will most likely begin the second or third week of August 2014, which will allow WRPS to meet their performance-based incentives (PBIs) and milestones to complete 750,000 gallons of evaporated supernate prior to September 30, 2014. ORP noted that discussions are held regularly with Ecology regarding the 242-A Evaporator status. ORP and Ecology discussed including additional 242-A Evaporator status information in the TPA Monthly Summary Report. ORP agreed to include additional status information on the 242-A Evaporator for future monthly reports.

Double-Shell Tank Status

ORP noted that the DST status has been added to the monthly report. ORP reported that the ultrasonic testing at AP-104 was recently completed, and the ultrasonic testing at AP-106 is about halfway completed.

SST Integrity Assurance: M-45-91

ORP stated that all of the SST integrity series of milestones and target dates are currently on schedule. ORP reported that the sidewall coring was started in tank A-106, which was believed to have had the highest temperature. ORP noted that high temperatures are considered to be the

main degradation mechanism to the concrete tanks. The cores from A-106 will be tested to determine if the degradation in the concrete is in line with the modeling that was done. ORP noted that about seven feet had been cored yesterday, with no measureable deviation of the coring, and the plan is to core approximately 38 feet. ORP provided color photos during the meeting today of the A-106 coring activity.

ORP stated that the type IV analysis of record (AOR) will be issued in the next several months, followed by the type I AOR, and that will complete all of the structural analyses of record to complete M-045-91G-TO3.

In Tank Characterization and Summary

ORP noted that last quarter it was reported that the first core sample for SY-102 was scheduled for June 2014, and the date has slipped to August 2014, due to issues with the core sampling system. ORP stated that the electrical components in the system are supposed to be airtight, and they continue to have failures. When the system has been opened, there is sand, water or debris. A walk-down of the electrical drawings has been done. ORP noted that some of the training on the core sampler has continued, but the hands-on training is lagging since the system has been down so frequently. ORP stated that the procedures are getting aligned and the project training is continuing.

Ecology inquired about the vapor sampling at C-102. ORP responded that vapor samples were pulled, and the samples are in the lab for testing. Ecology requested information about the sampling and analysis plan. ORP will provide Ecology the requested information on the vapor sampling.

Tank Operations Contract (TOC) Overview

ORP provided the TOC overview for March 2014, including base operations, retrieval and closure, waste feed delivery, and supplemental treatment. There were no questions or discussions initiated today.

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

M-045-22 - ORP stated that the M-045-22 series of target milestones have all been on schedule.

M-045-92 - ORP stated that discussions will be needed in the near term to consider the future for barriers after the results for the SX pore water extraction test are provided to Ecology. ORP noted that a meeting is scheduled in the near term with Ecology and the technical teams.

M-045-56J - ORP noted that the annual meeting will be scheduled next quarter. ORP stated that the intrusion mitigation has been tied to the interim measures work, and all of the intrusion investigations have been completed. ORP added that it believes which tanks have intrusions have been identified, and it plans to meet with Ecology in the near term to discuss the path forward. ORP added that the language has been revised in primary document RPP-9937, which is the SST

leak detection and monitoring requirements. The revision to RPP-9937 states that ORP will notify Ecology when an intrusion has been identified, and that ORP will meet with Ecology to discuss the path forward via the M-045-56J milestone. Ecology noted that it was an interim provision to RPP-9937 to provide a short-term solution, and the parties are working on a major revision.

M-045-61 and M-045-62 - ORP stated that these milestones are currently to be missed, and a redline strikeout of a change package has been provided to Ecology to address the milestones. ORP added that efforts continue with Ecology to develop a package that both parties can agree to. M-045-900 – ORP stated that discussions regarding submittal of the final design and monitoring plan for interim barrier 3 will be part of the discussion this summer on barriers and the schedule for continuing barrier work.

M-45-00 Series:

SST Retrieval and Closure Program:

M-045-86 - ORP noted the three retrieval data reports (RDRs) that have been completed. ORP reported that the sampling for C-110 has been completed, and the results have already been received. The C-110 RDR is in concurrence, and it will be submitted before the January 2015 due date.

Significant Planned Accomplishments in the next 6 Months – ORP noted that work on the WMA-C Performance Assessment (PA) resumed last fall, and preparations are under way to do the numeric modeling this summer. ORP stated that working sessions are scheduled with the stakeholders and the tribes on June 23/24, 2014, to revisit the plan for the numeric modeling. Ecology asked if ORP was still planning to provide more information on how to interface with the modelers and review some of the QA/QC. ORP responded that a meeting is scheduled with DOE-RL later today to discuss how the modeling plan will be developed. ORP stated that the meeting should provide an indication about when to expect the plan, and then discussions could be set up for Ecology to participate in the modeling. ORP noted that modeling sessions are expected to start in the August 2014 time frame, so there is time to plan for Ecology's participation and oversight.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP stated that there have been a few modifications to the TWRWP tables since the last quarterly milestone review. The language for the second technologies has been slightly revised to reflect what is stated in the TWRWPs. ORP noted that the C-107 TWRWP is being modified to add a third technology for hot water dissolution. ORP stated that a briefing was given to Ecology by the WRPS technical team to provide the justification for deployment of the hot water dissolution in C-107. ORP stated that it continues to work with Ecology to revise the C-107 TWRWP, and comments are still being received from Ecology. ORP stated that Ecology's approval on the C-107 TWRWP is needed soon because the intent is to deploy the third technology in the near term. ORP noted that the third technology will not require additional infrastructure. ORP added that the hot water dissolution will take approximately four weeks, and it will involve scheduling resources since there is only one receiver tank for each set of retrievals occurring at the same time. Ecology

stated that a discussion was held yesterday about revising the justification for the third technology, and that the revision was to clarify why the selection was made. ORP responded that the area in the TWRWP Ecology was referring to is being revised. ORP added that the technical briefing that was given to justify the third technology will be attached to the TWRWP.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria - ORP stated that the status has not changed since the last quarterly milestone review.

Tank Retrievals with Individual Milestones - ORP stated that there was no change in status to report for tanks A-103 and S-112.

SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B Series:

Significant Past Accomplishments - ORP stated that modified sluicing was started up in C-102, and retrieval operations began April 29, 2014. ORP noted that it was the first time that the waste was disturbed as a part of retrieval, and that was the reason there were a lot of vapors. ORP added that tank C-102 has a certain amount of ammonia and has been known to be a high odor tank. ORP stated that the vapor issue caused some stop-and-go efforts at the beginning of retrieval, due to reports from the work force that the odors were disturbing them. Following one stop, a requirement was added to C Farm that the work force be on at least a half mask. The workers went through training, and retrieval was started back up for a period of time.

ORP stated that it was known that there would be a certain sludge retrieval limit in C-102 because of the sludge height issue at the receiver tank. ORP noted that efforts had been under way to resolve the gas generation issue, and the testing has been completed, with the results indicating there should not be a concern with a gas release in the sludge waste. ORP added that the documented safety analysis has not been completed, although the contractor submitted a justification for continued operations (JCO), which has been in ORP review. The JCO is now being routed for approval for C-102 to resume operations. ORP stated that while retrieval was under way in C-102, 40,000 gallons were initially retrieved, and then the 51,000 gallon administrative limit was reached. The administrative limit was set until the JCO was approved and retrieval could be started back up, which is anticipated for next week.

ORP stated that Mobile Arm Retrieval System Vacuum (MARS-V) was installed in tank C-105 last summer, and there was an issue with a leak in portable valve box 104 (POR-104). The cover block was removed on POR-104, and pressure testing with water was done, and the leak was observed coming out of the control valve. The body of the valve was tightened, and there was no more leaking observed. The lid was placed back on the box, and preparations are being made to change the connections from C-107 to C-105, with startup in C-105 expected during the last week in May 2014.

ORP reported that there was an issue with POR-008 when water in the seal pot overflowed and got sucked through the ventilation system, which is connected to C-111. The ventilation system was contaminated and had to be decontaminated, which was successful, and C-111 should be ready for

startup in July 2014, as planned. ORP noted that C-107 is awaiting approval to deploy the third technology, as previously discussed.

TWRWP Status - ORP noted that the TWRWP status is the same table that is in the TPA monthly summary report. ORP stated that a request to forego a third technology in C-101 was submitted to Ecology, and the practicability evaluation has been in Ecology review since February 18, 2014. ORP stated that it is awaiting a response from Ecology. Ecology responded that a letter response should be issued in the near term, possibly by next week. ORP stated that C-112 has had two technologies deployed to the limit, and a request to forego a third technology is in ORP review. ORP indicated that the request to forego a third technology in C-112 will be submitted to Ecology in the near term, and noted that the milestone due date is September 30, 2014, and a timely response from Ecology is needed to stay on schedule.

WTP Overall TPA and CD Summary and Milestone Status; M-62-01; M-62-49; D-00A-01, -06, -17

Waste Treatment and Immobilization Plant (WTP) Project

ORP reported that Bechtel has been working on ramping up engineering staff over the last several months, although attrition rates are slightly higher than anticipated, and the increase in engineering is taking longer than anticipated. ORP indicated that there should be a slight increase of about 200 engineering staff over the next several months. ORP stated that LAW, BOF and LAB (LBL) are at 67 percent complete, and noted that BOF and LAB are tied up with commissioning activities, resulting in a total percent completion that is lagging significantly behind construction completion

WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19

ORP noted that the current two-year interim work plan for PT and HLW ends September 30, 2014, and a letter of direction was sent to Bechtel to develop another two-year plan for FY15 and FY16, to be implemented before FY15. ORP stated that Bechtel was also sent a letter of direction to prepare the planning for authorization to proceed with production engineering for PT, similar to what was done for HLW. Bechtel is supposed to provide the planning in June 2014 so that it can be approved by September 2014.

ORP stated that the key focus in PT continues to be technical issue resolution, with the most active work focused on vessel mixing. The full scale vessel test facility is being constructed, and the hot air links were recently installed for the pulse jet mixer (PJM) controls. ORP stated that the plan is to start testing with the RLD-8 test vessel for the PJM controls in July 2014. ORP noted that Bechtel had planned to conduct the testing in September 2014, but was asked to accelerate the start of testing to July. ORP reported that there are various efforts under way associated with the high solids vessel to determine whether a single standard vessel should be used. ORP added that the optimization work with the flow sheet is under way to ensure that using a one-size smaller vessel, which is better for mixing, can support the whole flow sheet for PT. Oregon Department of

Energy (ODOE) asked about the one-size smaller vessel. ORP responded that it is for the high size vessels that have the most difficulty with mixing, and the original design was for multiple sizes from 22 feet to 30-plus feet. ORP stated that the flow sheet is being reviewed to ensure that no pinch points are created once the vessel size is reduced. ORP stated that some testing is being done for vessel erosion.

Ecology asked if ORP anticipates configuring the vessels to maintain current rates on throughput, in the event a decision is made to use the standardized vessel. ORP responded that the flow sheet study is using the same criteria for throughput.

ORP referred to the seismic upgrade determination that was made in 2008, noting that the resulting vessel analysis showed significant modification of the internal structure was needed for the existing vessels. ORP stated that based on the Energy Secretary's team and direction, Bechtel was asked to look into the criteria for the load combinations in an effort to minimize the modifications. ORP noted that many of the experts believe that a significant amount of modification could hurt the vessel as much as it could improve the vessel.

ORP stated that Bechtel is to submit a plan by the end of May 2014 for resolution of the eight technical issues, and the DOE core team is to review and approve the plan in June 2014.

WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21

ORP stated that limited civil construction activities are continuing, and Bechtel has been allowed low risk civil construction to continue as long as they review and ensure that the particular area has very low risk of modification in terms of the technical issues. ORP directed Bechtel to develop a two-year plan for FY15 and FY16 via the same letter that was sent for PT. ORP stated that the key activity for the last six months in HLW has been the planning for authorization to proceed with production engineering, and Bechtel has completed all of the project level issues review and risk assessment. The risk assessment was for all of the technical issues that could impact some of the components or systems to enable Bechtel to move forward with design. Bechtel has prepared a transition plan that will start with authorization approval for production engineering through the full authorization for procurement and construction.

ORP stated that there are three key elements for the authorization to proceed. The first element is to complete the safety design strategy (SDS), which Bechtel submitted to DOE for review last month. ORP stated that DOE provided Bechtel comments on the SDS last week, and the schedule is to complete the comment review by June 2014. The second element is the corrective action plan for Level 1 findings. ORP stated that Bechtel submitted its corrective action plan, and DOE had some questions and comments, so the plan still needs to go through some evolution. The third element is associated with the probability design and review for the HLW systems that DOE conducted, which resulted in a number of issues on reliability. ORP stated that a draft of the probability review was provided to Bechtel, and Bechtel is to develop an action plan for resolving the issues on reliability. ORP stated that the three elements will be used as part of its decision for

the authorization to proceed and will provide the conditions to allow Bechtel to work on certain systems and the additional process checks Bechtel will need to put in place.

ORP stated that in the last three months, Bechtel has revamped their engineering and nuclear safety procedures, based on all the reliability validation process (RVP) reviews, comments, and resulting issues. ORP noted that it was a significant effort, and Bechtel updated about 40 procedures. Bechtel established a gate process for its engineering document release, which will provide a checklist to ensure that the comment verification is still up to date. ORP noted that one of the issues identified during the RVP was that as updates were done, the comments did not flow down to the documents.

ORP stated that work on the HEPA filters is progressing well. The vendors have been provided the new design to build the HEPA filters, and the HEPA filters will be sent to Mississippi State University for the qualification testing.

WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09

ORP stated that on February 24, 2014, DOE requested Bechtel to develop a contract modification proposal to complete the LBL work scope in the current contract through hot commissioning, and to complete the initial planning and design to incorporate a permanent capability to accommodate a direct feed LAW (DFLAW) option. Bechtel's proposal is due May 22, 2014. ORP stated that Bechtel has indicated the engineering, procurement and construction portion of the contract modification proposal will be delivered on schedule, but Bechtel requested additional time for the startup and commissioning piece. ORP stated that there will be discussions regarding Bechtel's request for additional time.

Significant Past Accomplishments - ORP stated that the pipe support frames for the offgas exhausters were installed, and getting the offgas system completed in the +48-foot elevation continues to be the critical path for reaching that end state. ORP noted that the hydrostatic testing of piping is being done at night, and a lot of the electrical cable pulling is done on second shift since large areas have to be red barricaded.

Significant Planned Actions in the Next 6 Months – ORP stated that the refractory brick installation is scheduled to be completed by the end of this calendar year, with the exception of placing the melter lids. ORP reported that the design operability review is continuing, with an anticipated late June or early July 2014 completion date. The team is reviewing the majority of the systems in LAW, and specifically the offgas system. ORP stated that some bottleneck areas with cranes have been noted. Another issue that has been identified is that since everything in LAW is contact-handled due to the As Low As Reasonably Achievable (ALARA) concerns with heat stress, the amount of contact-handled has to be reduced. ORP added that the ALARA issue is still being evaluated, and the team is working through the process. ORP reported that the design and fabrication of the thermal catalytic oxidizer (TCO) is continuing, with a delivery date of May 2015. ORP noted that the TCO would be the last major piece of offgas equipment to be installed in the +48-foot level in LAW.

Ecology noted that DFLAW will require tank farms and WTP interface, and inquired about the status of the one system. ORP responded that WTP is starting the integration between tank farms and WTP. ORP added that it is trying to use the one system, and a well-integrated schedule is being developed. ORP stated that the organization of the one system will be used to help manage all the key milestone points between WTP and tank farms so that when LAW is operating, the PT system associated with LAW will be able to provide feed. ORP stated that the intent is to have discussions with Ecology in the near future to provide more details. ORP noted that a new manager is taking over the one system on the WRPS side to help provide focus. Ecology noted that with DFLAW, as an example, there is a whole process that the one system would be the organization to provide a clear vision of how the process will unfold. Ecology cited the transition with the operational island within WTP that will be needed for DFLAW and LAW, issues in tank farms and which tank will be used for feed as activities that will need to be managed.

WTP Balance of Facilities (BOF); D-00A-12

ORP stated that BOF is 61 percent complete overall, but that is a misleading number. ORP noted that a large portion of the over budget cost in BOF is associated with the commissioning activities, which explains why the total percent complete lags significantly behind what can be observed as the physical parts of BOF. ORP added that BOF consists of 14 primary service-providing facilities, and 12 of those facilities will be used for direct feed of LAW, with nine of the facilities in basically a construction complete status. ORP stated that the three ongoing work areas in BOF are the glass former facility, the ammonia facility, and the standby diesel generator (SDG) facility. The focal point in the glass former facility is finishing the electrical connection installation. For the ammonia facility, once some specialized valves are received, the main piping and valve assemblies will be installed. The SDG is expected to be set on the concrete pad by early fall 2014.

ORP reported that an independent review of the commercial grade dedication (CGD) process has been completed. ORP added that an effort has been focused on the CGD process for the emergency turbine generator (ETG), which is a very complex unit. ORP noted that a lot of CGD activity will be needed in the future in support of the PT facility, and efforts are under way to develop a robust CGD program that can handle not only the ETG procurement, but upcoming procurements as well. ORP stated that the future CGD procurements will not be as complex as the ETG, but will be challenging. ORP stated the CGD review team consisted of experts in the field and provided excellent feedback with the CGD process, and good progress has been made. Significant Planned Actions in the Next 6 Months – ORP stated that the plan is to turn over the nonradioactive liquid drain (NLD) facility and initiate the startup process. The NLD facility is the first of the facilities that has to start up to support all the flushing in the additional systems on site.

WTP Analytical Laboratory (LAB); D-00A-05

ORP stated that the LAB is at a built-out status, with all the major components in place, including the piping inside the components. ORP noted that the focus over the last several months has been

installation of electrical commodities, electrical cable and process instrumentation, and the bulk of the installation has been completed.

ORP stated that the key focus has been the repair to three RLD vessels, which were delivered by two different manufacturers. There were issues with all three vessels, and some of the issues were significant. As the issues were identified and further investigations were done on the vessels, more issues were discovered. ORP indicated that the contractor performance was excellent in following through on the issues and working immediately to the extent of condition. The repairs to RLD vessels 163 and 165 have been completed, and the paperwork is being closed out. ORP stated that there is some minor work left to RLD vessel 164 on the interior structural supports of the vessel, which should be finished next week. Once those repairs are completed, the false floor will be removed that was built into the vessel to support the repair work. The final examination for RLD-164 will be a dye penetrant test on the seam in the bottom of the vessel. The next steps will be a hydrostatic test on RLD-164, complete the final closeout on the deficiency reports, and then R-stamp the vessel.

Sign In Sheet
ORP TPA Quarterly Milestone Review Meeting
May 15, 2014

NAME	ORG	PHONE
ROB PIIPPO	ORSA-TPA	373-3285
JAMES LYNCH	DOE-ORP	376-4170
Jeremy Johnson	ORP	376 1866
WENDELL WRZESINSKI	ORP	376-4436
Steve Pfaff	ORP	376-2188
Dan McDonald	Ec	372-7988
Stacey Simon	OROE	(SA) 963-0853
Kathy Higgins	ORP	376-3658
Jeff Lyon	Ecology	372-7921
Joni Gindstaff	DOE-ORP	376-6202
JANE HEDGES	ECOLOGY	372-7905
Rod Cobas	EPA	376-3749
Nina Menard	Ecology	372-7941
DABRISHA SMITH	ORP	376-4306
Billie Mares	ORP	376-2112
Jason Young	ORP	376-0375
Jeff Bruggeman	ORP	438-0444
Wahed Abdul	ORP	438-0455
John Price	Ecology	372-7921



AGENDA

Office of River Protection Quarterly Milestone Review Meeting

May 15, 2014, 8:30AM-10:10AM
Ecology Offices, Conference Room 3A/B

Topic	Leads	Time
Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon	8:30
System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald	8:35
Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald	8:40
Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald	8:45
242-A Evaporator Status	Ron Koll / Jeff Lyon	8:50
DST Status	Jeremy Johnson / Jeff Lyon	8:55
SST Integrity Assurance; M-45-91	Jeremy Johnson / Michelle Hendrickson	9:00
In Tank Characterization and Summary	Billie Mauss / Michael Barnes	9:05
Tank Operations Contract (TOC) Overview	Kathy Higgins / Jeff Lyon	9:10
Single-Shell Tank Corrective Action; M-45, -50, -60	Joni Grindstaff / Jeff Lyon	9:15
Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tanks with Individual Milestones SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series	Joni Grindstaff / Jeff Lyon	9:20
WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17	Jason Young / Dan McDonald	9:30
WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19	Abdul Wahed / Dan McDonald	
WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21	Abdul Wahed / Dan McDonald	
WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09	Jeff Bruggeman / Jason Young / Dan McDonald	
WTP Analytical Laboratory (LAB); D-00A-05		
WTP Balance of Facilities (BOF); D-00A-12		10:10

ORP/Ecology TPA and CD Recent TPA AR Items, Agreements, Issues, and Action Items for May 2014

Recent Items Entered/To Be Entered into the TPA Administrative Record (see <http://pdw.hanford.gov/arpir/index.cfm/advancedSearch>)

Item Description	TPA/CD Topic Milestone Tie	TPA Admin Record - EDMC File Number
April 2014 TPA Monthly Summary Report	All	1223880
April 2014 CD Monthly Summary Report	All	1223881
Meeting Minutes for C-112 Post-Retrieval/Closure Sampling, dated 02/21/2014	SST Retrieval/Closure	1223896
TPA-CN-621, RPP-9937, Rev 3C for the SST System Leak Detection and Monitoring Functions and Requirements Document, signed 04/21/2014	TPA Primary Document	1223897
Meeting Minutes for DST Emergency Pumping Guide, dated 03/19/2014	DST Emergency Pumping Guide	1223983
Meeting Minutes for Revision of RPP-9937, WRPS-1401507, dated 03/19/2014	TPA Primary Document	1224010
Documentation for DOE-ORP and ECY Agreement that ORP Will Not Submit a One-Time Hanford Tank Waste Supplemental Treatment Technologies Report, ORP letter 14-TF-0052, dated 05/06/2014	M-062-40ZZ	1224011

Agreements:

1. ORP will continue to meet with ECY to discuss funding and work priorities per TPA Paragraphs 148/149 process.
2. Per an ECY standing request, ORP agrees to include any written directives given by DOE to the contractors for work required by the CD in future Semi-Annual CD Reports (see CD Section IV-C-1-e, page 8).
3. The ORP and ECY PMs have developed, signed, and entered an outline for the CD Tank Completion Certification into the TPA Administrative Record. Senior management will continue to be briefed if any follow-on actions arise.

