

ORP Project Managers Meeting
March 26, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

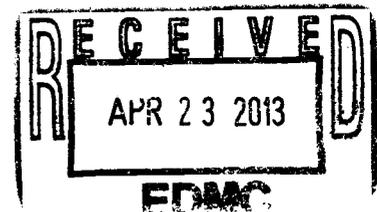
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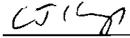
W. Abdul	ORP	H6-60
J. M Bruggeman	ORP	H6-60
S. L. Charboneau	ORP	H6-60
J. F. Grindstaff	ORP	H6-60
F. B. Hidden	ORP	H6-60
L. A. Huffman	ORP	H6-60
J. M. Johnson	ORP	H6-60
C. J. Kemp	ORP	H6-60
D.P. Knight	ORP	H6-60
J. J. Lynch	ORP	H6-60
D. L. Noyes	ORP	H6-60
G. B. Olsen	ORP	H6-60
S. C. Stubblebine	ORP	H6-60
G. D. Trenchard	ORP	H6-60
J.D. Young	ORP	H6-60
D. Becker	Ecology	H0-57
R.K. Biyani	Ecology	H0-57
A.S. Carlson	Ecology	H0-57
T.Z. Gao	Ecology	H0-57
J. J. Lyon	Ecology	H0-57
J. D. McDonald	Ecology	H0-57
J. Price	Ecology	H0-57
H.M. Bowers	WRPS	H6-14
J.W. Donnelly	WRPS	H3-26
J. J. Luke	WRPS	H6-14
S. E. Killoy	WRPS	H6-14
R. J. Skwarek	WRPS	H3-28
R. A. Kaldor	MSA	H7-28
R. E. Piippo	MSA	H7-28

ADMINISTRATIVE RECORD – Heather Childers: H6-08

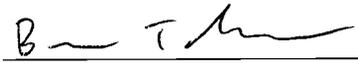
The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.



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Chris Kemp, DOE-ORP

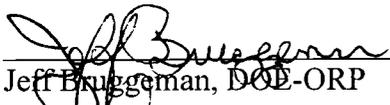
Date: 4-23-13


for Wahed Abdul, DOE-ORP

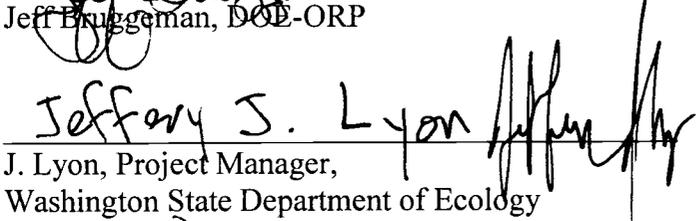
Date: 4/23/13


Jason Young, DOE-ORP

Date: 4/23/13


Jeff Bruggeman, DOE-ORP

Date: 4/23/13


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

Date: 4-23-13

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

Date: 4-23-13

Purpose: ORP Project Managers Meeting

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1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record - ORP stated that a signed TPA change package was submitted to Ecology for milestone M-045-22 and its three target milestones. Ecology has 14 days from the date of submittal to respond to the change package. If a response is not received by April 1, 2013, the change package is automatically disapproved and ORP has the action to go to dispute or allow the disapproval to stand. Ecology indicated that the change package is in legal review and direction has been given to approve the change package. ORP stated that the Consent Decree (CD) retrieval certification submittal for tank C-104 was submitted to Ecology, which starts the clock for ORP to submit within a year a Retrieval Data Report (RDR) associated with milestone M-045-86. Ecology requested that ORP add the C-104 RDR to its key documents list. ORP noted that the C-108 completion certification letter will be submitted to Ecology within a month, and the C-108 RDR should also be included in ORP's key documents list.

ORP stated that Ecology sent ORP emails on March 19 and March 21, 2013 requesting responses to several issues. The emails will be attached to today's meeting minutes for submittal to the Administrative Record (AR). ORP stated that the intent is to review all of Ecology's requests in the emails and provide a response at the next project managers meeting (PMM). The responses will be documented for submittal to the AR via the PMM minutes. ORP noted that some of the responses may take longer than a month. Ecology agreed to ORP's plan for responding to the emails, and requested that the process for responding to the emails is captured on the action log. ORP stated that draft meeting minutes and comments from the M-045-61 and M-045-62 meeting held March 14, 2013 between Ecology and ORP will be attached to today's minutes. ORP noted that separate meetings will be held with Ecology to discuss M-045-82.

2.0 Agreements, Issues, Actions

ORP provided an updated agreements, issues and actions list.

Action No. TF-13-02-03 - ORP reported that discussion with Ecology regarding the C Farm Performance Assessment (PA) was initiated March 14, 2013. This action will remain open as discussions continue.

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Action No. TF-13-02-02 - ORP stated that Ecology's request for information on the Differing Professional Opinion (DPO) for the C-105 dome cut is in legal review to determine if the information can be released. This action remains open.

Action No. TF-13-02-01 - DOE-RL confirmed that the groundwater quarterly monitoring reports are being sent to Ecology. Ecology stated that the 2011 reports have been received. This action will remain open until the remaining reports have been sent to Ecology.

Action No. TF-12-12-03 - The draft SST Integrity TPA change package ~~is still in Ecology review.~~ *will require*
ORP and Ecology ~~will~~ ^{to} discuss impacts from sequestration on proposed target dates. This action remains open. *4-23-12*

Action No. TF-12-12-01 - ORP stated that it is working on a response to Ecology's questions regarding Tc-99, Uranium and Iodine-129 in groundwater trending at C Farm. ORP will schedule a meeting with Ecology. DOE-RL noted that Ecology's questions will also be addressed in the next C Farm quarterly report.

Action No. TF-12-10-05 - ORP reported that a meeting was scheduled with Ecology on March 19, 2013 to discuss the September 2009 report; however, due to a scheduling conflict with Ecology, the meeting was canceled. ORP is waiting for Ecology to provide a date in April 2013 to reschedule the meeting. This action remains open.

Action No. TF-12-10-04 - ORP stated that discussions are on hold. This action remains open.

Action No. TF-12-10-02 - ORP will schedule a meeting with Ecology. This action remains open.

Action No. TF-12-09-02 - ORP sent Ecology notes from the meeting held with Ecology on 11/13/12. A follow-up meeting has not been scheduled. This action remains open.

ORP requested an action for Ecology to respond to the draft change package associated with milestones M-062-40ZZ and M-062-45ZZ. The change package was submitted to Ecology in February 2013. ORP stated that discussions with Ecology were initiated in January 2013 regarding the submittal of a one-time Hanford Tank Waste Supplemental Treatment Technologies Report (40ZZ) and the one-time Supplemental Treatment Selection negotiations (45ZZ). ORP stated that the change package proposes moving the dates out for these two milestones, and that

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Ecology has indicated support for delaying the milestones. ORP noted that the contractor cannot be directed to turn off the work until the change package has been approved. Ecology stated that it will inquire about the status of the change package.

TPA and CD Milestone Status - ORP stated that the Consent Decree milestones for FY13 and FY14 are ongoing. ORP noted that the TPA target milestone M-045-91F-T01 due January 31, 2013 was missed, and it is being addressed in the TPA change package that has been submitted to Ecology. ORP also noted there are follow-on targets that are to be missed associated with SST integrity milestones. ORP stated that there are two FY14 interim milestones that are to be missed (M-045-91F and G) that are addressed in the change package. ORP stated that the status of milestones M-045-61, M-045-62 and M-045-82, due in FY15, is to be changed from at risk to to be missed (see discussion below - Retrieve and Close SSTs and SST Retrieval and Closure).

Ecology noted that CD milestones D-00A-05 and D-00A-12 for LAB construction substantially complete and Steam Plant construction complete are reflected as complete, but Ecology and ORP have not had a technical discussion regarding completion of these two milestones. Ecology stated that a meeting is scheduled tomorrow (3/27/13) to discuss the milestones, and following that meeting Ecology will make a determination regarding milestone completion. Ecology expressed concern that ORP seems to be preparing for a press briefing on the milestone completion before there has been a consensus. Ecology has requested 48 hours to be allowed time to come to a consensus on milestone completion. ORP indicated that its understanding was that the parties were waiting for a consensus. ORP suggested that Ecology bring up its concern during the Waste Treatment Plant (WTP) portion of today's meeting so it can be further addressed.

3.0 Review of the ORP Summary

Tank Farms

System Plan - ORP reported that the Hanford Advisory Board (HAB) has requested a briefing in April 2013 on the System Plan schedule. ORP noted that no discussions have been held regarding System Plan 7, and the briefing to the HAB will be a general overview on the schedule steps, but no dates will be provided. ORP added that the due date to start defining scenarios for System Plan 7 is August 31, 2013. Ecology noted the current uncertainty with both tank farms and WTP, and asked if it was reasonable to assume that relevant scenarios could be built by August 2013. ORP responded that a more realistic time frame for receiving relevant information for building

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scenarios would be mid-October 2013. ORP noted that discussions that are occurring at a higher level with the governor and the Secretary of Energy, and more relevant information would not be available until the outcome of those discussions is known.

Ecology suggested that ORP and Ecology consider backing away from schedule pressure until information is available to build relevant scenarios. Ecology stated that there is no point in relying on a system plan that is outmoded or outdated. ORP concurred with Ecology's statement. ORP clarified that the scenarios will not be completely defined by August 31, but the discussions with Ecology and WRPS will be initiated at that time. ORP added that the goal is to define the scenarios by the October 31, 2013 TPA milestone date. Ecology responded that if the scenarios are being defined simply to meet a TPA milestone, that may pose an issue. ORP stated that if it becomes evident that the scenarios can't be defined by the milestone date, the milestone should be reevaluated and possibly moved out a couple months. Ecology expressed surprise that ORP was already talking about missing the milestone, and noted that it is a long process to renegotiate a missed milestone. Ecology asked when there has been a system plan that reflects reality, noting that the system plan is a planning document that appears to continually be transient. Ecology questioned what the parties expect to accomplish by a particular date that would make the system plan more or less relevant.

Ecology did unanimously agree to moving the date of the milestone!

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

ORP reported that milestones M-090-13 and M-047-07 are on schedule for submittal of the Critical Decision 1 documents for the Interim Hanford Storage Building and Secondary Liquid Waste Treatment.

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

ORP noted that milestones M-062-40ZZ and M-062-45ZZ were discussed earlier today during the status of the actions list. A draft change package has been submitted to Ecology that proposes moving both milestones further right, and a date has not been agreed to. ORP stated that it is waiting for input from Ecology so that discussions can continue on the two milestones.

242-A Evaporator Status - ORP referred to Ecology's emails that were discussed earlier today during the status of actions, noting that Ecology's emails asked about waste volume reduction data, certain definitions, and the meaning of early and late August regarding the evaporator campaign this year. ORP addressed Ecology's question regarding the start dates and the later

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start dates for the campaign, stating that the start dates are proposed start dates. ORP is still working with WRPS to prepare for the campaign, and a readiness review of the facility has to be completed. ORP stated that the current start date is August 8, 2013, with a second campaign scheduled for August 29, 2013. ORP reiterated that although the schedule states two campaigns (13.01 and 13.02), it is considered one back-to-back campaign per the new contract. ORP stated that Ecology's request for definitions will be provided by the next PMM. ORP will contact Ecology if the definitions are in place prior to the next PMM and schedule a discussion. If the discussion on the definitions takes place prior to the next PMM, ORP's responses to Ecology will be captured during the PMM. Ecology agreed with ORP's approach to providing the definitions.

Ecology stated that it reviewed a speculated volume return on a proposal for interim pretreatment that was approximated at a 1.6 million gallon return. Ecology added that it then reviewed the system plan, and estimated about a five million gallon waste reduction goal for evaporators at some point in the future. Ecology stated that it sent ORP another email asking if the 242-A Evaporator could reduce by a million gallons during a one-year time frame. ORP stated that at the next PMM, better estimates will be provided for the waste volume reduction in the tanks that will be campaigned in August. The goal is to ensure that the criteria of approximately 700,000 to 800,000 gallons waste volume reduction are met. Ecology stated that estimates are acceptable.

M-045-91, SST Integrity Assurance:

ORP reported that demonstration testing on the structural analysis and sidewall coring is under way at Energy Northwest. The SST leak cause and location analysis is continuing with the 12 tanks that were planned for FY13, and three tanks were recently completed in the BX Farm (BX-101, 103, 110). Ecology stated that it had reviewed two of the three BX videos. Ecology asked if the BX tanks were increasing or decreasing in volume. ORP responded that the tanks were increasing in volume. ORP indicated that the plan is to keep Ecology up to date on viewing the videos as they are completed.

ORP noted that a draft change package is in Ecology review regarding individual milestones and target dates for FY13 and beyond that are to be missed. ORP stated that there may be a need to have a discussion with Ecology regarding the impacts of the recent sequestration (federal budget cuts) on the proposed dates in the draft change package. ORP expressed the concern that after the change package is signed, the dates may need to be changed again. Ecology concurred with having a discussion, noting that the question had already been posed about ORP meeting the dates

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in the change package for the liner integrity studies and the structural analysis studies. Ecology added that the dates have been changed a couple times, and expressed concern about meeting the 2018 date when the Independent Qualified Registered Professional Engineer (IQRPE) has to certify the structural integrity of the SSTs. ORP will schedule a meeting with Ecology, following receipt of sequestration impact data, in mid-April 2013. ORP will also make an adjustment to action No. TF-12-12-03 that ORP and Ecology will be discussing the dates in the change package. Ecology noted that the change package is in legal review, and ORP suggested that Ecology place the review on hold until the discussion is held.

Ecology stated the preference to continue with the process of established dates for the SST integrity milestones, and if the dates need to be changed, then the parties would go through the process of changing the dates. It was noted that the dates in the draft change package were created prior to knowledge of the sequestration impacts. ORP stated that the full impact of sequestration is not yet known, and the draft change package should not be approved if it becomes evident that the sequestration will impact the proposed dates. ORP noted that these discussions point directly to TPA paragraphs 148 and 149, which is captured as the first agreement in the agreements, issues and actions list, to continue to meet with Ecology to discuss funding and work priorities. Ecology asked if the work scope under the milestones to be discussed are in the base operations budget. ORP responded that the milestones are in base ops, and one aspect of the discussion with Ecology would be the order of sequence for completing the work, with C Farm maintaining a high priority. Ecology agreed that holding the discussion in mid-April is a good plan, and requested that ORP provide information regarding what work ORP is conducting that is not TPA-required or regulatory-required. ORP agreed to provide that information during the meeting in April.

Ecology referred to the March 19, 2013 email that was sent to ORP, and initiated a discussion regarding the issue of leaking single-shell and double-shell tanks (SSTs and DSTs). Ecology asked what ORP's plans are to address the SSTs. ORP noted that a meeting was held with Ecology, and 12 tanks were identified through video inspection. Two of the tanks were leakers, and ten tanks were intrusion. ORP added that the two tanks that were leakers were part of the six tanks that have been identified in the press as leakers. ORP is preparing a letter of direction to the contractor to video the four tanks, but a discussion is needed with Ecology before the letter of direction is sent. ORP stated that confirmation is needed that the instrumentation is reading properly, and there is a potential that the 12 tanks would need to be inspected again or the 12 tanks

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agreed to could change. This subject will be part of the discussion during the meeting to be scheduled mid-April.

Ecology stated that it received a 355.4(b) notification on tank T-111, which is a National Response Center (NRC) prediction of potential impacts of a possible leak on tank T-111. Ecology noted that T-111 is one of the six tanks that have been identified as leakers, and asked if ORP was planning to do an NRC notification for the remaining five tanks, and if not, why not. Ecology requested that the parties determine other response actions besides video inspections of leaking tanks, and asked what ORP is planning or not planning to do. ORP stated that the response to the NRC is to do video inspection of the remaining five tanks and determine whether or not there is a level decrease or if there is another mechanism causing the decrease, such as evaporation. ORP noted that all of the calculations (i.e. gas generation and/or evaporation) had not been done, and the conservative determination was made by the governor and the Secretary of Energy that the six tanks were leaking using one data point. ORP stated the intent is to confirm the five tanks one at a time, and then make an NRC response if a tank meets the criteria. ORP noted that there are criteria regarding the amount of each substance that can be released, and that needs to be evaluated.

Ecology stated that it has not seen the calculations for T-111, including gas generation, and requested the calculations. Ecology asked if ORP will be reassessing the leakers via the CHEM-D-42 leak assessment process, and if new leakers will be assessed. ORP responded that the CHEM-D-42 process should be applied if a tank is an assumed leaker. ORP added that if an assumed leaker has gone through a CHEM-D-42 process and it was confirmed to be a leaker, in some cases twice, the benefit of conducting another CHEM-D-42 process is questionable. ORP offered to have a discussion if Ecology has knowledge of another methodology for assessing the tanks. ORP stated that the tanks of importance are the tanks that were classified as sound and could be put into the assumed leaker category and go through the CHEM-D-42 process. Ecology stated that according to the assumed leaker status in the Hamlin report, the tanks that have leaked in the past have not always leaked, and there has been basis for changing the status of some of those tanks. Ecology requested that the subject of SST leaking tanks and the use of the CHEM-D-42 process be included in the agenda for the meeting scheduled in mid-April. Ecology noted that there is general consensus that T-102 is also a leaker, although T-102 has not gone through the leak testing process. Ecology asked if the exhausters in T Farm could be hooked up. ORP responded that one of the mitigation actions being considered is the exhausters. ORP added

Hamlin

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that some of the strategies under consideration, including waste classification, could be discussed during the mid-April meeting

ORP stated that video of the annulus in the DSTs that were built around the same time period has been completed, and there were no observed leaks.

ORP stated that discussions are ongoing with Ecology to establish a schedule for the Integrated Project Team (IPT) to close on the existing recommendations for removal of the waste in AY-102. ORP noted that discussions are also under way at a higher management level that may lead to different recommendations. Ecology noted that the weekly WRPS progress integration schedule for the week of March 14 did not include activities for AY-102 design, fabrication or procurement of the necessary jumpers and /or equipment to remove waste from the tank. ORP asked Ecology to provide a heads-up when those types of anomalies are noticed. Ecology requested a walk-down of the annulus pumping system during its next visual inspection. Ecology noted that the routing diagram and some records would suffice.

In Tank Characterization and Summary - ORP noted that several chemistry control samples have been completed. The AY-102 annulus leak detection test report and the report for the AW-106 samples in support of the 242-A Evaporator campaign this year were completed. Ecology noted that when reviewing the AY-102 leak detection report, the last time a core sample of the sludge was taken was in 2005. Ecology stated that when sludge core samples were taken from other DSTs and found that the material was out of DST specification, different materials had to be added based on the analyses. Ecology asked when a recent core sample was taken, specifically with the six older DSTs (two AX tanks, three SY tanks and the other AY tank), what the results were and what was done if they were out of spec.

Tank Operations Contract (TOC) Overview - ORP reported that as of January 31, 2013, WRPS was up to 6.3 million hours without a lost time workday injury. ORP is coordinating with the contractor to determine impacts to regulatory milestones and some of the minimum safe scope as a result of sequestration. It was noted that today's report reflects data through January 2013, and the sequestration had not yet been implemented, although planning has been under way to prepare for sequestration. ORP stated that project impacts due to sequestration will be noted and will continue for the rest of this year. Ecology referred to the suspension of the Waste Feed Delivery (WFD) system projects, and reiterated the concern that all of the work scope needs to be completed, including the lower level activities, in an effort to prevent those lower level activities

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from becoming critical path. Ecology added that a determination needs to be made for the direction of WFD and all its supporting activities. ORP agreed with Ecology's comments. ORP noted the substantial schedule variance for Retrieve and Close SSTs (4.6 million), and that availability of resources will continue to be impacted this year.

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

M-045-20 - ORP reported that the milestone letter transmitting the revised work plan was submitted to Ecology on March 18, 2013.

M-045-22-T01 - ORP reported that the characterization in TX Farm will start in June 2013.

M-045-22-T02 - The Surface Geophysical Exploration (SGE) work in U Farm is scheduled to start in April 2013.

C-200/C-108 Retrieval Data Report (RDR) - ORP provided a status on two items that were not listed on today's summary handout. The direct pushes at the C-200 tanks will be started in April 2013. There are five boreholes scheduled around C-108, and as of yesterday (3/25/13), one borehole was completed and the second borehole has been started. The data from the dry well logging will be part of the C-108 RDR.

M-045-61/62 - ORP stated that the status of these two milestones is to be missed. ORP notified Ecology during a meeting on March 14, 2013. ORP stated that the milestones are to be missed due to the delay in funding and completion of the C Farm PA under the TPA Appendix I, Section 2.5. ORP noted that today's handout will be updated for the final submittal to reflect the change in status of these milestones. ORP indicated that discussions will continue with Ecology regarding these two milestones.

TPA-SST Retrieval and Closure Program:

M-045-82 - ORP stated that the status of this milestone is to be missed. The milestone is to be missed due to the delay in funding and completion of the C Farm PA under the TPA Appendix I, Section 2.5. ORP noted that today's handout will be updated for the final submittal to reflect the change in status of this milestone. Ecology asked if a meeting will be held to discuss milestone M-045-82. ORP confirmed that a meeting will be scheduled.

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Deep Sludge Height - ORP provided an update on the deep sludge height concern. ORP stated that if there is X volume of sludge above 172 inches in a DST, there is a concern about gas generation in the sludge that could not be released. ORP completed a Justification for Continued Operations (JCO), and a summary of the letter was sent to Ecology. ORP stated that the two receiver tanks for C Farm, AN-101 and AN-106, are currently at 190 inches plus. ORP is meeting in Denver this week with URS, WRPS and several lab personnel to determine whether there is additional information for the JCO. Currently there is room for all the C Farm tank retrievals except for C-102 and C-105. Ecology asked if ORP is trying to determine what the sludge depth needs to be to complete the C Farm retrieval or that the JCO needs to be raised to a higher level. ORP responded that all options are on the table, such as opening a third DST for retrieval, raising the sludge height in AN-101 and AN-106, and methods for mitigating the sludge buildup (mixer pumps or air spargers). Ecology asked about the process after the meeting in Denver. ORP stated that the outcome of the meeting in Denver will delineate which options will be possible or not possible, and then continue down that path. ORP noted that Ecology will be kept apprised through the various biweekly meetings. ORP added that the key is complying with the Documented Safety Analysis (DSA) and to not put any workers at risk.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP stated that the dome cutting options for modifying the C-105 TWRWP will be discussed with Ecology.

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

Tank Retrievals with Individual Milestones (tanks 241-A-103 and 241-S-112) - No change in status.

CD-SST Retrieval and Closure:

D-00B-01 - ORP stated that Ecology is being kept informed regarding the sludge height in C Farm.

D-00B-01A-J - ORP reported that the tank retrieval completion certification for C-104 was submitted to Ecology. The tank retrieval completion certifications for C-108 and C-109 are the next certifications that will be submitted.

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Waste Treatment Plant

ORP noted that Pretreatment (PT) and High Level Waste (HLW) are working to the two-year interim work plan, and the data for PT and HLW remains frozen at the September 2012 rates. LAW, Balance of Facilities and LAB (LBL) are working to the replan with the normal project baseline, and any changes in project-to-date variances will be associated with LBL activities. The S-1 team activities continue with technical issue resolution. ORP has directed the contractor to develop a strategy for completing a rebaseline for PT and HLW. Ecology stated that the project needs to ensure it is aligned with the S-1 team activities and decisions to avoid two paths for decisions on one subject. Ecology cited the erosion/corrosion issue as an example, which is being vetted through the project and is also under review by the S-1 team. Ecology stated that when a solution is reached, that it should be the final solution. ORP noted that Ecology's concern has been discussed previously, and coordination efforts have been improving over time. ORP stated that the core organizational team is meeting on a daily basis, and communication and alignment is strengthening. ORP added that the Bechtel technical team is integrated and there are no longer any separate teams.

ORP stated that work continues with the Level 1 findings and the Reliability Verification Process (RVP). Bechtel is inspecting the equipment and quality of materials that have been installed and that are in the warehouse, and is reviewing processes and procedures. The first phase of the RVP is wrapping up, and the second phase is being initiated. The second phase of the RVP will focus on extent of condition and evaluate the findings, and then determine the path forward. Ecology asked if there is any indication from the RVP that there may be technical issues that haven't been identified. ORP responded that results from the RVP have not identified any major new technical issues or that there are a large number of components that need to be scrapped due to quality issues. The RVP has confirmed the Level 1 findings that ORP has issued in terms of overall quality, integration of engineering design, and calculation error rates that need improving. Ecology offered that an understanding of what is acceptable and what needs to be changed won't be known until after Phase 2 of the RVP is completed. ORP concurred with Ecology's statement, noting that part of Phase 2 will be a review of the approximately 1400 errors that have been identified and how that would be applied to additional systems or components that need to be reviewed. Ecology asked about briefings on the RVP progress. ORP took an action to schedule a briefing to Ecology on the RVP progress.

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Significant Past Accomplishments - ORP noted that the contract was awarded to repair the welds on RLD vessels 163, 164 and 165 in LAB. Ecology asked if the LAB will still be taking credit for the substantially complete milestone in lieu of the weld repairs that need to be done. ORP responded that the LAB milestone is considered completed.

Significant Planned Actions in the Next Six Months - ORP stated that the contract for the HEPA filter design will be awarded. ORP noted that the department, separate from the WTP project, reconfirmed the failure of a radial HEPA filter design with an axial filter test that failed. That axial filter is being used by the rest of the complex, and the failure is being dealt with on a complex-wide basis. ORP stated that the actions for WTP are to obtain prototype designs for different media using paper, metal, and more robust filter media, and conduct testing of the designs to obtain the design that meets the application in the different facilities.

Issues - ORP stated that most of the technical issue resolution is focusing on HLW issues first, with the recognition that PT has a broader set of issues.

Pretreatment (PT) Facility

ORP stated that one of the key activities associated with technical issue resolution is the vessel mixing test. Construction on the building is under way, and equipment is being installed. The RLD-8 vessel, which was rejected for production, will be used as a test vessel. The RLD-8 has been accepted by Bechtel for testing. One technical issue identified by the S-1 team with the RLD-8 vessel resulted in a modification to replace the steam inductor with a pump to transfer fluids from one vessel to another. The RLD-8 will be modified for testing, and a pump will be installed and the piping will be changed out. ORP noted that use of the RLD-8 vessel for testing will provide the opportunity to conduct a wider range of testing and testing of control systems. It also provides a good opportunity to test with extreme simulants that could potentially damage the vessel without the concern of installing the vessel in the plant. Ecology asked what actions are being taken to certify the vessel for use in testing. ORP responded that Bechtel is going through the NCR process, due to the weld violation, to determine whether the vessel will be acceptable from the design perspective to sustain the loading and other issues during testing. ORP noted that the welds will not be repaired on RLD-8.

Oregon Department of Energy (ODOE) asked about the change to the pump design in the vessel. ORP explained that the S-1 team determined that the steam inductor design was deficient and that

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plugging could occur during transfer of liquids due to low head pressure. ORP noted that the weld issue is a separate issue from the steam inductor design. ORP explained the weld deficiencies with RLD-8 could impact the safety seismic Category 1 loading. Ecology asked about a scenario where the RLD-8 is fully loaded during testing and there is a seismic event. ORP responded that the seismic category is for the nuclear radioactive condition, and radioactive fluid would not be used in testing.