Issues:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the Senior Management levels.
2. AY-102 Primary Tank Leak: Monitoring of the leak into the annulus of AY-102 continues. ORP and ECY met on 01/15/2014, 01/22/2014, 01/29/2014, and 02/05/2014 to discuss the draft pumping plan (RPP-PLAN-55220) that was submitted to ECY via ORP letter 13-TF-0049 on 06/14/2013. ORP submitted a revised pumping plan to ECY on 03/07/2014. ORP and ECY then met again on 03/17/2014 to discuss AY-102. Ecology issued Administrative Order Docket #10156 on 03/21/2014. ORP provided a request for clarification on 04/01/2014 via ORP letter 14-ORP-0043. Ecology responded to this clarification letter on 04/08/2014 via ECY letter 14-NWP-061. ORP filed a Notice of Appeal and Motion to Stay the Administrative Order on 04/17/2014 via ORP letter 14-ORP-0050.
3. T-111 and Other Single Shell Tank Level Decreases: ORP and WRPS have determined that 19 of the 20 single shell tanks showing decreased liquid levels at the Hanford Site are not actively leaking. Evaluation documents are available online at: <http://www.hanford.gov/page.cfm/SingleShellTankEvaluations>

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

Tank Farms Actions							
#	Action ID	Date Initiated	Action	Action Status	Updates / Needs for Closure	Actionee(s)	Date Closed
1	TF-14-03-01	03/24/14	ORP will set up additional meetings with ECY to discuss the Low Activity Waste Pretreatment System (LAWPS) and the Direct Feed LAW Initiative.	Open.	A meeting was held to brief the ECY WTP team on IPS (now LAWPS) and DFLAW on 12/17/13.	Pfaff / Harp	
2	TF-14-03-02	03/24/14	ECY would like more information on the Tank Waste Characterization and Staging Facility (TWCS) and the Direct Feed HLW Initiative when it becomes available.	Open.	ORP provided an initial email with a description of TWCS activities to ECY on 03/24/14.	Wheeler / Wendell / Harp	
3	TF-14-02-01	02/18/14	ECY would like a briefing from ORP/WRPS on the DQO for SY-102 and how the core sampling platform will be utilized.	Closed.	Meeting was held on 04/07/14 to close this action.	Mauss / Johnson	04/07/14
4	TF-14-02-02	02/18/14	ECY would like a schedule and project management plan (if available) for the closure of WMA C.	Open.		Kemp	
5	TF-14-01-01	01/28/14	ORP and ECY will work to complete revisions on the Hose-In-Hose Transfer Line Management Plan (RPP-12711) Revision 7. After Rev 7 is approved a TPA Chg Pckg will be submitted to make this a primary document.	Open.	ECY and ORP will meet to discuss final comments for resolution targeted for completion by mid-June.	Kemp / Fox / Alzheimer	
6	TF-13-12-01	12/19/13	ECY will provide a list of team members and their roles and responsibilities to ORP so that ORP can provide all applicable invitees to future meetings.	Open.		Lyon / McDonald	
7	TF-13-02-03	02/21/13	ECY and ORP will continue to meet at the project manager level to discuss work on the WMA C PA and other options for M-045-61/-62/-82.	Open.	ECY proposal presented to ORP on 03/26/14. ORP provided redline-strikeout comments to ECY on 04/22/14.	Kemp / Eberlein / Mathey	

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

WTP Actions							
#	Action ID	Date Initiated	Action	Action Status	Updates / Needs for Closure	Actionee(s)	Date Closed
1	WTP-14-04-01	04/22/14	ORP and ECY have a placeholder action to hold a comprehensive briefing/discussion on the PT efforts by August 1, 2014.	Open.		Delmar Noyes	
2	WTP-13-04-03	04/23/13	ORP will update ECY on a monthly basis on the path forward for the TCO vendor concerns.	Open.	On-going, status given monthly.	Jeff Bruggeman	
3	WTP-13-04-01	04/23/13	ORP will meet with ECY to discuss status on the RVP Wave I and path forward for RVP Wave II.	Open.	Wahed took the action to follow-up with Gary and close with ECY.	Gary Olsen / Wahed Abdul	

FINAL

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



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

**May 2014 (Monthly Summary Report/Project Earned Value Management System reflects
March 2014 information)**

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

CD = Consent Decree 08-5085-FVS

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

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

AOR = Analyses of Record.

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

CR = change request.

DOE = U.S. Department of Energy.

Ecology = Washington State Department of Ecology.

RCRA = Resource Conservation and Recovery Act.

SST = single-shell tank.

TPA = Tri-Party Agreement.

WMA-C = Waste Management Area C.

System Plan

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan,

Due: December 15, 2013, Status: Completed on December 12, 2013. See discussion under "Significant Past Accomplishments."

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by

ORP, Due: October 31, 2014, Status: On schedule.

M-062-45-T01, Every six years, within six months after last revision of the System Plan,

negotiate tank waste retrieval sequencing, Due: April 30, 2015, Status: On schedule.

Significant Past Accomplishments:

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

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

Current:

- Ecology, DOE-ORP and WRPS reviewed and provided comments for Appendix C of the System Plan 7 during the week of April 1, 2014.
- Starting on April 24, WRPS and DOE-ORP facilitated four meeting for Ecology to identify the detail specifics for Case 5.

Significant Planned Actions in the Next 6 Months:

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

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

Issues: None.

Acquisition of New Facilities

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

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

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

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

Significant Past Accomplishments: None.

Significant Planned Actions in the Next 6 Months: None.

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

Supplemental Treatment and Part B Permit Applications

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

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

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

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

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

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

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

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

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

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

Significant Past Accomplishments:

*Per ORP letter 14-TF-0052, signed by ORP on May 6, 2014 and provided to Ecology on May 7, 2014, ORP documented the ORP/Ecology discussions for the One-Time Hanford Tank Waste Supplemental Treatment Technologies Report and that ORP does not intend to submit this report.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

None.

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

242-A Campaign Strategy:

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

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

FY = fiscal year.
NA = not applicable.

Double-Shell Tank System Update

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

Ultrasonic Testing Activities

AP-104:

- UT Inspection of AP-104 complete, the inspection report is in review

AP-106:

- UT of AP-105 is 50% complete and continued work on the UT Engineering Report (RPP-RPT-57127).
- The next DST UT will be AP-102.

Single-Shell Tank Integrity Assurance

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

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

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

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

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

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

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

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

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

Significant Past Accomplishments:

- RPP-RPT-54916, Hanford SST Leak Causes and Locations – 241-T Tank Farm, is in external clearance review. This is the seventh report for SST leak cause and location in support of M-045-91F-T04.
- The leak cause and location analysis for TX-107 was presented to Ecology on 4/15/2014. Comments received from Ecology are being incorporated.
- In support of M-045-91G-T03, an independent expert review of the TYPE IV analysis of record and tank-to-tank interaction analysis was performed the week of April 7. The reviewers approved both analyses. Changes are being incorporated to the analysis report.
- In support of M-045-91B-T01, the drill rig is staged on 241-A-106 in preparation for coring. The coring will start pending resolution of wider vapor issues.

Significant Planned Actions in the Next 6 Months:

- Issue the TYPE IV AOR and tank-to-tank interaction analysis to complete M-045-91G-T03.
- Obtain and ship the sidewall core from TK 241-A-106.
- Issue leak cause and location reports for T and TX farms.

Issues:

Issues with tank farm vapors have impacted the scheduled start of side-wall coring.

In Tank Characterization and Summary

For the period from April 1 through April 30, 2014:

Accomplishments:

- Completed RPP-RPT-57097, *Derivation of Best-Basis Inventory for Tank 241-T-203 as of April 1, 2014*, Rev 0.
- Completed RPP-RPT-44625, *Derivation of Best-Basis Inventory for Tank 241-AW-105 as of April 1, 2014*, Rev 3.
- Completed RPP-RPT-57089, *Derivation of Best-Basis Inventory for Tank 241-T-204 as of April 1, 2014*, Rev 0.
- Completed RPP-RPT-57068, *Derivation of Best-Basis Inventory for Tank 241-B-203 as of April 1, 2014*, Rev 0.
- Completed RPP-RPT-57069, *Derivation of Best-Basis Inventory for Tank 241-B-204 as of April 1, 2014*, Rev 0
- Completed RPP-RPT-49876, *Derivation of Best-Basis Inventory for Tank 241-C-110 as of January 1, 2014*, Rev 2
- Completed RPP-PLAN-53916, *Sampling and Analysis Plan for Tank 241-C-101 Stack Chemical Emissions During Retrieval*, Rev 1.
- Completed RPP-PLAN-47036, *Sampling and Analysis Plan for Tank 241-C-111 Stack Chemical Emissions*, Rev 1.
- Completed RPP-CALC-56856, *Estimated Waste Volume Remaining in Single-Shell Tank 241-C-112 after Hard Heel Retrieval*, Rev 0.
- Completed RPP-RPT-56703, *Tank 241-C-110 Residual Waste Inventory Estimates for Component Closure Risk Assessment*, Rev 0
- Completed RPP-PLAN-52884, *Sampling Plan for Post-Retrieval Waste Solids in Tank 241-C-107*, Rev 2.
- Completed RPP-PLAN-57028, *Grab Sampling and Analysis Plan for the 241-AY-101A Leak Detection Pit*, Rev 0.
- Completed RPP-PLAN-54083, *FY2013 Grab Sampling and Analysis Plan for the 241-AY-102A Tank Annulus Leak-Detection Pit*, Rev 1.
- Completed RPP-ASMT-57086, *Monthly Waste Tank Summary Report Management Assessment*, Rev 0.
- Issued RPP-8532, *Double-Shell Tanks Chemistry Control Data Quality Objectives*, Rev 14.
- Completed 241-AN-106 post C-110/C-107 retrieval grab sampling on April 8, 2014. Nine samples were received at the lab.
- Completed 241-C-102 vapor sampling on April 27, 2014. Twelve samples were received at the lab on April 28, 2014.

Planned Action within the Next 6 Months:

Tank sampling:

- 241-AY-101A LDP grab sampling is currently scheduled for May 2014.

- 241-AY-102A LDP grab sampling is currently scheduled for May 2014.
- Tank 241-C-112 clamshell or fingertrap sampling is currently scheduled for May 2014.
- 241-AP-106 Evaporator support sampling is currently scheduled for June 2014.
- Tank 241-AZ-102 grab sampling (Evaporator campaign 14-02) scheduled for July 2014.
- Tank 241-C-111 process control grab sampling during hard heel dissolution is currently scheduled to start in July/August 2014.
- Tank 241-C-107 Drag Sampler sampling is currently scheduled for August 2014.
- Tank 241-SY-102, 1st core sample is currently scheduled for August 2014.
- Tank 241-AW-106 (Evaporator campaign 14-03) planned for September 2014.
- Tank 241-AN-101 for C-102 and C-112 retrievals planned for September 2014.
- Tank 241-AN-106 at 100% C-105 retrieval planned for September 2014.
- Tank 241-SY-102, 2nd core sample is currently scheduled for September/October 2014.
- Tank 241-AZ-102 (Evaporator campaign 15-01) planned for October 2014.

Best-Basis Inventory (BBI) updates:

The following tanks have been identified for BBI updates in FY 2014 Quarter 3:

- | | | |
|--------------|--------------|--------------|
| • 241-A-103 | • 241-BX-110 | • 241-C-108 |
| • 241-AN-101 | • 241-BY-101 | • 241-C-109 |
| • 241-AN-106 | • 241-BY-102 | • 241-C-112 |
| • 241-AP-104 | • 241-BY-103 | • 241-S-111 |
| • 241-AW-102 | • 241-C-104 | • 241-SX-106 |
| • 241-BX-101 | • 241-C-107 | • 241-U-111 |

Data Quality Objectives (DQO):

None.

Issues:

None.

TANK OPERATIONS CONTRACT OVERVIEW

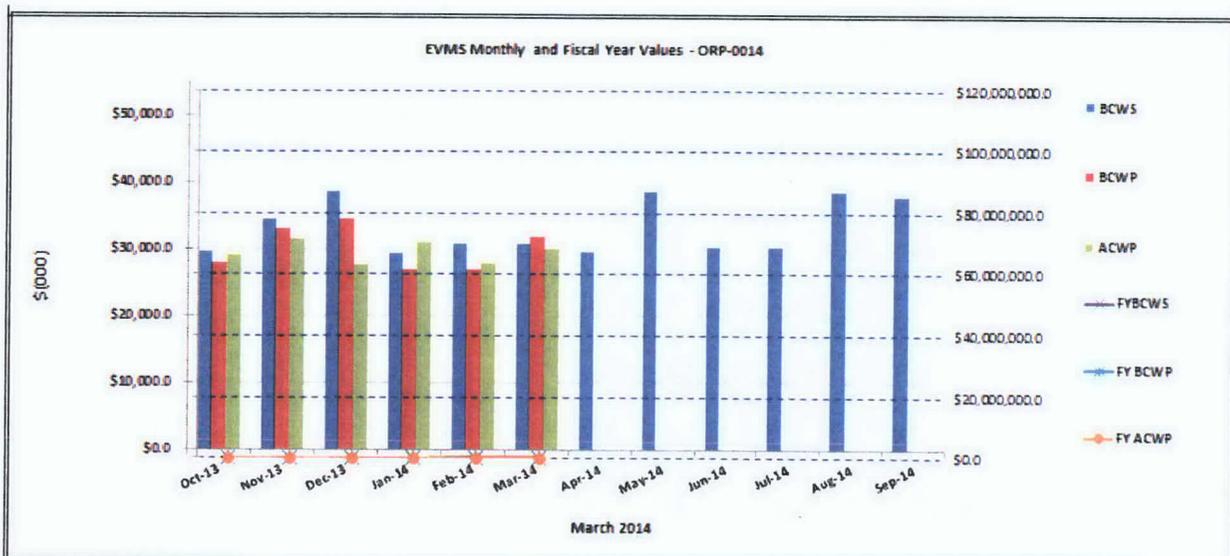
Project Performance

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

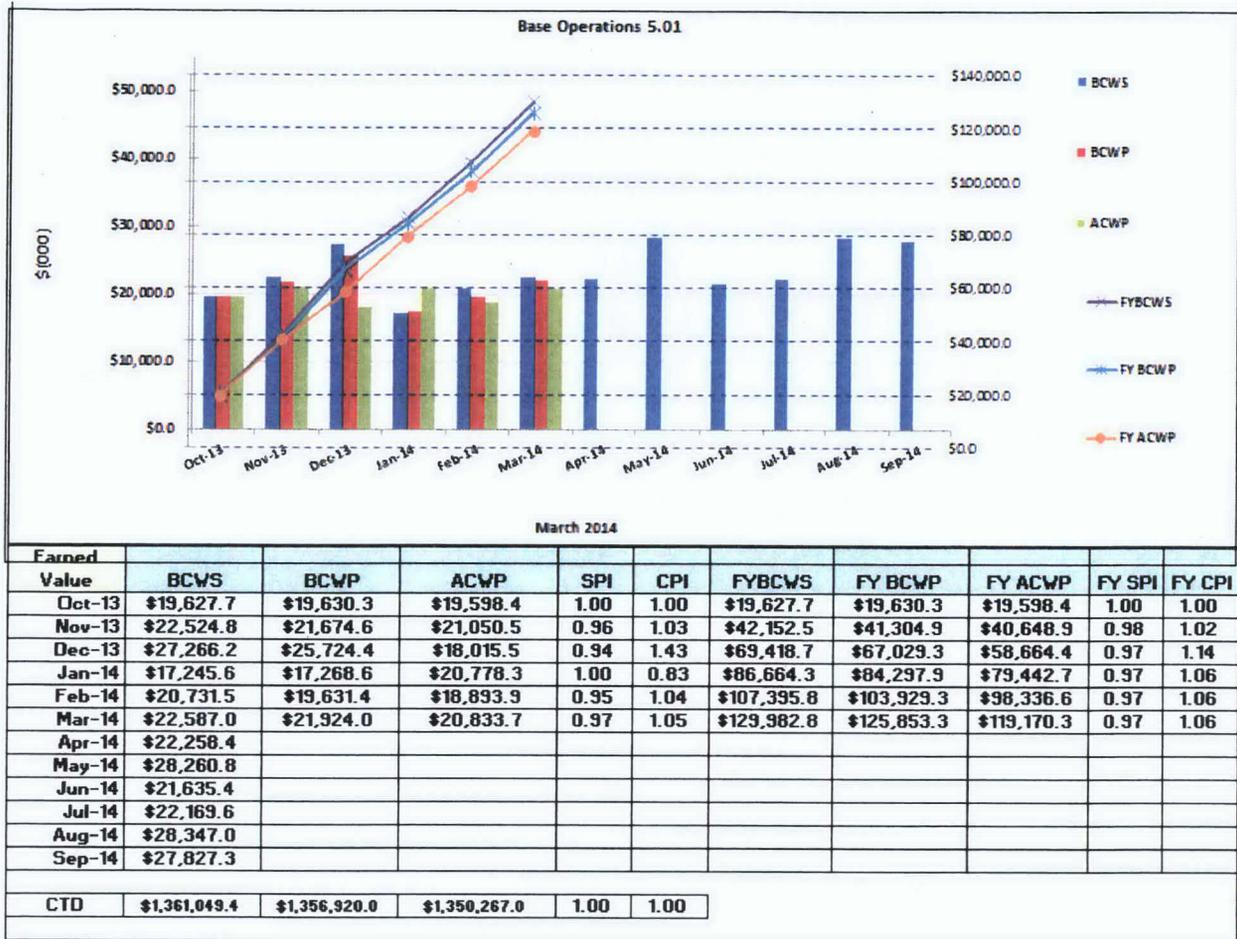
As of March 31, 2014, Washington River Protection Solutions LLC, the Tank Operations Contractor, has worked 13 days without a lost time workday injury and 12 days since the last recordable case. There was 3 recordable cases in the month of March.

February-14										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	30,709.3	31,870.0	30,045.4	1,160.7	1,824.6	1.04	1.06			
FYTD	193,616.0	181,031.7	176,914.2	(12,584.3)	4,117.5	0.94	1.02	431,789.5	421,709.3	10,080.2
CTD	2,085,359.8	2,072,775.6	2,068,658.0	(12,584.2)	4,117.6	0.99	1.00	3,159,815.0	3,147,702.1	12,112.9

Red shaded cells indicates a SPI/CPI less than 0.90
 Green shaded cells indicate a SPI/CPI between 0.90 and 0.99
 Blue shaded cells indicate a SPI/CPI greater than or equal to 1.0.



Earned Value	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-13	\$29,474.1	\$27,945.9	\$29,014.6	0.95	0.96	\$29,474.1	\$27,945.9	\$29,014.6	0.95	0.96
Nov-13	\$34,534.6	\$33,081.0	\$31,448.0	0.96	1.05	\$64,008.7	\$61,026.9	\$60,462.6	0.95	1.01
Dec-13	\$38,697.7	\$34,362.0	\$27,633.6	0.89	1.24	\$102,706.4	\$95,388.9	\$88,096.2	0.93	1.08
Jan-14	\$29,325.1	\$26,999.1	\$30,991.1	0.92	0.87	\$132,031.5	\$122,388.0	\$119,087.3	0.93	1.03
Feb-14	\$30,875.1	\$26,773.8	\$27,781.6	0.87	0.96	\$162,906.6	\$149,161.8	\$146,868.9	0.92	1.02
Mar-14	\$30,709.2	\$31,870.0	\$30,045.4	1.04	1.06	\$193,615.8	\$181,031.8	\$176,914.3	0.94	1.02
Apr-14	\$29,452.1									
May-14	\$38,599.2									
Jun-14	\$30,214.0									
Jul-14	\$30,308.9									
Aug-14	\$38,682.2									
Sep-14	\$37,840.4									
CTD	\$2,085,359.8	\$2,072,775.6	\$2,068,658.0	0.99	1.00					



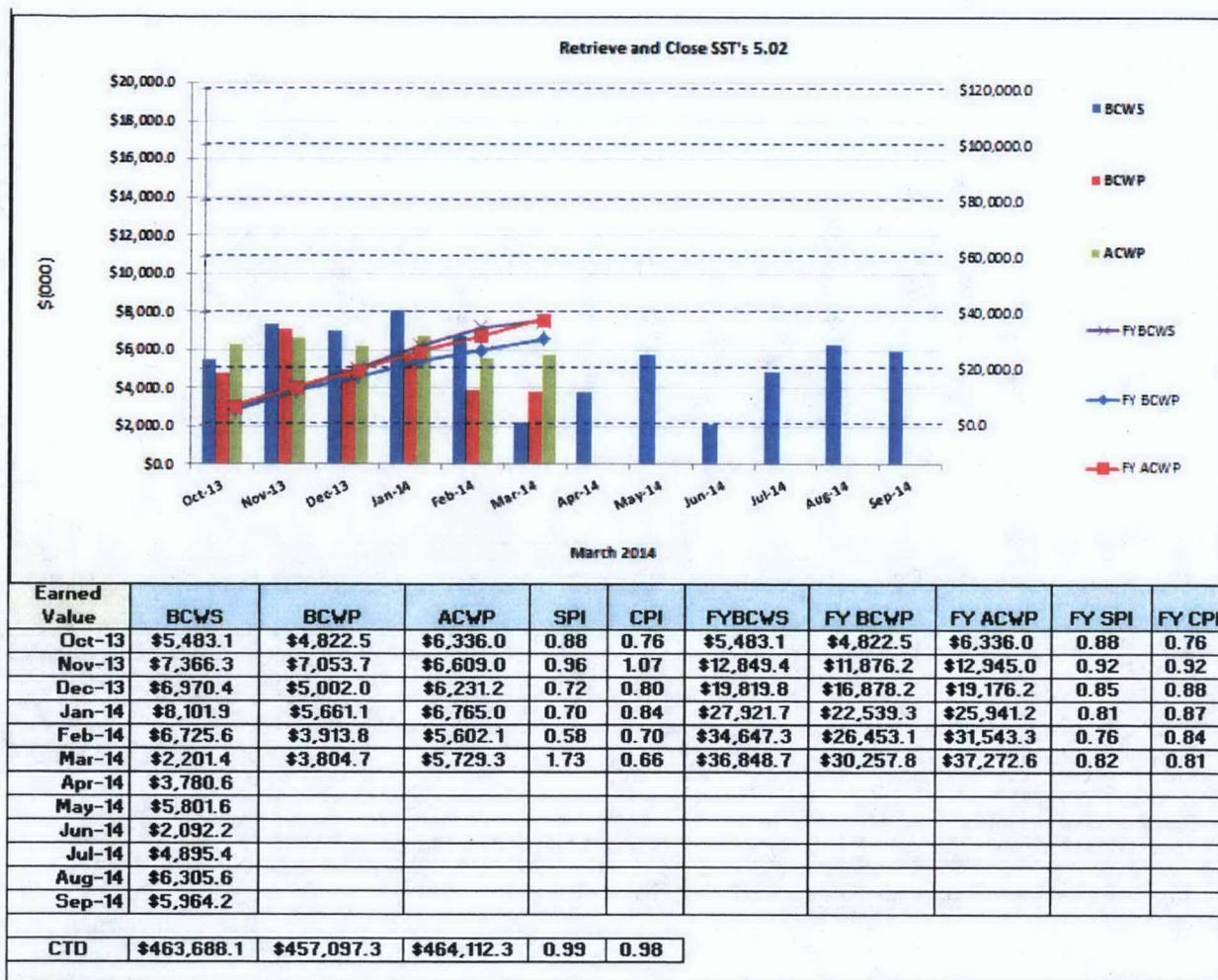
Base Operations and Tank Farm Projects

The current month unfavorable schedule variance (SV) of (\$663K) is due to:

- DST to DST transfer delays in Evaporator Campaigns
- Delay in performing the AZ-102 Recirculation.