Ecology inquired about the schedule for the testing. ORP responded that originally the testing was scheduled to start this October, but the schedule is being reworked, due to the National lab involvement with developing the test plan, simulant, and instrumentation requirements. ORP indicated that testing with RLD-8 may start by the end of 2013. Ecology asked if the simulant requirements and permitting pose a challenge. ORP responded that obtaining the simulants is the main challenge, due to the number of schedule steps that have to be followed once the recipe for the simulant has been defined.

ORP stated that Bechtel's action plan for the corrosion/erosion issue has been issued, and Bechtel is in the process of awarding a contract for the initial testing for erosion. The results of the erosion testing will indicate whether additional testing is needed. ORP stated that the corrosion testing is planned for next year. Ecology asked if ORP has reviewed and approved the specs for procurement. ORP responded that the technical groups have been heavily involved working jointly on all the aspects for testing.

ORP reported that vessels installed in PT are being inspected. The weld inspections of the five vessels have been completed, and the nozzle welds for about 18 vessels have been completed. Ecology inquired about the percentage of acceptability so far as a result of the inspections. ORP responded that every vessel has some weld deficiencies. Ecology asked if the deficiencies are against the enhanced specification or against the code specs. ORP responded that there are deficiencies against both, although the deficiencies against the code spec is very limited and against the enhanced spec is somewhat more. ORP noted that the expectation is to meet the procurement specification.

High Level Waste

ORP reported that there is still limited construction in HLW. ORP stated that phase 2 of the RVP will include a review of the C5 ventilation system (see discussion of RVP under Waste Treatment

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Plant). ORP noted that the HEPA filter issue was discussed under Waste Treatment Plant. Ecology asked if there are any construction activities in HLW that have to be halted due to the HEPA filter issue. ORP responded that there are no construction activities impacted by the HEPA filter issue.

Significant Planned Actions in the Next Six Months - ORP stated that Bechtel is reviewing the first of its two Authorization Basis Amendment Requests (ABARs). The ABARs will support the Preliminary Documented Safety Analysis (PDSA) upgrade. The first ABAR will be submitted to ORP for review and approval in about a month, and the second ABAR is scheduled for submittal to ORP in September 2013. When the two ABARs are approved, the disconnects with the PDSA will be finalized.

Action No. WTP-12-10-04 - ORP indicated that the updated G2 was provided to Ecology. Ecology stated that no updated information has been received. ORP will follow up to ensure the information is provided to Ecology. This action remains open.

Action No. WTP-13-02-01 - ORP will schedule a meeting to brief Ecology on the preventative maintenance protocols. This action remains open.

Low Activity Waste Facility (LAW)

Significant Planned Actions in the Next Six Months - ORP reported that the melter refractory installation has commenced. The castable refractory that goes in the bottom of the melter was completed in the first melter. The castable refractory is about an inch thick, and the bricks are placed on top of that. Ecology inquired about an issue with the use of a plastic mixer instead of a metal mixer. ORP responded that the issue was raised by Bechtel's engineer in the last week, and it is being evaluated. ORP stated that there are two types of mixers, and one is typically used for mixing plaster and one is typically used for the refractory material. ORP indicated that the issue was that a plaster mixer was used instead of a refractory mixer, and Ecology may be confusing plaster with plastic. Bechtel has taken coupons from the mix and is testing them for strength to validate the mixing. Ecology summarized that the mixer and the material that was poured is in the process of being verified as adequate, and ORP concurred. ORP noted that the LBL piping heat trace and insulation subcontract has been awarded. The contractor has been onsite three prior times as a subcontractor, and with the contractor's prior experience, ORP is confident there won't

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be any issues. ORP reported that the meeting with Ecology to discuss the penetration seal has been rescheduled for April 23, 2013.

Balance of Facilities (BOF)

ORP stated that a meeting is scheduled tomorrow (3/27/13) to discuss with Ecology the documentation for the Steam Plant construction complete milestone. Ecology expressed concern that the ORP Public Information (PI) team has been pushing to get a press release about the Steam Plant construction complete and LAB substantially complete milestones before a consensus has been reached. Ecology stated that it requested at least 48 hours to allow time to meet with ORP and then make an internal decision on the milestones. Ecology added that this is the second time that the PI team has attempted to put out an early press release. Ecology noted that the technical team relationship that has been established with ORP has been working very well to ensure everyone understands what milestone completion means. ORP agreed that the intent is to announce milestone completion when both parties have reached consensus, and that intent will be recommunicated within ORP.

ORP stated that the current focus in BOF is completing construction on the chiller compressor plant and the glass former facility. In addition, efforts continue to get Building 91 to the point that system turnover can be initiated. ORP reported that additional information has been received for the cathodic protection system, and a path forward that ORP and Bechtel are in agreement with is being finalized. There are two technical cut sheets, one to address the piping that is currently in the ground and how it will be treated going forward, and another to address the cathodic protection system and developing assurance with that path forward.

Action No. WTP-13-01-01 - ORP indicated that it was ready to provide a briefing to Ecology on the cathodic protection system, and it was agreed that a time would be scheduled during the meeting tomorrow (3/27/13).

Action No. WTP-13-01-02 - ORP and Ecology are meeting tomorrow, March 27, 2013, to discuss Steam Plant complete documentation.

Analytical Laboratory (LAB)

ORP stated that a meeting is scheduled tomorrow (3/27/13) to discuss with Ecology the documentation for the LAB substantially complete milestone. The shell and major mechanical

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systems are in place. The cabling to instrumentation is being lined out, which won't be finished until the instrumentation is in place. Activities to complete the hot cell continue towards construction completion by June 2014. ORP noted that a discussion was held with Ecology before today's meeting regarding the general progression of LAB over time, including preparing and analyzing samples for LAW, and the next and final phase when LAB is fully operational in providing sampling and capabilities to HLW and PT. Ecology asked if any simulant testing will be conducted, as ORP moves forward with the methods analysis, in an effort to dial in the machinery and instruments. ORP responded that samples will be processed as part of methods development, although the process has not been clearly lined out as to what will be used for samples (simulants vs. radiological samples).

Another aspect being worked is laying out a flow path for how LAB works to understand where and when samples from different facilities will be pulled. Laying out the flow path will help identify any "pinch" points, and provide an understanding about what instrumentation will be involved and aid in the decision-making for future instrument procurement. Ecology expressed the concern about approximating the chemistry that is anticipated to be coming out of the tanks while testing of instrumentation is being done. ORP responded that analytical chemistry will be done by determining the concentration of a certain compound in a sample and developing a method specific to that compound.

ORP addressed the issue with the welds to RLD vessels 163, 164 and 165. The contract has been awarded, and the process of determining the scope for each vessel is under way. A tentative schedule has been established, and the majority of the weld repairs are estimated to be complete by the end of this year. Ecology asked about the size of the repairs, and if the repairs are large, whether more research would be needed. ORP responded that certification of the necessary weld repairs is not required beyond what has already been done, but what is needed is to ensure that the welds meet the certification stamp that was initially required. ORP noted that the weld repairs needed are extensive, citing vessel 164 as having serious weld deficiencies. ORP reiterated that the weld deficiencies were completely unknown when the vessels were accepted as N stamped certified from the vendor. When retesting of the welds and reverification of the paperwork was done, the scope of the deficiencies was discovered. After the repair work is completed, all the necessary testing will be done to meet verification, and the vessels will be recertified and R stamped.

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Ecology asked if there are sets of weld deficiencies that are located in the same area that a degradation of metallurgy could result during repair, citing the possibility of heat fatigue and brittleness. ORP indicated that would not be the case, but will follow up with Ecology's concern. ORP noted that the contractor doing the repairs has certification and experience with the AL6XN metal comprising the vessels. ORP added that Bechtel has brought in their corporate weld resource with the expertise to assist with the weld repair issue. ORP is also bringing in external expertise to consult with since the AL6XN is not a standard metal. Ecology requested a level of assurance, relative to the LAB substantially complete declaration, that the weld repairs are not creating more problems than are being solved with the repairs. ORP responded that with the experts' input, the weld deficiencies are all repairable. ORP added that the metal is complex, but the weld repairs are not unusual, and there is confidence that the contractor has the expertise to complete the repairs and the vessels will meet the criteria that ORP has set. ORP stated that the scope of the weld repair includes detailed plans for the repair and how the negative impacts will be avoided.

Action No. WTP-13-01-03 - ORP and Ecology are meeting tomorrow, March 27, 2013, to discuss LAB substantially complete documentation.

4.0 Key Documents List

An updated ORP key documents list was provided. The C-104 and C-108 RDR will be added to the list.

5.0 Upcoming Meetings

The ORP TPA April Project Managers Monthly Meeting is scheduled for April 23, 2013 from 9:00 to 11:30 am in ORP room 1770.

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

(5 pages including this cover sheet)

ORP TPA March 2013 Project Managers' Monthly Meeting
Tuesday, March 26, 2013
2440 Stevens Center Richland, Washington
Room 1200, 9:00AM-11:30AM

AGENDA

1.0 Administrative Items

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

Item Description	TPA/CD Topic Milestone Tie	TPA Admin Record – EDMC File Number
February 2013 ORP TPA Monthly Report	All	1219397
February 2013 ORP CD Monthly Report	All	1219398
Submittal of the SAP for Soil Samples in Support of Interim Measure Planning at the 241-TX Tank Farm, 13-TF-0013	M-045-21	1219734
Submittal of Revised 200 West Area Tank Farms Interim Measures Investigation Work Plan, 13-TF-0014	M-045-20/M-045-22	1219870
CD Retrieval Certification Submittal for SST C-104	M-045-86/D-00B-01	In process

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

3.0 Review of the ORP Project Summary

4.0 Key Documents List

Upcoming Meetings

- The ORP TPA April Project Managers' Monthly Meeting is scheduled for April 23, 2013 from 9:00-11:30AM in ORP Room 1770.

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

Agreements:

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

Issues:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the Senior Management levels.
2. AY-102 Inner Tank Leak: A team comprised of experts from ORP, ECY, WDOH, and WRPS are evaluating a range of potential cumulative impacts (DST space/water balance, 242-A Evaporator, Waste Feed Delivery to WTP, risk readiness/contingency, etc.) with follow-on topic meetings to be held with close involvement of ORP and ECY Senior Management as information becomes available for evaluation.
3. T-111 and Other Single Shell Tank Decreases in Liquid Level: The Department of Energy has determined based on data gathered through the single shell tank monitoring program that there are six tanks at the Hanford site in eastern Washington State, including the one announced last week, that show declining levels of fluid. There is no immediate public health risk. The Department is working with the State of Washington and other key stakeholders to address the issues associated with these tanks.

Actions:

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
Tank Farms Actions					
TF-13-02-04	02/21/13	ECY has requested a meeting with ORP to discuss the on-going efforts and studies for the potential direct-feed of the WTP-LAW facility.	Open. This item will need to be carried as a TBD as information is still in development and under a pre-decisional, non-disclosure agreement.	Chris Harrington / Janet Diediker	
TF-13-02-03	02/21/13	ECY would like to meet with ORP in March to discuss work on the WMA CPA and other options for M-045-61/-62	Open. First meeting was held at ECY on 03/14/13.	Chris Kemp	
TF-13-02-02	02/21/13	ECY would like to know more about the technical issues in the DPO for the dome cut on C-105 if this information can be released.	Open.	Chris Kemp	

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

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
TF-13-02-01	02/19/13	ECY would like to be added to the Groundwater Quarterly Monitoring Report distribution list and be notified of the months when groundwater sampling is scheduled to occur for the seven Tank Farms WMAs.	Open. ECY has been added to the distribution list. DOE is working to transmit the last two GW reports and provide GW sampling notifications.	Chris Kemp / Doug Hildebrand	
TF-12-12-03	12/20/12	ORP will complete the updates for the comments provided on the draft SST Integrity TPA change package and meet with ECY.	Open. ORP has incorporated comments and the SST Integrity Chg Pckg is under ECY review.	Jeremy Johnson	
TF-12-12-01	12/20/12	ECY has questions about Tc-99, Uranium, and Iodine-129 increased groundwater contamination trending in WMA C wells.	Open.	Chris Kemp	
TF-12-10-05	10/23/12	ORP will set up a meeting with ECY to discuss the September 2009 Report, External Technical Review for Evaluation of System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process for recommendations and determine if those recommendations have been implemented.	Open. ORP will set up a meeting with ECY (requestors) and WRPS to discuss the status when requestors are available in April 2013.	DaBrisha Smith	
TF-12-10-04	10/16/12	ECY would like to discuss C-107 and considerations for Tc-99 concerns with tank residuals and technology selection.	Open. ORP and ECY have placed these discussions on hold until after C-107 RDR sampling has occurred.	Chris Kemp	
TF-12-10-02	10/10/12	Per M-045-56 annual meeting: Set meeting with site water purveyor to address leak detection and testing in active water lines.	Open. ECY has provided questions for the water purveyor. ORP will set up a meeting to discuss.	Chris Kemp	
TF-12-09-02	09/25/12	ECY PMs would like to set up a meeting with ORP PMs to define the purpose and scope of the PMM meetings (roles, responsibilities, objectives).	Open. This meeting was held on 11/13/12 and ECY will review these results for discussion at a follow-up overall ORP/ECY Comms Improvements meeting.	Jeff Lyon	

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

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Closed
WTP Actions					
WTP-13-02-02	02/21/13	ORP will meet with ECY to discuss the schedule and status of RLD Vessels 163 and 164 welding rework.	Open.	Jason Young	
WTP-13-02-01	02/21/13	ORP will meet with ECY to discuss the PT and HLW facility maintenance program.	Open.	Wahed Abdul	
WTP-12-10-04	10/23/12	ORP will determine the status of the updated G2 Run and provide to ECY.	Open.	Wahed Abdul	
WTP-13-01-04	01/22/13	ECY would like ORP to provide documentation justifying why the LAW Melter Assembly Building was removed from the WTP project baseline.	Closed. Email with ORP letter 09-AMD-213 and referenced BNI report CCN-193447 provided to ECY on 01/24/13.	Delmar Noyes / Jeff Bruggeman	01/24/13
WTP-13-01-03	01/22/13	ORP will get back to ECY by early February to setup a briefing on LAB Substantially Complete documentation.	Open.	Jason Young	
WTP-13-01-02	01/22/13	ORP will get back to ECY by early February to setup a briefing Steam Plant Complete documentation.	Open.	Jason Young	
WTP-13-01-01	01/22/13	ORP will get back to ECY by early February on a briefing to discuss the LAB cathodic protection issue.	Open.	Jason Young	