The current month favorable cost variance (CV) of \$1,060K is due to:

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



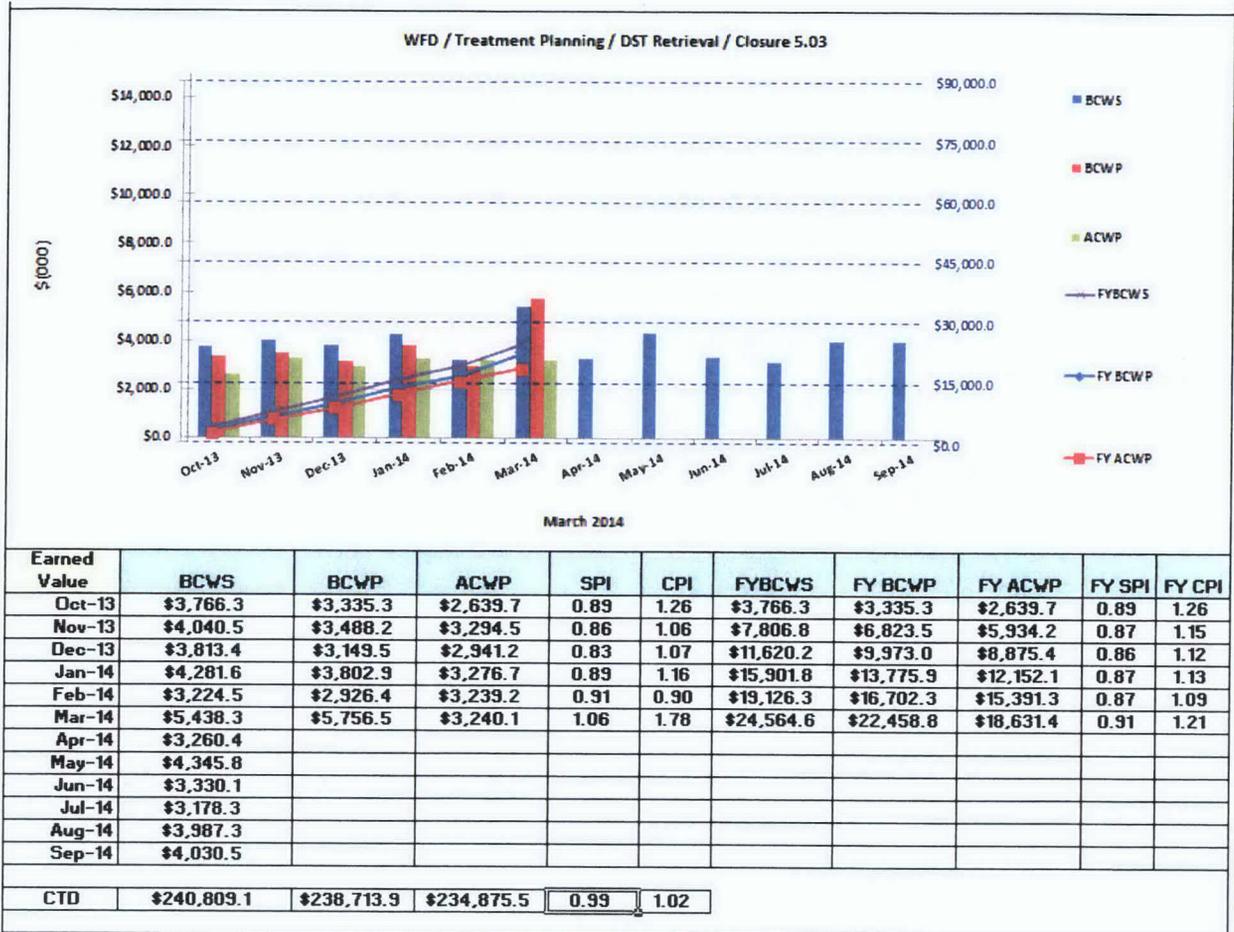
Retrieval and Close Single-Shell Tanks

The current month unfavorable cost variance (CV) of (\$1,925K) is due to:

- C-107 additional costs for hard heel removal duration longer than planned
- C-105 additional costs for engineering needed to complete the functional safety analysis. This document is required prior to issuance of the C-105 operational readiness checklist.

The current month favorable schedule variance (SV) of \$1,603K is due to:

- C-111 schedule recovery of construction activities which included the replacement of the High Pressure Water Skid, installation of the water flow meter, and the in service leak check.



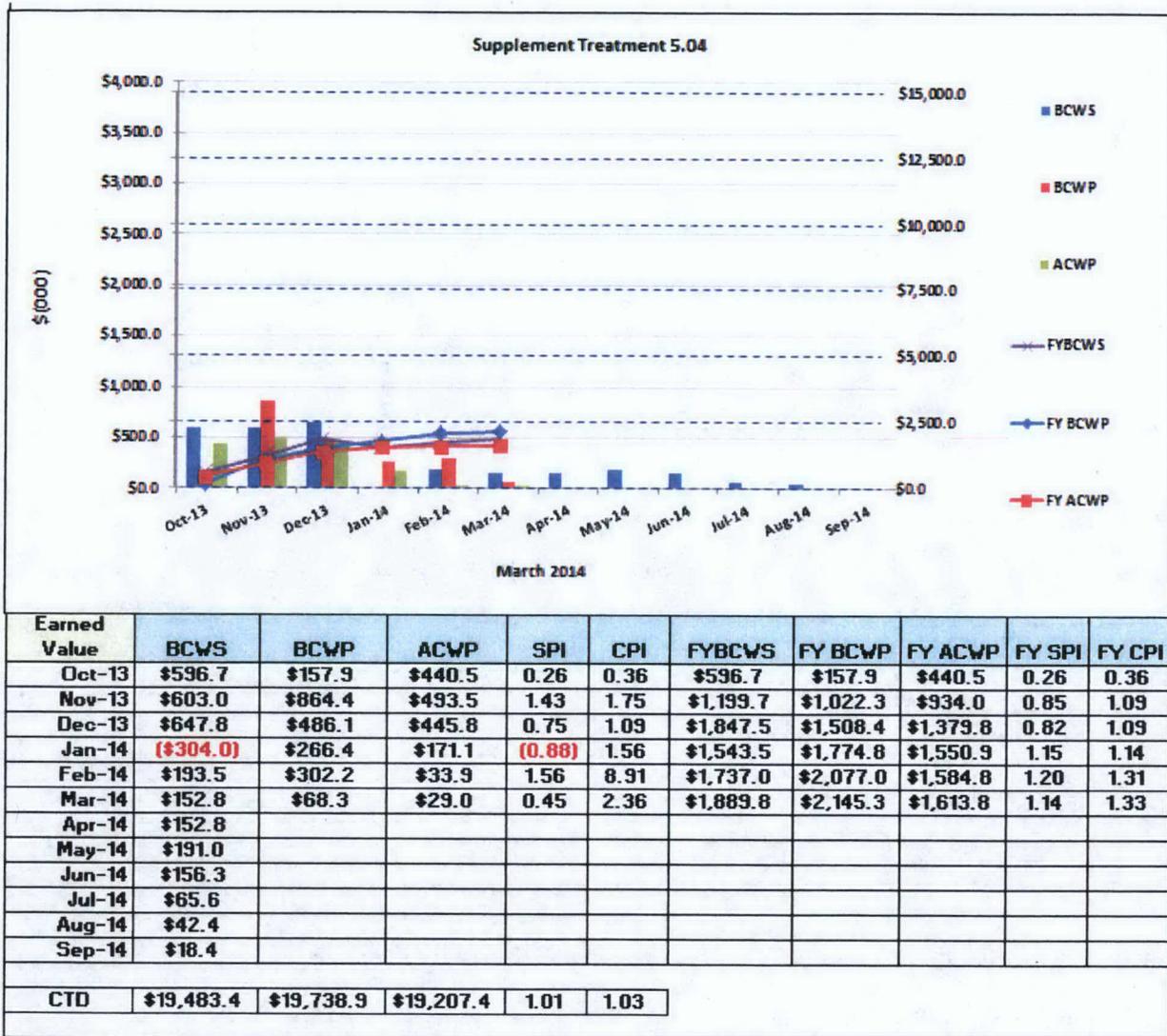
Waste Feed Delivery/Treatment/Double-Shell Tank Retrieval Closure

The current month favorable schedule variance (SV) of \$329K is due to:

- Acceleration of work in the Waste Compatibility work package.

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

- Strategic Initiative planning additional tasks not planned.



Supplemental Treatment

The current month unfavorable schedule variance (SV) of \$85K is within the non-reporting threshold.

The current month favorable cost variance (CV) of \$39K is also within the non-reporting threshold.

Work Breakdown Structure 5.2 Retrieve and Close Single-Shell Tanks

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

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

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

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

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

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

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

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

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

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

M-045-920, Submit a Final Design and Monitoring Plan for Interim Barrier 3, Due: June 30, 2015, Status: On schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

Significant Past Accomplishments:

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

Significant Planned Actions in the Next 6 Months:

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

SST Retrieval and Closure Program

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

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

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

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

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

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

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

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

Significant Past Accomplishments:

- Completed post-retrieval logging of the drywells near C-104 and C-109 to support the retrieval data reports.
- Retrieval completion certification for C-110 was transmitted to Ecology on January 29, 2014 under ORP letter 14-TF-0007.
- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next 6 Months:

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

Issues:

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

Tank Waste Retrieval Work Plan Status

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

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

Significant Accomplishments:

None.

Significant Planned Activities in the Next 6 Months:

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

Issues:

None.

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

None.

Significant Planned Activities in the Next 6 Months:

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

Issues:

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

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

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

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

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

Significant Past Accomplishments:

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

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

Tank 241-S-112

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

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

Significant Past Accomplishments:

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

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

FINAL

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

Office of River Protection**Consent Decree 08-5085-FVS
Monthly Summary Report****May 2014 (Monthly Summary Report/Project Earned Value Management System reflects
March 2014 information)**

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

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

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

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

Consent Decree Reports/Reviews

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

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

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

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

Single-Shell Tank Retrieval Program

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

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

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

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

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

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

Significant Past Accomplishments:

- Completed C-102 Modified Sluicing startup and began retrieval operations.
- Continued testing of equipment for the Mobile Arm Retrieval System-Vacuum (MARS-V) at C-105. All major equipment has been installed, continued Construction Acceptance Testing (CAT) of the installed system.
- Continued C-107 Mobile Arm Retrieval System operation, utilizing high pressure water operations for hard heel removal, with the second technology. ORP presented a discussion on meeting the limit of technology for this second technology on April 22, 2014.
- Repairs were initiated for a valve leak in POR104 valve box, this leak is impacting C-105 and C-107 retrieval activities.
- Continued construction activities for installation of equipment for hard heel removal system at C-111, continued with CAT testing.

Significant Planned Activities in the Next 6 Months:

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

Issues:

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

Tank Waste Retrieval Work Plan Status

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

ERSS = Extended Reach Sluicing System.

MARS = Mobile Arm Retrieval System.

S = sluicing.

TWRWP = Tank Waste Retrieval Work Plan.

V = vacuum.

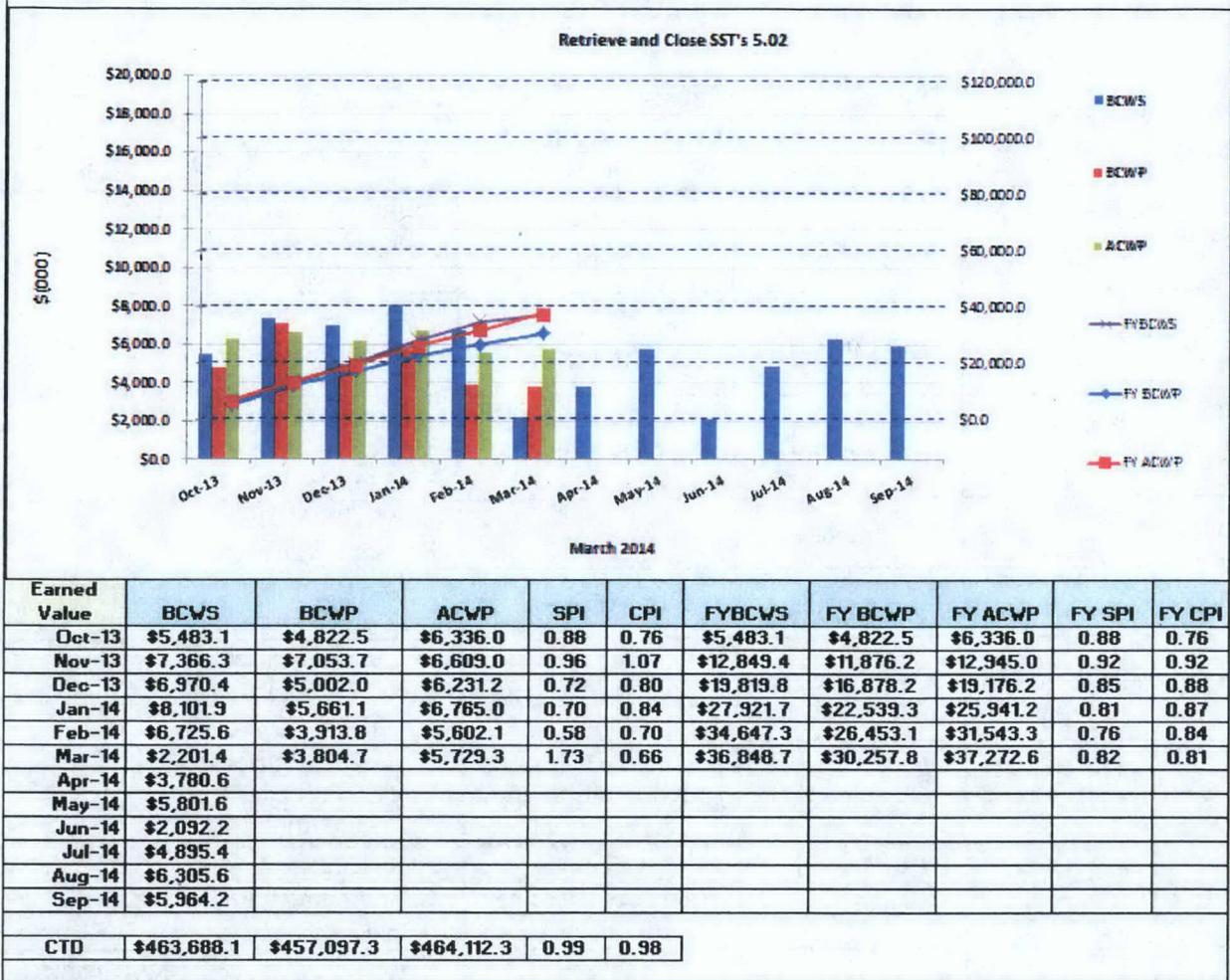
Significant Accomplishments: None.

Significant Planned Activities in the Next 6 Months:

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

Issues: None.

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



Waste Treatment and Immobilization Plant Project

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

The Waste Treatment and Immobilization Plant (WTP) Project currently employs approximately 2,385 full-time equivalent contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 626 craft, 393 nonmanual, and 157 subcontractor full-time equivalent personnel working at the WTP construction site (all facilities).

As of March 2014, the combined Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) (collectively LBL) were 67-percent complete, design and engineering was 81-percent complete, procurement was 84-percent complete, construction was 78-percent complete, and startup and commissioning was 12-percent complete.

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

In March 2014, the cumulative to-date WTP Project schedule variance was a negative \$91.5 million, and the cumulative to-date WTP Project cost variance was a negative \$11.7 million. The major contribution to the cumulative to-date cost and schedule variance is based on the progress of the LBL replan and PT/HLW 2-Year Interim Work Plan.

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

Significant Past Accomplishments:

- Started conceptual design for a standardized vessel for waste streams with high solids content (PT)
- Completed leak testing and glovebox installation for 2 auto samplers (HLW)
- Completed 2 concrete placements (HLW)
- Completed hydrostatic testing of 4,790 linear feet of piping (LAW)
- Installed 1,090 linear feet of electrical conduit and pulled 12,000 linear feet of cable (LAW)
- Installed the East, West, and Center electrodes along the South side of both melters (LAW)
- Completed an independent review of commercial grade dedication activities for the emergency turbine generator (BOF)

Significant Planned Actions in the Next 6 Months:

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

Issues:

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

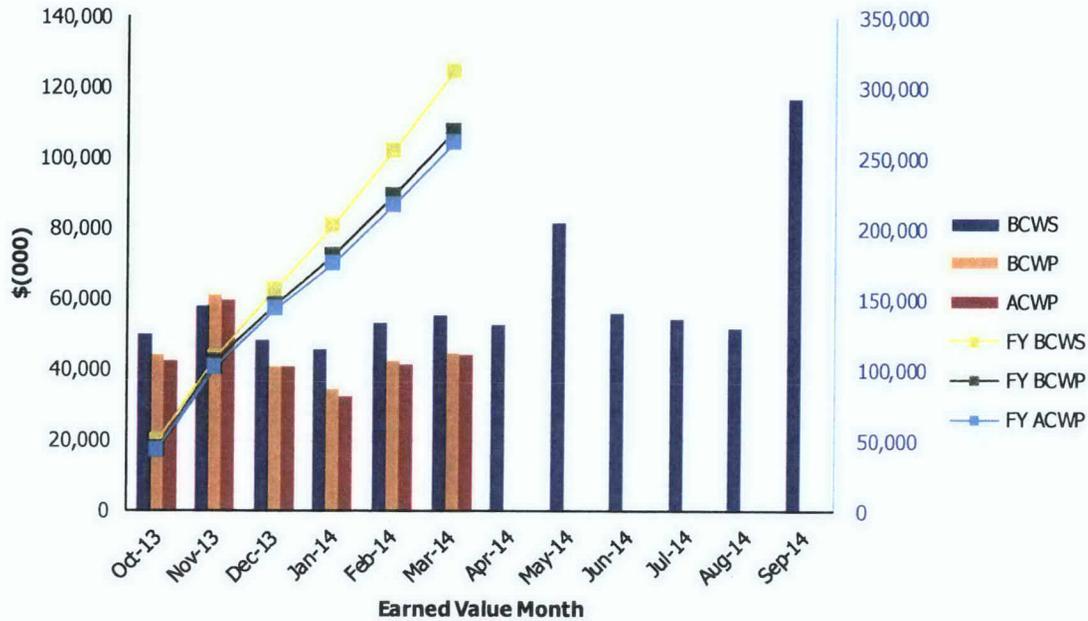
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: March 2014

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$49,959	\$43,981	\$42,448	0.88	1.04	\$49,959	\$43,981	\$42,448	0.88	1.04
Nov 2013	\$58,047	\$61,276	\$59,935	1.06	1.02	\$108,006	\$105,257	\$102,383	0.97	1.03
Dec 2013	\$48,739	\$41,149	\$40,881	0.84	1.01	\$156,745	\$146,406	\$143,264	0.93	1.02
Jan 2014	\$45,633	\$34,448	\$32,185	0.75	1.07	\$202,378	\$180,854	\$175,449	0.89	1.03
Feb 2014	\$53,315	\$42,491	\$41,349	0.80	1.03	\$255,693	\$223,345	\$216,798	0.87	1.03
Mar 2014	\$55,327	\$44,937	\$44,053	0.81	1.02	\$311,020	\$268,282	\$260,851	0.86	1.03
Apr 2014	\$52,930									
May 2014	\$81,726									
Jun 2014	\$56,083									
Jul 2014	\$54,292									
Aug 2014	\$51,488									
Sep 2014	\$116,961									
PTD	\$8,101,232	\$8,009,757	\$8,021,461	0.99	1.00					

Pretreatment Facility

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

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

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

Significant Past Accomplishments:

- Continued PT resumption planning
- Continued construction at Full-Scale Test Facility with lifting of the control hut into position
- Continued jet impingement testing for erosion
- Started conceptual design for a standard high solid vessel through modeling

Significant Planned Actions in the Next 6 Months:

- Evaluate potential savings relative to storing procured commodities at site compared to storing at vendor facilities during suspensions of procurements
- Award sensitivity tests for erosion in vessels and piping and start slurry pot testing for erosion
- Update basis of design for safety classification regarding seismic analysis of vessels
- Finalize test plan, simulant composition, and test instrument list for full-scale vessel mixing tests
- Define standardized vessel selection criteria in support of vessel mixing resolution

- Issue PT Vessel Structural Technical Decision Plan to support a standardized vessel
- Receive BNI plan for resolution of criticality and hydrogen generation in vessels
- Complete construction at Full Scale Vessel Testing Facility

Issues:

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

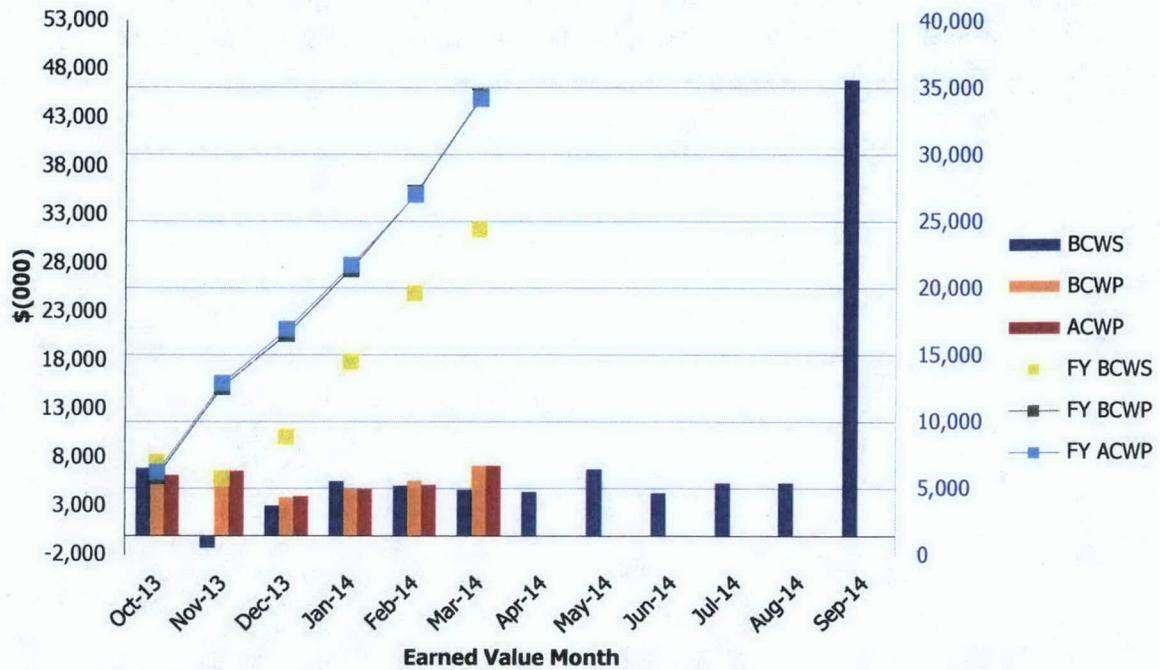
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: March 2014

**River Protection Project
Pretreatment Facility**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$6,954	\$5,927	\$6,224	0.85	0.95	\$6,954	\$5,927	\$6,224	0.85	0.95
Nov 2013	(\$1,213)	\$6,673	\$6,646	-	1.00	\$5,741	\$12,600	\$12,870	2.19	0.98
Dec 2013	\$3,109	\$3,957	\$4,053	1.27	0.98	\$8,850	\$16,557	\$16,923	1.87	0.98
Jan 2014	\$5,616	\$4,856	\$4,809	0.86	1.01	\$14,466	\$21,413	\$21,732	1.48	0.99
Feb 2014	\$5,155	\$5,673	\$5,261	1.10	1.08	\$19,621	\$27,086	\$26,993	1.38	1.00
Mar 2014	\$4,751	\$7,210	\$7,173	1.52	1.01	\$24,372	\$34,296	\$34,166	1.41	1.00
Apr 2014	\$4,526									
May 2014	\$6,845									
Jun 2014	\$4,421									
Jul 2014	\$5,437									
Aug 2014	\$5,459									
Sep 2014	\$46,949									
PTD	\$1,551,662	\$1,544,305	\$1,541,911	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 HLW Facility will receive the separated HLW concentrate from the PT Facility. This concentrate will be blended with glass formers and converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters. After cooling, the canisters will be sealed and decontaminated before shipment to interim storage.

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

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

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

Significant Past Accomplishments:

- Completed two concrete placements
- HLW Facility efforts focused on supporting the authorization to proceed decision, and included the following activities:
 - Continued supporting the HLW Facility Design and Operability Review Team, and developing the resolution plan
 - HLW Facility Safety Design Strategy submitted to DOE for review
 - Implementing the updated Engineering and E&NS processes and procedures
- Completed leak testing and glovebox installation for 2 auto samplers

Significant Planned Actions in the Next 6 Months:

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

Issues:

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

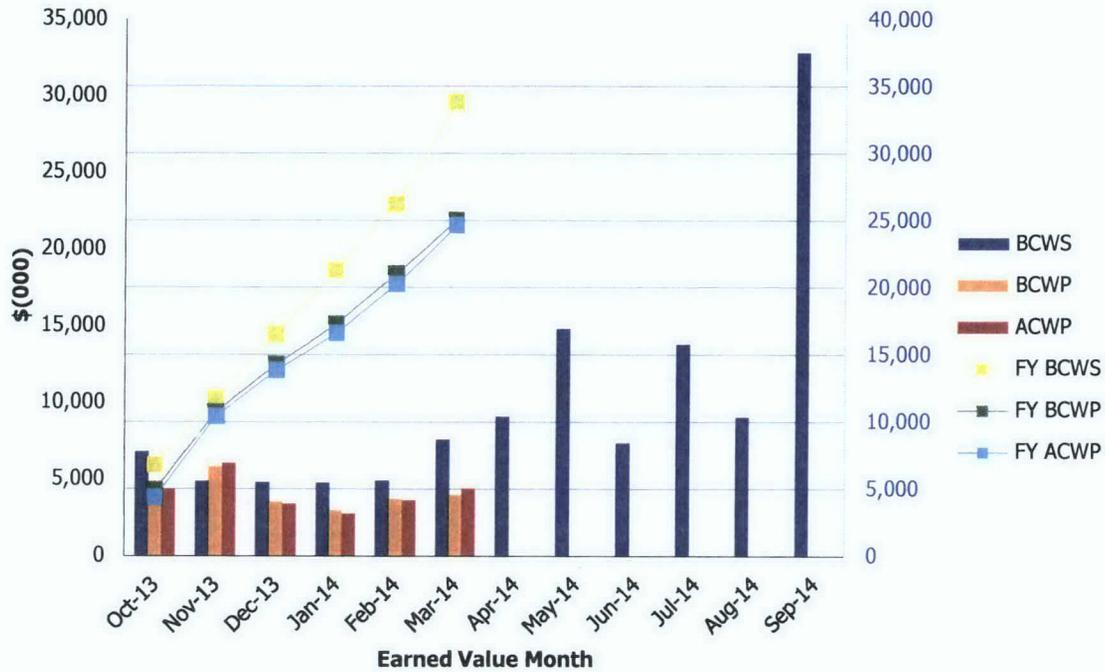
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: March 2014

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$6,818	\$4,914	\$4,390	0.72	1.12	\$6,818	\$4,914	\$4,390	0.72	1.12
Nov 2013	\$4,892	\$5,842	\$6,055	1.19	0.96	\$11,710	\$10,756	\$10,445	0.92	1.03
Dec 2013	\$4,811	\$3,559	\$3,420	0.74	1.04	\$16,521	\$14,315	\$13,865	0.87	1.03
Jan 2014	\$4,778	\$2,998	\$2,760	0.63	1.09	\$21,299	\$17,313	\$16,625	0.81	1.04
Feb 2014	\$4,927	\$3,736	\$3,647	0.76	1.02	\$26,226	\$21,049	\$20,272	0.80	1.04
Mar 2014	\$7,612	\$4,010	\$4,391	0.53	0.91	\$33,838	\$25,059	\$24,663	0.74	1.02
Apr 2014	\$9,106									
May 2014	\$14,818									
Jun 2014	\$7,379									
Jul 2014	\$13,796									
Aug 2014	\$9,052									
Sep 2014	\$32,827									
PTD	\$1,020,641	\$1,014,239	\$1,007,533	0.99	1.01					

Low-Activity Waste Facility

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

The LAW Facility will process LAW that will be mixed with glass formers, vitrified into glass at a design capacity of 30 metric tons per day, and placed in stainless steel containers that are anticipated to be disposed of on the Hanford Site in the Integrated Disposal Facility. As of March 2014, the LAW Facility was 68-percent complete overall, with engineering design 80-percent complete, procurement 88-percent complete, construction 73-percent complete, and startup and commissioning 6-percent complete. On February 24, 2014, the Department of Energy requested that BNI develop a contract modification proposal for: 1) completing the LAW Facility, BOF and Analytical Laboratory work scope in the current contract through hot commissioning, and 2) completing initial planning and design for incorporating a permanent capability to accommodate a direct feed LAW (DFLAW) option in the WTP project.

Significant Past Accomplishments:

- Installed the East, West, and Center electrodes along the South side of both melters
- Installed the pipe support frames for the Offgas Exhausters
- Placed concrete housekeeping pads for the HEPA filter housings
- Completed hydrostatic testing of 4,790 linear feet of piping
- Installed 1,090 linear feet of electrical conduit and pulled 12,000 linear feet of cable

Significant Planned Actions in the Next 6 Months:

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

Issues:

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

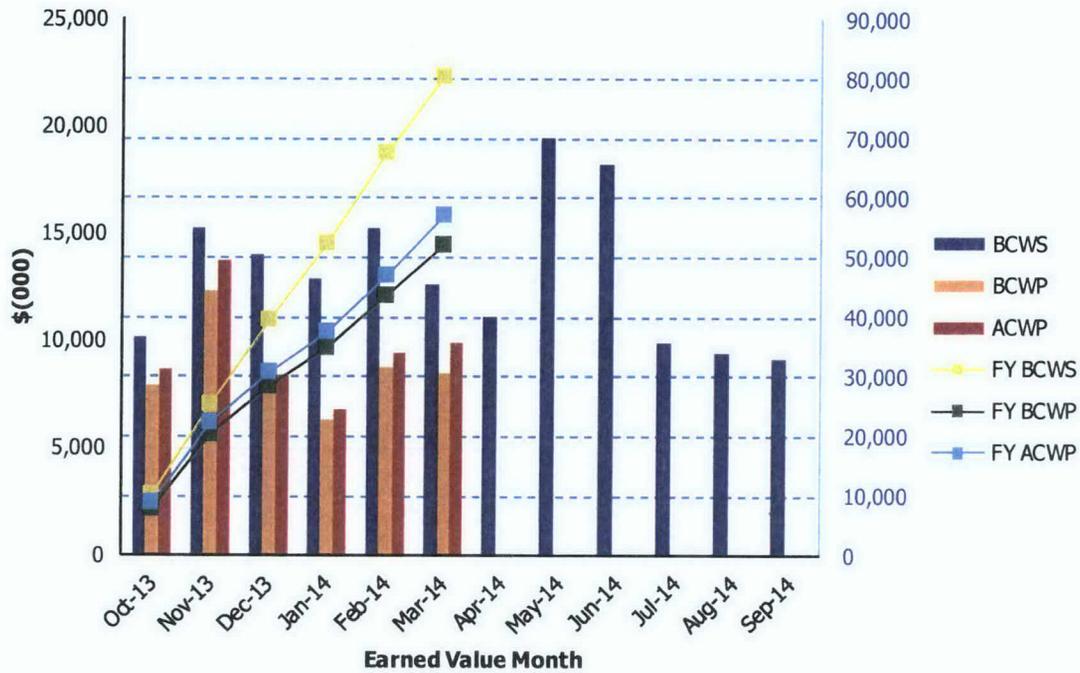
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Data Set: FY 2014 Earned Value Data

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$10,160	\$7,952	\$8,677	0.78	0.92	\$10,160	\$7,952	\$8,677	0.78	0.92
Nov 2013	\$15,237	\$12,339	\$13,732	0.81	0.90	\$25,397	\$20,291	\$22,409	0.80	0.91
Dec 2013	\$14,003	\$8,214	\$8,389	0.59	0.98	\$39,400	\$28,505	\$30,798	0.72	0.93
Jan 2014	\$12,919	\$6,382	\$6,795	0.49	0.94	\$52,319	\$34,887	\$37,593	0.67	0.93
Feb 2014	\$15,254	\$8,750	\$9,433	0.57	0.93	\$67,573	\$43,637	\$47,026	0.65	0.93
Mar 2014	\$12,596	\$8,478	\$9,852	0.67	0.86	\$80,169	\$52,115	\$56,878	0.65	0.92
Apr 2014	\$11,129									
May 2014	\$19,428									
Jun 2014	\$18,226									
Jul 2014	\$9,943									
Aug 2014	\$9,406									
Sep 2014	\$9,120									
PTD	\$884,667	\$841,604	\$900,158	0.95	0.93					

Balance of Facilities

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

The BOF will provide services and utilities to support operation of the main production facilities: PT, HLW, LAW, and LAB. As of March 2014, BOF was 61-percent complete overall, with engineering design 83-percent complete, procurement 71-percent complete, construction 80-percent complete, and startup and commissioning 15-percent complete.