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Attachment B: List of Attendees

(3 pages including this coversheet)

Sign In Sheet
ORP TPA PMM Meeting
March 26, 2013

Delmar Noyes

ORP-WTP

376-5166

NAME	ORG	PHONE
Starekilloy	WRPS	727-7804
Jeff Luke	WRPS	
Mike Barnes	Ecology	372-7427
Michelle Henderson	Ecology	372-7470
Tom	Ecology	781-4141
ROB PIPO	MSA/TPA	373-3285
JAMES LYNCH	DOE-ORP	376-4170
Kathy Knox	Knox Court Reporting	946-5535
R Douglas H. DeGrand	DOE	377-9626
Chris Kemp	ORP	373-0649
DAW Kucisz	ORP	373-4143
Steve Pfaff	ORP	376-2189
Shawney Simon	ODOE	(341) 963-0853
Dan McDonald	Ecology	372-7988
DeBrisha Smith	ORP	376-4306
Billie Mauss	ORP	378-5113
Tom Fletcher	ORP	376-3434
Ellen Mattlin	DOE-ORP	376-1900
Jeff Lyon	Ecology	539-1996
MIKE PELOQUIN	WRPS	539-5357
MA Kaldon	MSA	372-1992
Jim Abnehmer	Ecology	372-7982
Chris Harrington	ORP	376-1239
Lori Huffman	ORP	376-0164

Sign In Sheet
ORP TPA PMM Meeting
March 26, 2013

NAME	ORG	PHONE
Jason Young	ORP	376-0325
Jeff Bruggeman	ORP	438-0444
WAHED ABDUL	ORP	438-0455
Arlene Tortoso	Ecology	372-7956
Nitya Chandran	Ecology	372-7931
Quette Carlson	Ecology	872-7897
Robbie Biyani	"	372-7884
Tracy Gao	Ecology	372-7901
ROB PIERO	MSA/TPA	375-5285

ORP Project Managers Meeting
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Attachment C: Presentation Materials

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

And

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

And

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

(41 pages including this coversheet)

FINAL

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



**Office of River Protection
Tri-Party Agreement Milestone Review
March 2013 (Project EVMS reflects January 2013)**

Page	Topic	Leads
1	Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon
2	System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald
3	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald
4	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald
5	242-A Evaporator Status	Ron Koll / Jeff Lyon
6	SST Integrity Assurance; M-45-91	Jeremy Johnson/ Michelle Hendrickson
7	In Tank Characterization and Summary	Billie Mauss / Michael Barnes
9	Tank Operations Contract (TOC) Overview	Dan Knight / Jeff Lyon
14	Single-Shell Tank Corrective Action; M-45, -50, -60	Chris Kemp / Jeff Lyon
16	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series	Chris Kemp / Jeff Lyon
17	Tank Waste Retrieval Work Plan Status	Chris Kemp / Jeff Lyon
17	Tank in TPA Appendix H Status Tank Retrievals with Individual Milestones	Chris Kemp / Jeff Lyon
18	WTP Overall TPA Summary and Milestone Status; M-62-01	Delmar Noyes / Dan McDonald

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2013				
M-045-20	Submit Interim Measures Investigation Work Plan and TPA Chg Pckgs for M-045-22 Target Dates	12/31/2012	12/06/2012	Completed
M-090-11	Comp. Neg's No More Than 2 Canister Storage Fac. Const. Int. M/S	12/31/2012	11/19/2012	Completed
M-062-01Z	Submit Semi-Annual Project Compliance Report	1/31/2013	1/31/2013	Completed
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	1/31/2013		Missed
M-045-21	Submit Sampling and Analysis Plan for 241-TX Tank Farm	3/31/2013	3/11/2013	Completed
M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	5/31/2013		On Schedule
M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	5/31/2013	5/02/2012	Completed
M-045-91F-T02	Provide Report of Liner Failures for SSTs	7/31/2013		To Be Missed
M-062-01AA	Submit Semi-Annual TPA Project Compliance Report	7/31/2013		On Schedule
M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	7/31/2013		To Be Missed
M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	9/30/2013		On Schedule
M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	9/30/2013		To Be Missed
Fiscal Year 2014				
M-045-91G-T04	Provide AOR Final Doc. for SSTs on 55,000 Gallon Tanks	10/31/2013		To Be Missed
M-062-40C	Select a Minimum of Three Scenario's for the System Plan	10/31/2013		On Schedule
M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/2013		To Be Missed
M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/2014		To Be Missed
M-045-56J	Ecology And DOE Agree, At A Minimum, To Meet Yearly (By July)	07/31/2014		On Schedule
M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/2014		On Schedule
M-047-07	CD-1 for Secondary Liquid Waste Treatment and CR for CD-2 to Ecology	09/30/2014		On Schedule
M-090-13	CD-1 for Interim Hanford Storage Project and CR for CD-2 to ECY	09/30/2014		On Schedule

System Plan

M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2011, Status: Completed 10/24/2011 via DOE-ORP/ECY joint signature letter 11-TPD-087.

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

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

M-062-45-T01, Every six years, within six-months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

DOE/ORP submitted the River Protection Project System Plan, Revision 6, with a joint Ecology signature to EPA on October 24, 2011.

Significant Planned Actions in the Next Six Months:

ORP and WRPS plan to meet with Ecology in April 2013 to provide the status on various recommendations made in regards to several model planning tools in the 2009 "External Technical Review for Evaluation of System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process." Please see issues below.

Various circumstances have occurred in which no new scenarios have been selected for System Plan 6 Addendum.

ORP and Ecology will jointly begin defining the System Plan 7 scenarios in the July-August 2013 time frame. The defined scenarios milestone (M-062-40C) is due October 31, 2013.

Issues:

In the October 23, 2012 TPA Project Managers meeting Dan Mc Donald, Ecology, informed ORP that system plan development for FY 14 could not move forward until ORP had read and responded to the comments in the headquarters document, "External Technical Review for Evaluation of System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process." Ecology has asked for a meeting with ORP and WRPS as soon as they have read the document and are able to brief on where they think they are going with comment response development.

Acquisition of New Facilities

M-090-13, Submit CD-1 for Interim Hanford Storage Project and TPA Change Request for CD-2 to Ecology, Due: 09/30/14, Status: On Schedule. Created by TPA Change Control Form M-90-12-02, signed by ORP and Ecology on 11/19/12, to "Submit to Ecology, a Conceptual Design Report Package (Critical Decision-1) for the Interim Hanford Storage Project (storage of the first two years of Hanford Site Immobilized High-Level Waste from WTP operations) and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2)."

M-090-00, Acquire/modify facilities for storage of IHLW, Due: 12/31/2019, Status: On Schedule

M-047-07, Submit CD-1 for Secondary Liquid Waste Treatment and CR for CD-2 to Ecology, Due 09/30/14, Status: On Schedule. Created by TPA Change Control Form M-47-12-02, signed by ORP and Ecology on 11/19/12, to "Submit to Ecology, a Conceptual Design Report package (Critical Decision-1) for the Secondary Liquid Waste Treatment Project and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2).

M-047-00, Complete Work Necessary to provide facilities for management of secondary waste from the WTP, Due: 12/31/2022, Status: On Schedule

Significant Past Accomplishments:

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

Significant Planned Actions in the Next Six Months:

None.

Issues:

None.

Supplemental Treatment and Part B Permit Applications

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW, Due: 10/31/2014, Status: On Schedule.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015, Status: On schedule. Negotiations are not yet underway.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due: 4/30/2015, Status: On Schedule.

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

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

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

M-062-45XX, No later than 12/31/2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45, paragraphs 4 and 5, due: 12/31/2021, Status: On Schedule

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

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

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

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

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

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

242-A Campaign strategy:

The 242-A Campaign Strategy for FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 6, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	10-01	AW-106	AW-106	Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010.
FY10	10-02	AW-106	AW-106	Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY11	NA	NA	NA	No campaign conducted in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	NA	NA	NA	No campaign conducted in FY12 due to ongoing 242-A and Tank Farm facility upgrades and revision to the 242-A Documented Safety Analysis (DSA).
FY13	13-01	AP-107	AP-107	Estimated start early August 2013. May require two (2) passes to achieve waste volume reduction.
FY13	13-02	AW-106	AW-106	Estimated start late August 2013.
FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

SST Integrity Assurance

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

M-045-91D-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis performed on the concrete dome samples obtained from the Tank C-107 plug, Due: 5/31/2013, Status: On schedule.

M-045-91F-T03, Provide to Ecology, as a HFFACO secondary document a report assessing the feasibility of testing for ionic conductivity between the inside and outside of SSTs, Due: 5/31/2013, Status: Complete 05/02/2012. (ORP letter 12-TF-0009)

M-045-91F-T02, Provide to Ecology as a HFFACO secondary document a report evaluating the common factors of liner failures for SSTs that have leaked and will provide recommendations as appropriate, such as enhanced Leak Detection, Monitoring, and Mitigation, Due: 7/31/2013, Status: To Be Missed. See issues below.

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

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

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, Status: On schedule.

M-045-91G-T04, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 55,000 gallon tanks (B, C, T and U Farms), Due: 10/31/2013, Status: To Be Missed. See issues below.

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through -T04, Due: 12/31/2013, Status: To Be Missed. See issues below.

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

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis, performed on the concrete core obtained from Tank A-106 or alternate tank, Due: 9/30/2014, Status: On schedule.

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series milestones to date, Due: 7/31/2015, Status: On schedule.

M-045-91I, Provide to Ecology an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: 9/30/2018, Status: On schedule.

Significant Past Accomplishments:

- Work has resumed in the areas of SST structural analysis, sidewall coring, analysis of rebar from C-107, and SST leak cause and location analysis.

Significant Planned Actions in the Next Six Months:

- Conclude discussion with Ecology regarding “To Be Missed” target dates and interim milestone impacts and submit the agreed-upon TPA Change Package for approval.
- Complete analysis of rebar from C-107 and complete M-045-91D-T01.

Issues:

- FY2012 and FY2013 funding constraints have impacted M-045-91 scheduled work. ORP has met with Ecology to discuss impacts on individual milestones and targets dates for FY2013 and beyond per the TPA Section 12.0 Change Process. Ecology’s initial comments on a draft TPA Change Request have been incorporated, and ORP has provided this updated draft to Ecology for review. After Ecology completes this review, ORP will then submit a final, signed TPA Change Request.

In Tank Characterization and Summary

For the period from February 1 – February 28, 2013:

Accomplishments:

- Completed RPP-PLAN-54455, Rev. 0, Tank 241-SY-102 Grab Sampling and Analysis Plan in Support of Corrosion Mitigation after Caustic Addition.
- Completed RPP-PLAN-54233, Rev. 1, Tank 241-AN-101 Grab Sampling and Analysis Plan at Tank 241-C-101 Mid-Retrieval.
- Completed Off-Riser Sampling System (ORSS) sampling of Tank 241-C-104 for closure on February 8, 2013.
- Completed Grab Sampling of Tank 241-SY-102 on February 20, 2013.
- RPP-RPT-54251, Rev. 0, Final Report for Tank 241-AY-102A Annulus Leak-Detection Pit Liquid Grab Samples, December 2012 was released on February 6, 2013.
- RPP-RPT-54251, Rev. 0, Final Report for Tank 241-AW-106 Grab Samples in Support of Evaporator Campaign for Fiscal Year 2013 was released on February 14, 2013.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-AN-101 grab sampling for chemistry control (C-101 mid-retrieval) is currently scheduled for March 2013.
 - Tank 241-C-109 ORSS sampling for closure is currently scheduled for April 2013.
 - Tank 241-AZ-102 grab sampling for the evaporator is currently scheduled for April 2013.
 - Tank 241-C-107 Mobile Arm Retrieval System (MARS) Drag Sampling for closure is currently scheduled for April 2013.
 - Tank 241-C-112 process sampling during hard heel retrieval is scheduled for May, 2013.
 - Tank 241-AY-101 grab sampling for chemistry control is currently scheduled for May 2013.
 - Tank 241-AN-102 grab sampling for chemistry control is currently scheduled for June 2013.

- BBI Updates: The following tanks have been identified for updates in FY13 Quarter 2. The BBI updates will be released in April 2013.
 - 241-AN-101
 - 241-AN-106
 - 241-AP-104
 - 241-AW-105
 - 241-AY-101
 - 241-AY-102
 - 241-AZ-101
 - 241-C-101
 - 241-C-108
 - 241-SY-102

- Data Quality Objectives (DQO)
 - A DQO on a Solubility Model is due to be released in April 2013.
 - A DQO for Tank C-112 Hard Heel Dissolution is due to be released in April, 2013.

Issues:

None.

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

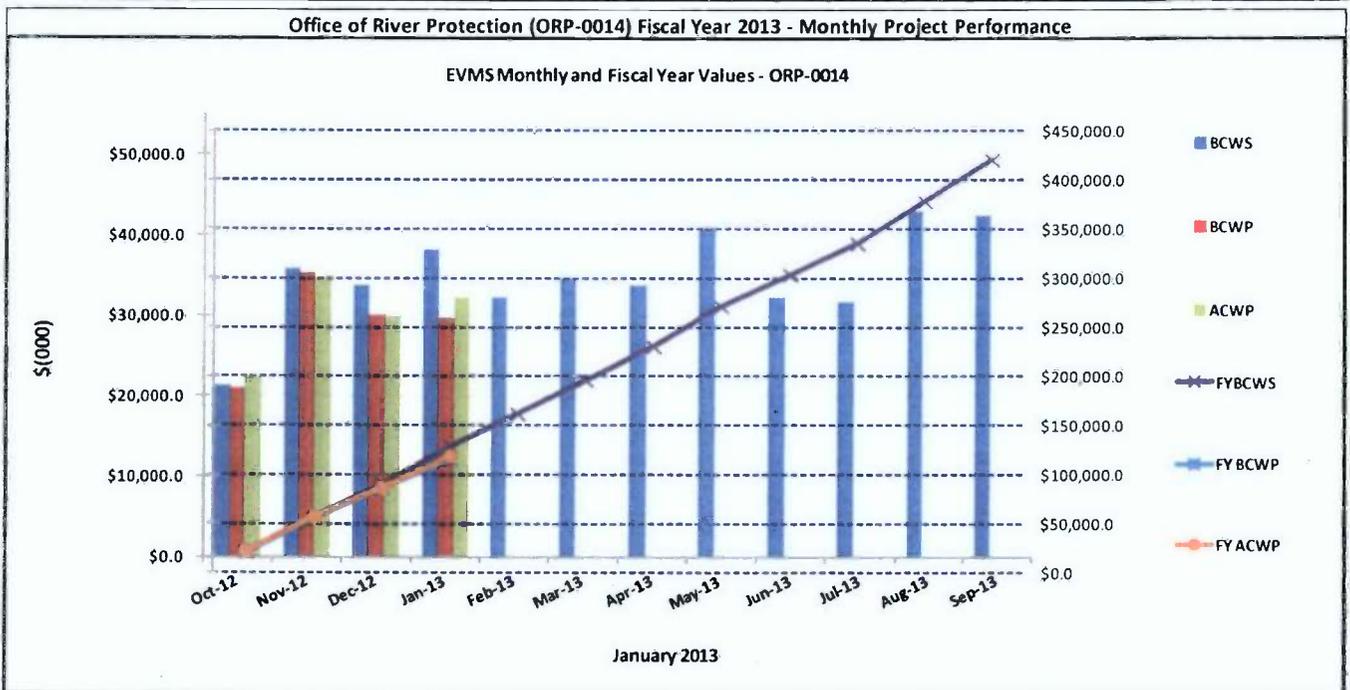
Project Performance

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

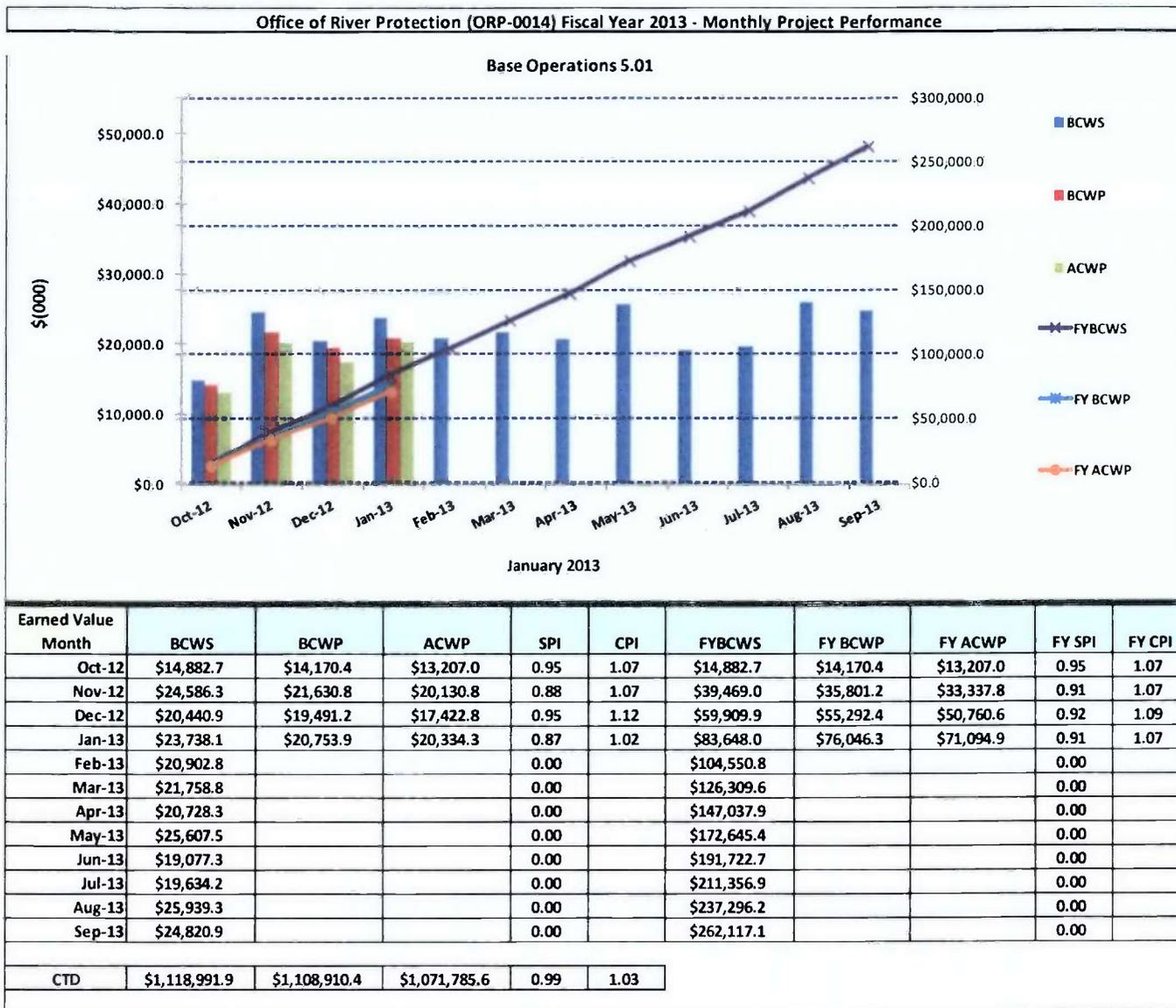
As of January 31, 2012, Washington River Protection Solutions LLC (WRPS) worked 6,354,716 hours (661 days) without a Lost Time Workday Injury and 28,404 hours (3 days) without a Recordable case. There were no Days Away, Restricted, or Transferred (DART) cases and one Recordable case in January.

WRPS Project Performance - (\$K)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	38,179.6	29,766.1	32,202.8	(8,413.5)	(2,436.7)	0.78	0.92			
FYTD	129,236.4	116,042.0	119,300.9	(13,194.4)	(3,258.9)	0.90	0.97	420,089.8	381,782.3	38,307.5
CTD	1,733,336.4	1,714,918.2	1,644,446.6	(18,418.2)	70,471.6	0.99	1.04	6,997,482.1	6,906,839.2	90,642.9

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



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$21,350.5	\$20,911.7	\$22,382.9	0.98	0.93	\$21,350.5	\$20,911.7	\$22,382.9	0.98	0.93
Nov-12	\$35,910.8	\$35,319.2	\$34,775.1	0.98	1.02	\$57,261.3	\$56,230.9	\$57,158.0	0.98	0.98
Dec-12	\$33,795.4	\$30,044.9	\$29,940.1	0.89	1.00	\$91,056.7	\$86,275.8	\$87,098.1	0.95	0.99
Jan-13	\$38,179.6	\$29,766.1	\$32,202.8	0.78	0.92	\$129,236.3	\$116,041.9	\$119,300.9	0.90	0.97
Feb-13	\$32,248.7			0.00		\$161,485.0			0.00	
Mar-13	\$34,599.7			0.00		\$196,084.7			0.00	
Apr-13	\$33,773.8			0.00		\$229,858.5			0.00	
May-13	\$40,892.1			0.00		\$270,750.6			0.00	
Jun-13	\$32,288.5			0.00		\$303,039.1			0.00	
Jul-13	\$31,800.4			0.00		\$334,839.5			0.00	
Aug-13	\$42,997.4			0.00		\$377,836.9			0.00	
Sep-13	\$42,434.3			0.00		\$420,271.2			0.00	
CTD	\$1,733,336.4	\$1,714,918.2	\$1,644,446.6	0.99	1.04					



Base Operations

Schedule Variance (\$2,984K):

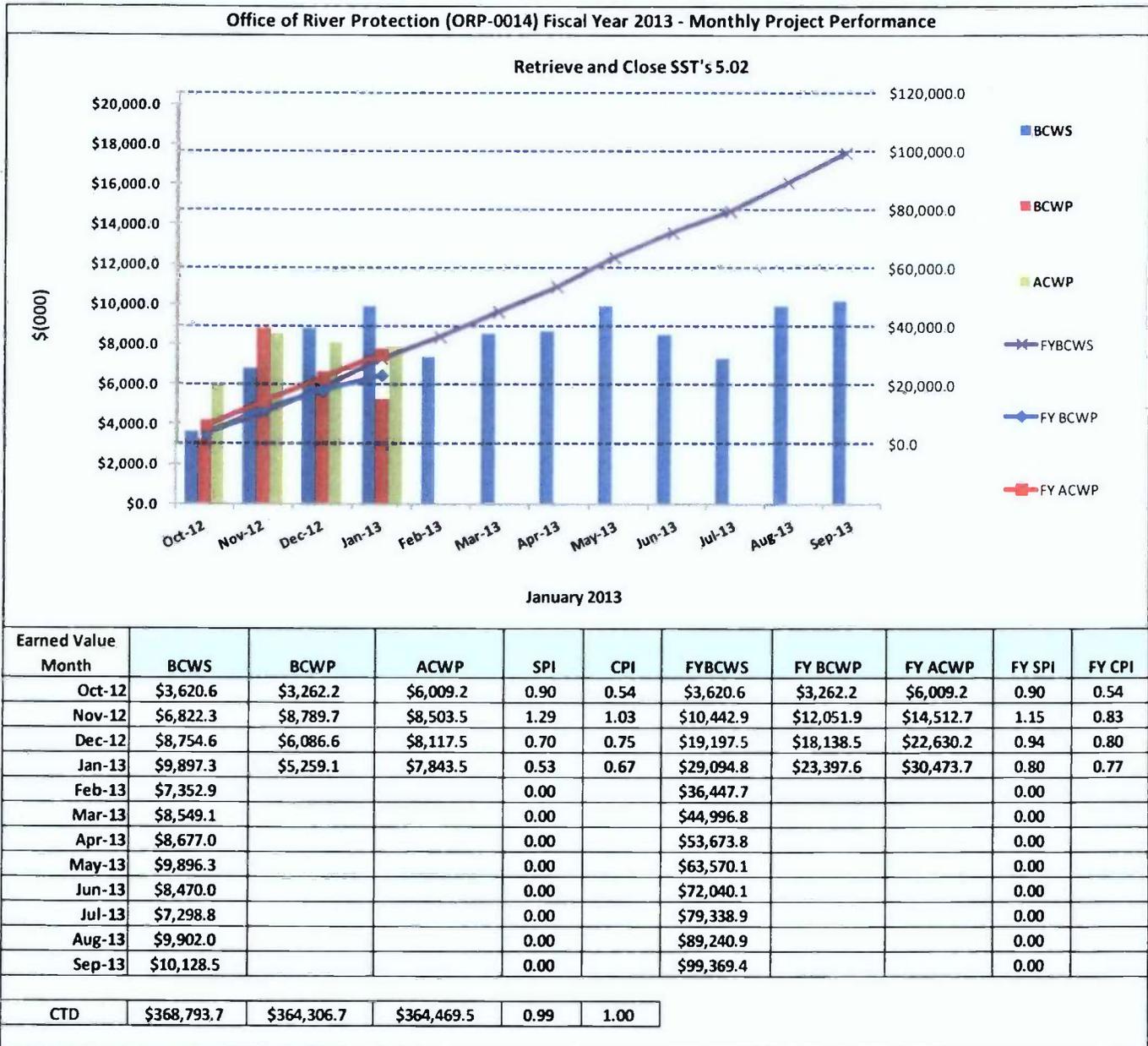
The unfavorable schedule variance is primarily due to:

- DST Infrastructure Upgrades; 1) Three month delay in the release of design media and finalized locations for the electrical and thermocouple installation due to resource availability and increased checking requirements identified in the newly issued engineering procedures 2) delays in stimulant valve testing materials procurement due to limited quantity ordered, equipment failure during production and complexity of producing the material.
- AY/AZ Farm Infrastructure; Suspension of the Waste Feed Delivery Systems projects as a result of the leak in AY-102
- One System Engineering; Delays in the completion of the software development of the SmartPlant Foundation (SPF).

Cost Variance \$419K:

The favorable cost variance is primarily due to:

- Base Operations Farms A/AX/AY/AZ: Labor resources charging out to Tank Farm Projects in support of the 241-AY-102 biweekly annulus video and preparation and field work for AY-101, AZ-101 and AZ-102 annulus videos.
- Extent of Conditions Field Execution: Efficiencies experienced in the 100% annulus video inspections.