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

Significant Past Accomplishments:

- Placed the SDG offload slab and Diesel Fuel Oil offload slab
- Continued installation of branch connections for underground piping systems
- Completed independent review of commercial grade dedication for emergency turbine generator

Significant Planned Actions in the Next 6 Months:

- Complete construction of the Glass Former Storage Facility
- Turn over the nonradioactive liquid waste disposal system from construction to startup
- Complete component testing of the low-voltage, medium-voltage, and fire detection systems for switchgear Buildings 87 and 91

Issues:

No major issues at this time.

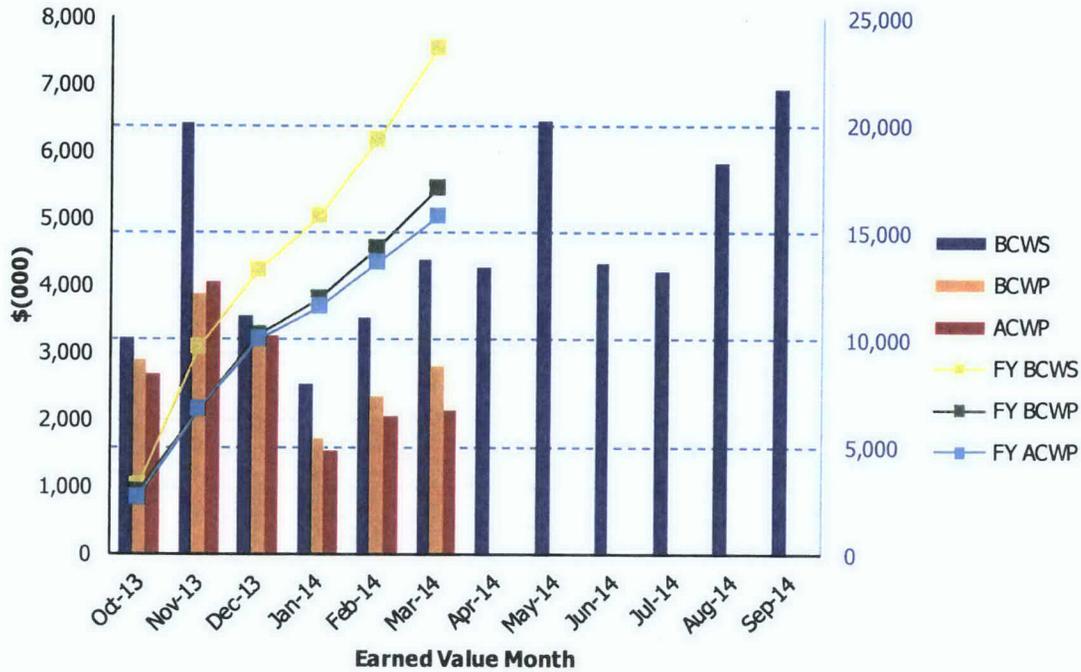
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2014 Earned Value Data

Data as of: March 2014

**River Protection Project
Balance of Facilities**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$3,218	\$2,901	\$2,679	0.90	1.08	\$3,218	\$2,901	\$2,679	0.90	1.08
Nov 2013	\$6,431	\$3,886	\$4,067	0.60	0.96	\$9,649	\$6,787	\$6,746	0.70	1.01
Dec 2013	\$3,547	\$3,395	\$3,267	0.96	1.04	\$13,196	\$10,182	\$10,013	0.77	1.02
Jan 2014	\$2,538	\$1,737	\$1,562	0.68	1.11	\$15,734	\$11,919	\$11,575	0.76	1.03
Feb 2014	\$3,528	\$2,356	\$2,047	0.67	1.15	\$19,262	\$14,275	\$13,622	0.74	1.05
Mar 2014	\$4,394	\$2,806	\$2,163	0.64	1.30	\$23,656	\$17,081	\$15,785	0.72	1.08
Apr 2014	\$4,277									
May 2014	\$6,468									
Jun 2014	\$4,329									
Jul 2014	\$4,212									
Aug 2014	\$5,827									
Sep 2014	\$6,945									
PTD	\$350,369	\$334,731	\$327,155	0.96	1.02					

Analytical Laboratory

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

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. As of March 2014, the LAB was 74-percent complete overall, with engineering design 82-percent complete, procurement 86-percent complete, construction 89-percent complete, and startup and commissioning 24-percent complete.

Engineering efforts are focused on supporting RLD vessel repairs and finalizing the electrical engineering portions of the LAB design. Construction efforts are focused on completing the repair of RLD vessel 164 and installation of instrument tubing and electrical commodities to support the completion of LAB construction.

Significant Past Accomplishments:

- Continued fabrication and installation of the stack discharge monitoring mega-hangers
- Continued installation of penetration seals and fireproofing
- Pulled 2,590 linear feet of cable, and completed 770 terminations

Significant Planned Actions in the Next 6 Months:

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

Issues:

No major issues at this time.

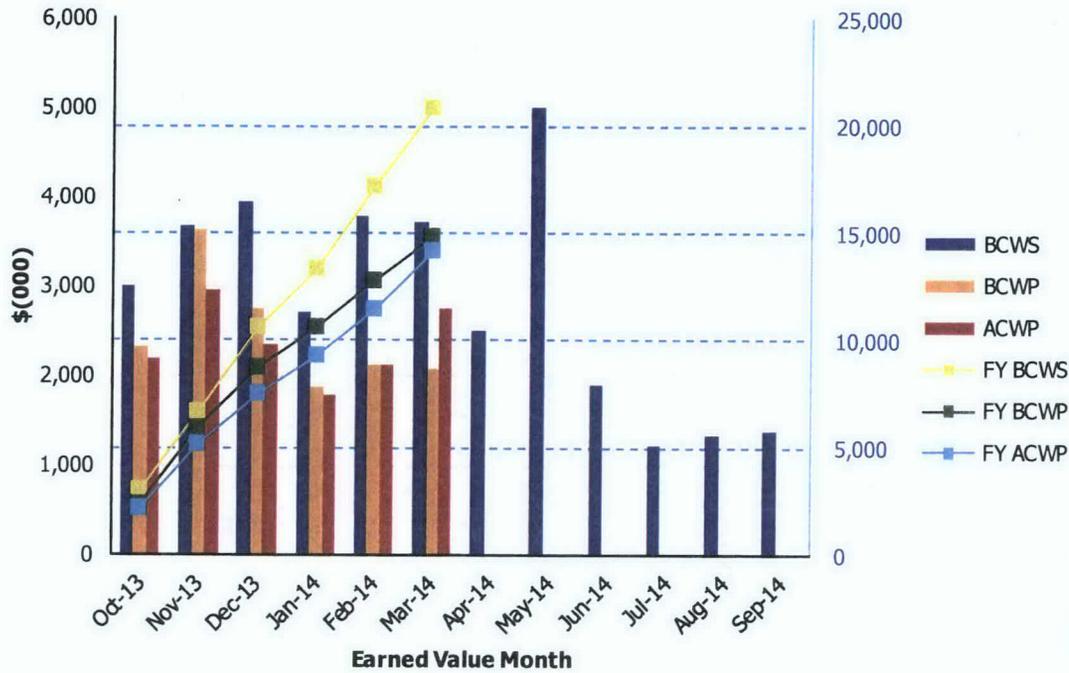
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Data Set: FY 2014 Earned Value Data

Data as of: March 2014

**River Protection Project
Analytical Laboratory**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2013	\$3,008	\$2,328	\$2,196	0.77	1.06	\$3,008	\$2,328	\$2,196	0.77	1.06
Nov 2013	\$3,689	\$3,629	\$2,959	0.98	1.23	\$6,697	\$5,957	\$5,155	0.89	1.16
Dec 2013	\$3,943	\$2,750	\$2,350	0.70	1.17	\$10,640	\$8,707	\$7,505	0.82	1.16
Jan 2014	\$2,705	\$1,875	\$1,788	0.69	1.05	\$13,345	\$10,582	\$9,293	0.79	1.14
Feb 2014	\$3,783	\$2,130	\$2,126	0.56	1.00	\$17,128	\$12,712	\$11,419	0.74	1.11
Mar 2014	\$3,718	\$2,080	\$2,751	0.56	0.76	\$20,846	\$14,792	\$14,170	0.71	1.04
Apr 2014	\$2,501									
May 2014	\$4,999									
Jun 2014	\$1,894									
Jul 2014	\$1,234									
Aug 2014	\$1,351									
Sep 2014	\$1,381									
PTD	\$257,885	\$247,874	\$266,674	0.96	0.93					

Waste Treatment Plant Project - (LBL) Percent Complete Status
Through March 2014

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Plant Operations Unallocated Dollars			Project Management & Shared Services 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	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities	1,231.9	841.6	68%	325.2	261.4	80%	262.4	229.9	88%	463.9	339.4	73%	178.6	10.9	6%	1.9	0.0	0%
Low-Activity Waste	337.0	247.9	74%	72.8	59.5	82%	55.5	48.0	86%	138.5	123.9	89%	69.9	16.5	24%	0.6	0.0	0%
Analytical Lab	549.8	334.7	61%	95.0	78.8	83%	74.5	53.2	71%	224.0	179.9	80%	155.7	22.8	15%	0.6	0.0	0%
Balance of Facilities	2,118.7	1,424.2	67%	493.0	399.8	81%	392.4	331.1	84%	826.4	643.2	78%	404.2	50.2	12%	3.0	0.0	0%
Total LBL	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%	n/a	n/a	n/a
High-Level Waste	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%	n/a	n/a	n/a
Pretreatment	4,726.9	3,632.6	77%	1,047.0	977.9	93%	451.7	395.0	87%	1,436.5	1,143.0	80%	453.5	133.2	29%	n/a	n/a	n/a
Shared Services	8,722.8	5,965.2	68%	2,173.1	1,948.9	90%	1,565.5	1,124.8	72%	2,887.6	1,764.8	61%	758.5	143.2	19%	n/a	n/a	n/a
Total HLW/PT/SS	10,841.5	7,389.4	68%	2,666.1	2,348.7	88%	1,957.9	1,455.9	74%	3,714.0	2,408.0	65%	1,162.7	193.4	17%	n/a	n/a	n/a
Undistributed Budget																		
Total WTP																		

PT/HLW/SS Percent Complete Status Frozen as of September 2012 (due to project rebaselining efforts)

Source: Preliminary WTP Contract Performance Report - Format 1, Data for March 2014

Note: In September 2012, the LBL Replan was incorporated into the project OTB baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values. In October 2012, the PT/HLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PT/HLW/SS facility budgets, this was due to a work scope shift from the Distributed budget to UB. Percent Complete Values shown for PT, HLW and SS have been frozen with the September 2012 values due to the Interim Work Plan and budgets being moved into UB. UB value for the project for PT/HLW/SS is \$2,014M. The percent complete values for the Total WTP are the current total LBL BCWP added to the Frozen HLW/PT/SS BCWP values. In March 2014, Project Controls and Project Management/Shared Services control accounts into the facilities with new control accounts being set up in the facilities. These will now be seen under Project Management/Shared Services by facility. The Shared Services PMB value has not been changed to reflect this change due to the freeze on HLW/PT and SS and the budgets remaining in UB.