Single-Shell Tanks

Schedule Variance (\$4,638K):

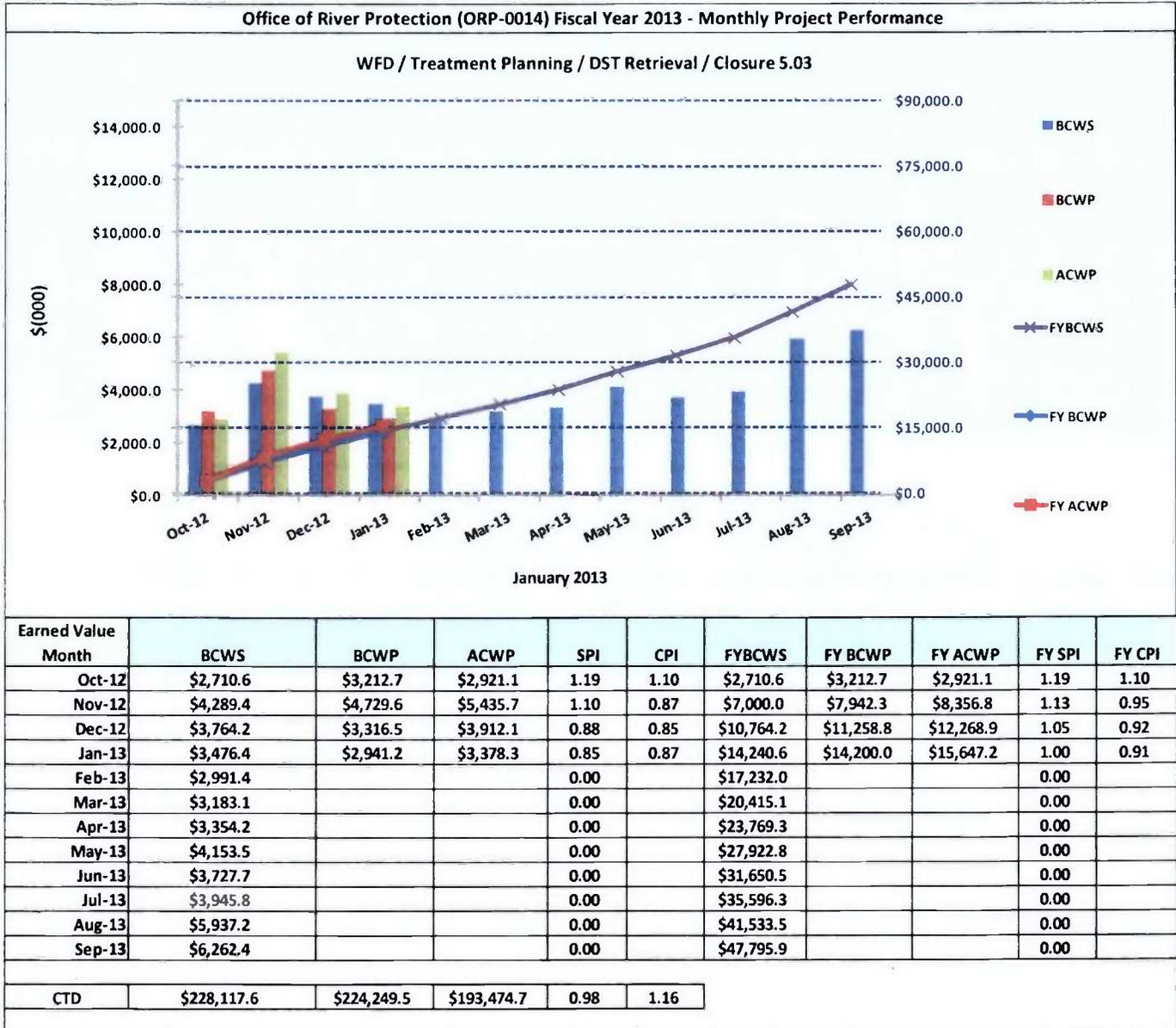
The unfavorable schedule variance is primarily due to:

- Delays in retrieval of single-shell tank C-102
- Increased testing of the MARS Educator to resolve cross filter plugging issues
- C-107 End Effector Repairs not anticipated
- Delayed replacement of the AN-106 supernate pump.
- Delay to the dome cut progress caused by a deferring profession opinion submitted and appealed.
- C-110 Hot Water Skid Procurement delay

Cost Variance (\$2,584K):

The unfavorable cost variance is primarily due to:

- Additional construction preparation and labor required at SST C-110
- Additional resources, material and subcontract due to hydraulic oil found in the AN-106 pump
- Increased testing of the MARS Educator
- Additional cost for SST C-105 dome cut preparations
- C-107 plugged fan nozzle and end effector repairs not anticipated
- C-112 additional Engineering for Caustic Addition
- Additional required C Farm Maintenance



Waste Feed Delivery/Treatment/DST Retrieval Closure

Schedule Variance (\$535K):

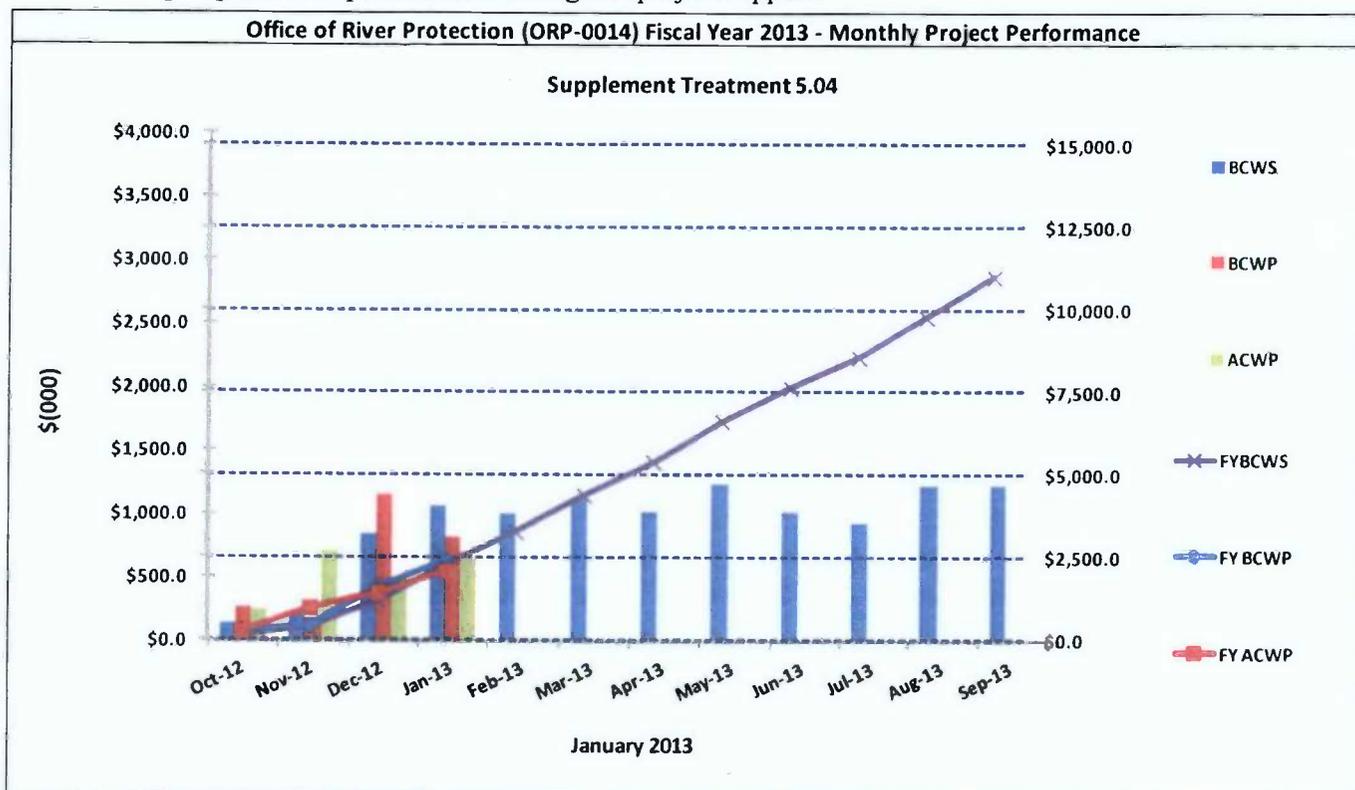
The unfavorable schedule variance is primarily due to:

- RPP System Plan; Delays in identifying the scenarios that needs to be included in the update to System Plan 6 Addendum (SP6A).

Cost Variance (\$437K):

The unfavorable cost variance is primarily due to:

- WFD System Performance; Additional contract labor cost associated with the full-scale transfer pump limits-of-performance testing and project support.



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$136.6	\$266.4	\$245.6	1.95	1.08	\$136.6	\$266.4	\$245.6	1.95	1.08
Nov-12	\$212.9	\$169.2	\$705.1	0.79	0.24	\$349.5	\$435.6	\$950.7	1.25	0.46
Dec-12	\$835.7	\$1,150.7	\$487.7	1.38	2.36	\$1,185.2	\$1,586.3	\$1,438.4	1.34	1.10
Jan-13	\$1,067.8	\$811.9	\$646.8	0.76	1.26	\$2,253.0	\$2,398.2	\$2,085.2	1.06	1.15
Feb-13	\$1,001.5			0.00		\$3,254.5			0.00	
Mar-13	\$1,108.8			0.00		\$4,363.3			0.00	
Apr-13	\$1,014.3			0.00		\$5,377.6			0.00	
May-13	\$1,234.8			0.00		\$6,612.4			0.00	
Jun-13	\$1,013.5			0.00		\$7,625.9			0.00	
Jul-13	\$921.5			0.00		\$8,547.4			0.00	
Aug-13	\$1,218.8			0.00		\$9,766.2			0.00	
Sep-13	\$1,222.5			0.00		\$10,988.7			0.00	
CTD	\$17,433.1	\$17,451.5	\$14,716.8	1.00	1.19					

Supplemental Treatment

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-20, Submit Interim Measure Investigation Work Plan to Ecology, Due: 12/31/12, Status: Completed on 12/06/12. ORP will submit to Ecology for review and approval an interim measures investigation work plan for to vadose zone characterization at 241-TX Farm and 241-U Farm, and soil desiccation/contaminant removal proof-of-principal test at 241-SX Farm. The work plan will also be submitted with a TPA Change Package to establish milestone due date for M-045-22 and target dates for submittal of three secondary documents, see M-045-22-T01, -T02, and -T03. Added per TPA change package M-45-12-04. ORP submitted this work plan and a draft TPA change package for dates for M-045-22 and its targets on 12/06/12 via letter 12-TF-0054. Ecology responded via 12-NWP-190 authorizing ORP to begin field work while Ecology completed their review of the Work Plan. Ecology provided comments on the Work Plan in the January 2013 TPA Project Managers' meeting. Comments have been resolved and the Work Plan revised. The revised Work Plan and final TPA change package are being transmitted to Ecology.

M-045-21, Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation, Due: 03/31/13, Status: Completed on 03/11/13. Added per TPA change package M-45-12-04. The Sample Analysis Plan was finalized and was transmitted to Ecology via ORP letter 13-TF-0013 on 03/11/13.

M-045-22, Review M-045-22-T03 Report and Determine Path Forward, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. This ORP/Ecology decision point will determine whether to continue with soil desiccation/contaminant removal testing and other interim measures, and if remaining work in Milestone M-045-92 should be modified. Added per TPA change package M-45-12-04. ORP submitted a draft TPA change package for dates for M-045-22 and its targets on 12/06/12 via letter 12-TF-0054.

M-045-22-T01, Submit Results of Vadose Zone Characterization of 241-TX to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule.

M-045-22-T02, Submit Results of Vadose Zone Characterization of 241-U to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule.

M-045-22-T03, Submit SX Soil Desiccation/Contaminate Removal Tech Results to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule.

M-045-56I, Complete Implementation of Agreed to Interim Measures, Due: 07/31/13, 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 WMAS (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/2014, Status: At Risk. Please see Issues.

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Implementation Plan for WMA C, Due: 06/30/2015, Status: At Risk. Please see Issues.

TO BE MISSED

M-045-92, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 09/30/2017, Status: On Schedule. This milestone date has been modified according to M-45-12-04 and the decision to move forward with construction/design of additional barriers dependent on discussions per M-045-22.

M-045-92N, Construct Barriers 1 and 2 in 241-SX Farm Due: 10/31/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3 Due: 06/30/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

Significant Past Accomplishments:

- Provided the interim measures investigation Work Plan for M-045-20 and draft TPA change package for M-045-22 and its targets via ORP letter 12-TF-0054 on 12/06/12.
- Automated data collection systems for T-Farm and TY Farm interim barrier monitoring continue gathering data.
- Ground penetrating radar was performed in C farm near the C-200s to support direct push work.
- Ground penetrating radar was performed in U farm, TX farm, and south of SX farm to support interim measures investigation described in the M-045-20 work plan.
- Direct push field work continues south of SX farm under the M-045-20 work plan.
- The Sample Analysis Plan for 241-TX Farm was finalized for transmittal to Ecology.

Significant Planned Actions in the Next Six Months:

- Revise the TY Interim Surface Barrier Monitoring Plan, per approved TPA Change Notice 2012-09.
- Transmit the Sample Analysis Plan for 241-TX Farm for M-045-21.
- Initiate direct push field work in TX farm under the M-045-20 work plan.
- Initiate electrical resistivity field work in U farm under the M-045-20 work plan.
- Perform direct push/electrical resistivity field work near the C-200 tanks per the WMA C Phase 2 RFI/CMS Work Plan.

SST Retrieval and Closure Program

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

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

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

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

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

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

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

Significant Past Accomplishments:

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

Significant Planned Activities in the Next Six Months:

- Perform post-retrieval logging of drywells near C-108 in support of the M-045-86 retrieval data report.
- Continue analysis of the post-retrieval samples from tank C-104.
- See discussions above and related discussions in Consent Decree report.

Issues:

The WMA-C performance assessment (PA) is not currently funded in fiscal year 2013. ORP has reported previously that the WMA-C PA would need to be funded by March 31, 2013 in order to maintain milestone schedule. As a result of the continued non-funding of the WMA-C PA, TPA Milestones M-045-61, M-045-62, and M-045-82 are now To Be Missed.

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

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

Tank Waste Retrieval Work Plan (TWRWP) Status

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

Significant Accomplishments:

None.

Significant Planned Activities in the Next 6 Months:

Work with Ecology on updates to, RPP-22520 and RPP-37739 for tanks C-105 and C-111.

Issues:

None.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria

Tank 241-C-106

Significant Past Accomplishments:

None

Significant Planned Activities in the Next Six Months:

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

Issues:

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

Tank Retrievals with Individual Milestones

Tank 241-A-103

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: 9/30/22 Status: On schedule. Change package M-45-11-04 replaced tank S-102 with tank A-103 and changed to milestone completion date for M-045-15 to 09/30/2022.

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

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: 9/30/22, Status: On Schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

Significant Past Accomplishments:

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

Significant Planned Activities in the Next Six Months and Issues:

None

Tank 241-S-112

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

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

Significant Past Accomplishments:

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

Significant Planned Activities in the Next Six Months or Issues:

None.

WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP) PROJECT

Number	Title	Due Date	Status
M-062-01Z	Submit Semi-Annual TPA Project Compliance Report	01/31/2013	Complete
M-062-01AA	Submit Semi-Annual TPA Project Compliance Report	7/31/2013	On Schedule

***SEE THE MARCH 2013 ORP CONSENT DECREE 08-5085-FVS
MONTHLY SUMMARY REPORT FOR WTP FACILITY-SPECIFIC
INFORMATION**

FINAL

Office of River Protection
Consent Decree 08-5085-FVS

Monthly Summary Report

March 2013

Office of River Protection**Consent Decree 08-5085-FVS
Monthly Summary Report****March 2013 (Project EVMS reflects January 2013)**

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

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2013				
D-00C-02X	Submit to Ecology & State of Oregon Monthly Summary Report	10/31/2012	10/31/2012	Completed
D-00C-02Y	Submit to Ecology & State of Oregon Monthly Summary Report	11/30/2012	11/20/2012	Completed
D-00C-02Z	Submit to Ecology & State of Oregon Monthly Summary Report	12/31/2012	12/26/2012	Completed
D-00A-05	LAB Construction Substantially Complete	12/31/2012	12/31/2012	Completed
D-00A-12	Steam Plant Construction Complete	12/31/2012	12/31/2012	Completed
D-00A-21	Complete Construction of Structural Steel to EL. 37' in HLW Fac.	12/31/2012	10/24/2012	Completed
D-00C-01F	Submit to Ecology & State of Oregon Semi-Annual Report	01/31/2013	01/31/2013	Completed
D-00C-02AA	Submit to Ecology & State of Oregon Monthly Summary Report	01/31/2013	01/24/2013	Completed
D-00C-02AB	Submit to Ecology & State of Oregon Monthly Summary Report	02/28/2013	02/25/2013	Completed
D-00C-02AC	Submit to Ecology & State of Oregon Monthly Summary Report	03/31/2013		On-going
**D-00C-02AD	Submit to Ecology & State of Oregon Monthly Summary Report	04/30/2013		On-going
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.				
D-00C-01G	Submit to Ecology & State of Oregon Semi-Annual Report	07/31/2013		On-going
D-006-00-A1	Provide State of Oregon Notice of Meetings	09/25/2013		On-going
Fiscal Year 2014				
D-006-00-A	Meet Approximately Every 3 Years to Review Requirements of CD	10/25/2013		On-going
D-00B-01	Complete Retrieval of Tank Waste from 10 SSTs in WMA-C	09/30/2014		On-going
D-00B-02	Advise Ecology of the 9 SSTs Waste Will be Retrieved by 2022	09/30/2014	08/22/2011	Completed

Reports

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

D-00C-02 series, Submit to Ecology & State of Oregon Monthly Summary Report

Documenting Progress During Previous Month, Due: End of Each Month, Status: On-going

SST Retrieval Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C, Due: 9/30/2014, Status: On-going

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

Pursuant to the requirement in Section IV-B-5 of the Consent Decree (CD), DOE must submit to Ecology a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix "C", Part 1, of the CD.

D-00B-02, Advise Ecology of the 9 SSTs from which Waste Will Be Retrieved by 2022, Due: 9/30/2014, Status: Completed on 08/24/2011.

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

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

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

Significant Past Accomplishments:

1. Continued operation of the modified sluicing system in C-101 using ERSS.
2. Completed the installation of the new AN-106 pump.
3. Completed field activities associated with repair of the C-107 MARS end effector high pressure spray water nozzle leak.
4. Completed initial training for the Fold-Track at the Cold Test Facility for future use at C-110 SST.
5. Transported the Fold-Track unit to C Farm for installation into C-110.
6. On 2/18/13 Ecology issued its concurrence with the ORP Retrieval Completion Certification Report documenting the completion of retrieval in single-shell tank 241-C-104 on August 17, 2012, using the modified sluicing and chemical dissolution technologies as described in the Tank Waste Retrieval Work Plan approved by Ecology on 9/20/11.

Significant Planned Activities in the Next Six Months:

1. Complete testing of the new AN-106 and utilize for MARS operation.
2. Begin start-up of the modified sluicing system in C-102.
3. Complete installation of the MARS-V in C-105.
4. Complete C-107 hard heel retrieval.
5. Submit retrieval certificates of completion for C-104, C-108, and C-109 to Ecology.
6. Begin start-up of hard heel retrieval in C-110 using the Fold-Track.

Issues:

1. DOE-ORP has delayed dome cut activities using the water/abrasive cutting technique for tank C-105 and has experienced delays to the planned schedule while resolution of an

issue through the Differing Professional Opinion process DOE O 442.2 is completed. DOE-ORP and its Contractor are evaluating the schedule impacts and possible mitigation actions for alternative cutting techniques.

2. DOE-ORP and its Contractor are reviewing whether the amount of sludge being stored in the tanks causes additional hazards due to gas generation and the potential that gas could be released within the headspace of the tank safely. While this issue is under review, controls have been put in place to limit the amount of sludge being added to the DSTs during C Farm retrieval.

Tank Waste Retrieval Work Plan (TWRWP) Status

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

Significant Accomplishments

None.

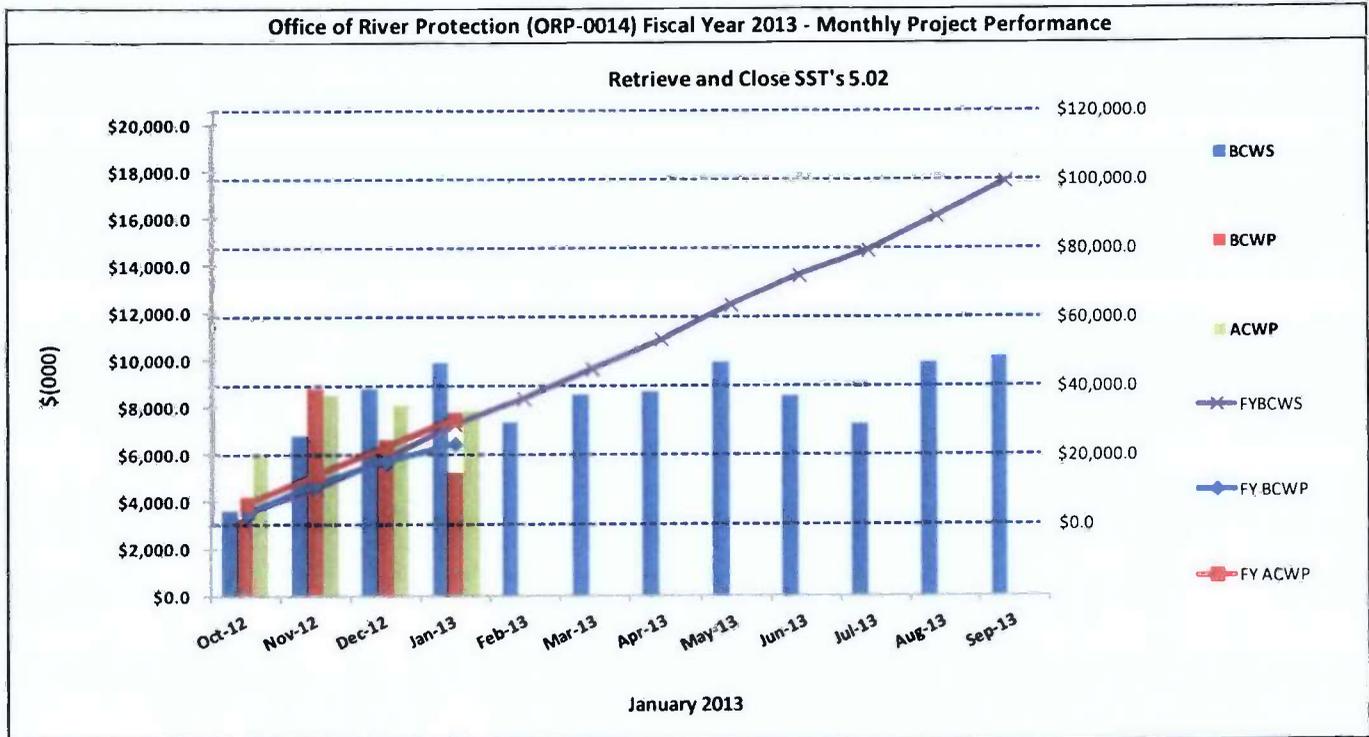
Significant Planned Activities in the Next 6 Months:

Work with Ecology on updates to RPP-22520 and RPP-37739 for tanks C-105 and C-111.

Issues:

None.

SST Retrieval Monthly and Fiscal Year EVMS Data



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-12	\$3,620.6	\$3,262.2	\$6,009.2	0.90	0.54	\$3,620.6	\$3,262.2	\$6,009.2	0.90	0.54
Nov-12	\$6,822.3	\$8,789.7	\$8,503.5	1.29	1.03	\$10,442.9	\$12,051.9	\$14,512.7	1.15	0.83
Dec-12	\$8,754.6	\$6,086.6	\$8,117.5	0.70	0.75	\$19,197.5	\$18,138.5	\$22,630.2	0.94	0.80
Jan-13	\$9,897.3	\$5,259.1	\$7,843.5	0.53	0.67	\$29,094.8	\$23,397.6	\$30,473.7	0.80	0.77
Feb-13	\$7,352.9			0.00		\$36,447.7			0.00	
Mar-13	\$8,549.1			0.00		\$44,996.8			0.00	
Apr-13	\$8,677.0			0.00		\$53,673.8			0.00	
May-13	\$9,896.3			0.00		\$63,570.1			0.00	
Jun-13	\$8,470.0			0.00		\$72,040.1			0.00	
Jul-13	\$7,298.8			0.00		\$79,338.9			0.00	
Aug-13	\$9,902.0			0.00		\$89,240.9			0.00	
Sep-13	\$10,128.5			0.00		\$99,369.4			0.00	
CTD	\$368,793.7	\$364,306.7	\$364,469.5	0.99	1.00					

Single-Shell Tanks

Schedule Variance (\$4,638K):

The unfavorable schedule variance is primarily due to:

- Delays in retrieval of single-shell tank C-102
- Increased testing of the MARS Eductor to resolve cross filter plugging issues
- C-107 End Effector Repairs not anticipated
- Delayed replacement of the AN-106 supernate pump.
- Delay to the dome cut progress caused by a deferring profession opinion submitted and appealed.
- C-110 Hot Water Skid Procurement delay

Cost Variance (\$2,584K):

The unfavorable cost variance is primarily due to:

- Additional construction preparation and labor required at SST C-110
- Additional resources, material and subcontract due to hydraulic oil found in the AN-106 pump
- Increased testing of the MARS Eductor
- Additional cost for SST C-105 dome cut preparations
- C-107 plugged fan nozzle and end effector repairs not anticipated
- C-112 additional Engineering for Caustic Addition
- Additional required C Farm Maintenance

Waste Treatment and Immobilization Plant (WTP) Project

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

The project currently employs approximately 2264 Full-Time Equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 596 craft, 434 non-manual, and 121 subcontractor personnel FTEs working at the WTP construction site (all facilities). As of January 2013, the combined Low-Activity Waste, Analytical Laboratory and Balance of Facilities were 60 percent complete, design and engineering was 76 percent complete, procurement was 81 percent complete, construction was 67 percent complete, and startup and commissioning was 9 percent complete. In October 2012, the Baseline Change Proposal that implemented the LBL 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. The percent complete values for PT and HLW have been frozen at the September rates due to the development of a 2 year Interim Work Plan.

In January 2013, the cumulative-to-date WTP Project schedule variance was a positive \$2.7 M. The cumulative-to-date WTP Project cost variance was a negative \$49.9M. The recent contribution to the cumulative-to-date schedule variance is due to early deliveries of plant equipment and construction activities. The major contribution to the cumulative-to-date cost variance is the negative cost variance carried over from the LBL replan.

The following is the status of project matters through the end of January:

Significant Past Accomplishments:

- Confirmed all LAW mechanical system calculations (LAW)
- Completed hydro testing of piping in the chiller compressor building (BOF)
- Awarded contract for repairs of RLD vessels 163, 164, and 165 to CBI (LAB)

Significant Planned Actions in the Next Six Months:

- Complete the HPAV HGR rate calculations (PT)
- Award contract(s) for prototype design/fabrication for HEPA filter redesign (HLW)
- Complete installation of melter power supplies (LAW)
- Complete installation of Auto Sampling (ASX system) (LAW)
- Complete construction of the Glass Former Storage Facility (BOF)
- Complete construction of WTP Chiller Compressor Plant (BOF)
- Completion of the high purity gas system layup (LAB)

Issues:

* Technical issues relevant to the PTF and HLW facilities include, among others, pulse jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

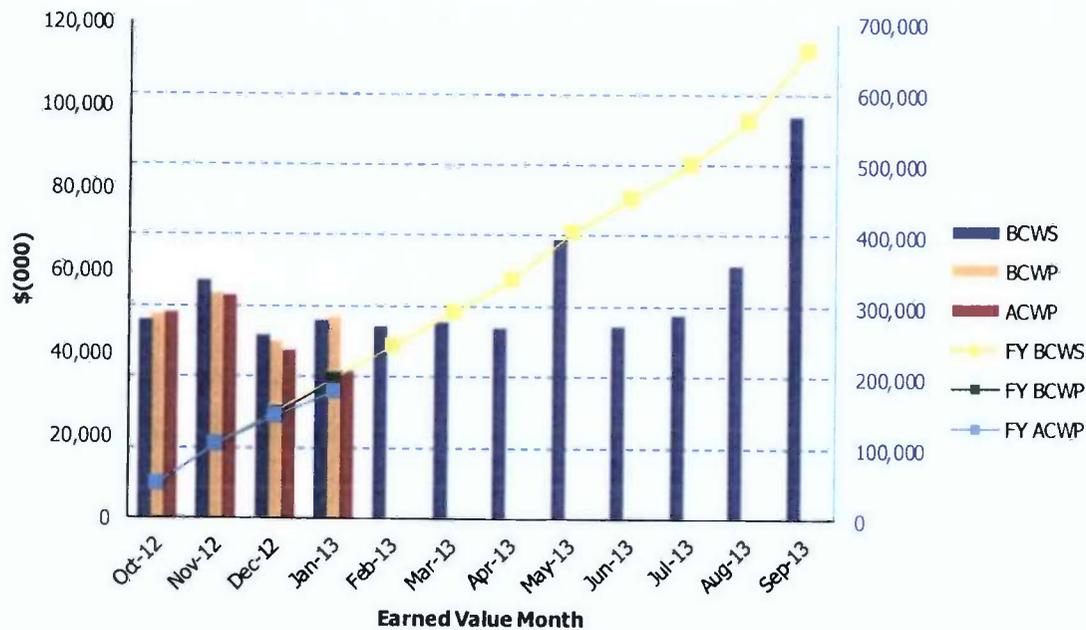
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$47,840	\$49,300	\$49,742	1.03	0.99	\$47,840	\$49,300	\$49,742	1.03	0.99
Nov 2012	\$57,411	\$54,398	\$53,916	0.95	1.01	\$105,251	\$103,698	\$103,658	0.99	1.00
Dec 2012	\$44,336	\$43,083	\$40,457	0.97	1.06	\$149,587	\$146,781	\$144,115	0.98	1.02
Jan 2013	\$47,780	\$49,037	\$35,389	1.03	1.39	\$197,367	\$195,818	\$179,504	0.99	1.09
Feb 2013	\$46,559					\$243,926				
Mar 2013	\$47,461					\$291,387				
Apr 2013	\$46,122					\$337,509				
May 2013	\$67,705					\$405,214				
Jun 2013	\$46,723					\$451,937				
Jul 2013	\$49,396					\$501,333				
Aug 2013	\$61,319					\$562,652				
Sep 2013	\$97,343					\$659,995				
PTD	\$7,337,977	\$7,340,685	\$7,390,561	1.00	0.99					

PRETREATMENT (PT) FACILITY

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

The Pretreatment (PT) Facility will separate radioactive tank waste into High Level Waste (HLW) and Low-Activity Waste (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. Additional work-scope is required to resolve outstanding technical issues, which will impact the engineering design percent complete status and schedule for completion.

Significant Past Accomplishments:

The key on-going activities in PT are resolution of technical issues, hazard analyses and safety evaluations for process systems.

Due to the development of a 2 year Interim Work Plan, construction, procurement, and production engineering is on hold, resulting in no change to the percent complete status since September.

The Design Completion Team continues to have discussions on resolution of open technical issues to ensure the design changes are required and requirements are finalized. The abrasivity measuring technology for erosion program has been selected to support testing program.

Construction of the mixing test platform continues as part of preparations for full-scale testing. Engineering studies are being performed to determine full-scale test objectives, vessel selections, and instrument functions to support full scale testing. BNI has completed the 8-ft platform systems calibration and alignment for full-scale vessel testing. The National labs are developing test plan, simulant, and instrumentation requirements. Evaluations are ongoing to understand the available redundancy in case of failures in the black cells. At the same time, available technology is being reviewed to support in-service inspection.

BNI has completed weld inspections for four installed black cell vessels as part of the weld deficiency extent of condition evaluation.

Engineering solutions have been developed by BNI and the recommendation is to modify the bottom head and bottom head cooling jacket on the High Level Waste Lag Storage HLP Vessels (HLP-VSL-0027A, HLP-VSL-0027B, and HLP-VSL-0028). Constructability of this change is under review.

Significant Planned Actions in the Next Six Months:

- Complete the HPAV HGR rate calculations
- Independent review of potential for Criticality in Vessels
- Review of Flammable Gas Generation, Retention, and Release from sediments in vessels
- Decision process for Vessel Structural Modifications
- Develop vessel specific particle characteristics report for erosion/corrosion
- Complete HAZOP for PVP system
- Key activities for resolution of technical issues
- Develop test matrix for erosion/corrosion
- Perform testing of PJM control strategy at 8-ft platform

Issues:

* Technical issues relevant to the PTF and HLW facilities include, among others, pulse jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

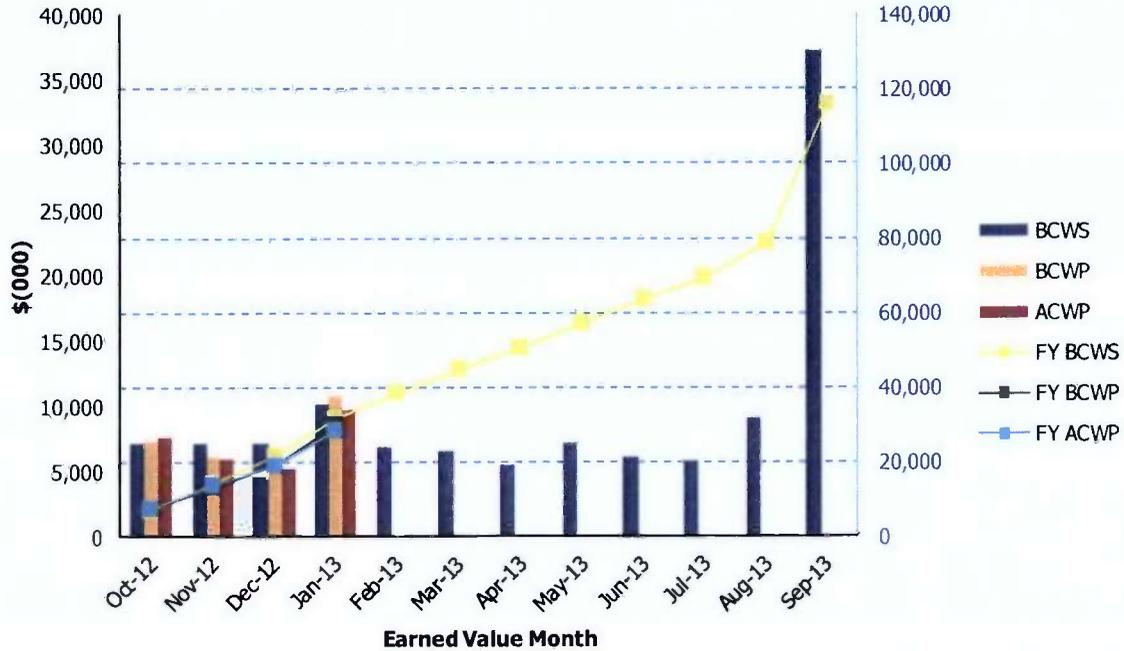
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

**River Protection Project
Pretreatment Facility**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$7,077	\$7,269	\$7,660	1.03	0.95	\$7,077	\$7,269	\$7,660	1.03	0.95
Nov 2012	\$7,200	\$6,130	\$5,974	0.85	1.03	\$14,277	\$13,399	\$13,634	0.94	0.98
Dec 2012	\$7,163	\$5,619	\$5,230	0.78	1.07	\$21,440	\$19,018	\$18,864	0.89	1.01
Jan 2013	\$10,097	\$10,759	\$9,756	1.07	1.10	\$31,537	\$29,777	\$28,620	0.94	1.04
Feb 2013	\$6,794					\$38,331				
Mar 2013	\$6,486					\$44,817				
Apr 2013	\$5,481					\$50,298				
May 2013	\$7,201					\$57,499				
Jun 2013	\$6,128					\$63,627				
Jul 2013	\$5,832					\$69,459				
Aug 2013	\$9,097					\$78,556				
Sep 2013	\$37,287					\$115,843				

PTD \$1,442,004 \$1,440,243 \$1,439,087 1.00 1.00

HIGH-LEVEL WASTE (HLW) 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	On-going *
D-00A-03	Start HLW Facility Cold Commissioning	6/30/2018	On-going *
D-00A-04	HLW Facility Hot Commissioning Complete	12/31/2019	On-going *

The High Level Waste (HLW) Facility will receive the separated high-level waste concentrate from the Pretreatment (PT) Facility. This concentrate will be blended with glass formers and converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters. After cooling, the canisters will be sealed and decontaminated prior to shipment to interim storage. As of September 2012, the HLW Facility is 62 percent complete overall, with engineering design 89 percent complete, procurement 81 percent complete, construction 43 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

Key ongoing Construction activities are: placement of walls at the 37' elevation; installation of structure steel at the 58' elevation; installation of cable tray supports and HVAC ducts at the 14' elevation. Structural steel associated with the canister import bay is complete.

Due to the development of a 2 year Interim Work Plan, construction, procurement, and production engineering has significantly slowed down, resulting in minimal change to the percent complete status since September.

Key ongoing Engineering and ENS activities are: support construction, procurement, Reliability Validation Process (RVP) towards resolution of level 1 findings and Preliminary Documented Safety Analysis (PDSA) update.

The Design Completion Team continues to have discussions on resolution of open technical issues to ensure the design changes are required and requirements are finalized.

To resolve the HEPA filter issue, a schedule to procure a redesigned filter that will meet plant operating conditions has been developed. A request for proposal has been issued. Once the vendors are selected, the redesigned filters will be tested and the best option selected; the successful design will then go through qualifying testing for use in WTP.

The current Plant Wash and Drain Vessel (RLD-VSL-08) will be repurposed for use in full-scale testing and a new vessel will be procured to replace it. The new RLD-VSL-08 along with the Acidic Waste Vessel (RLD-VSL-07) will be modified from the current design to incorporate

changes recommended by the S-1 Team and any issues identified by RVP. An Engineering study to implement changing to a pump design from the RFD and ejectors for RLD-VSL-7/8 has been issued.

First phase of RVP (Wave 1) is almost complete with the findings being categorized and recorded. BNI is in the process of initiating review and analysis of the issues identified to develop path forward for resolutions. PIERs are being developed to track resolution of the issues. BNI has started the second phase of RVP (Wave 2) that includes review of the HLW C5V system.

Significant Planned Actions in the Next Six Months:

- Award contract(s) for prototype design/fabrication for HEPA filter redesign
- Complete RVP reviews
- Complete the first of the two Authorization Basis Amendment Requests (ABARs) to support Preliminary Documented Safety Analysis (PDSA) upgrade – focus of the first ABAR is to incorporate changes in the facility and control descriptions
- Complete review of fabrication of the Thermal Catalytic Oxidizer
- Develop plan to close technical issues and other issues (e.g., safety basis compliance, QA issues and design defensibility) to support ramp-up of HLW construction

Issues:

* Technical issues relevant to the PTF and HLW facilities include, among others, pulse jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

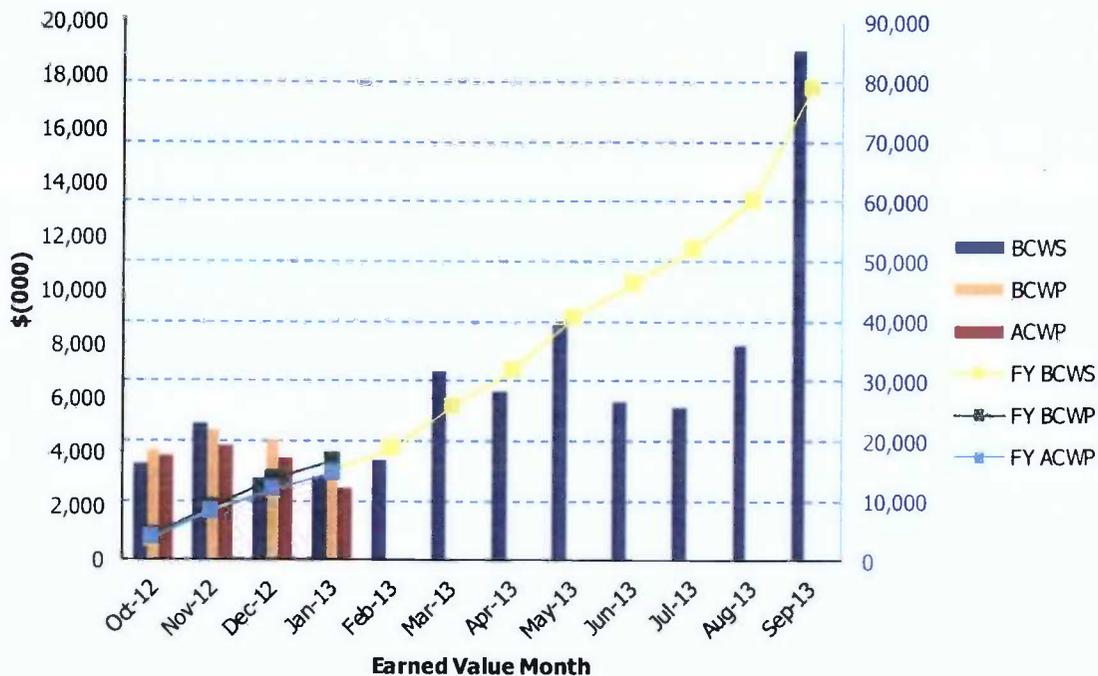
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$3,545	\$4,105	\$3,895	1.16	1.05	\$3,545	\$4,105	\$3,895	1.16	1.05
Nov 2012	\$5,079	\$4,852	\$4,256	0.96	1.14	\$8,624	\$8,957	\$8,151	1.04	1.10
Dec 2012	\$3,054	\$4,496	\$3,795	1.47	1.18	\$11,678	\$13,453	\$11,946	1.15	1.13
Jan 2013	\$3,092	\$3,266	\$2,714	1.06	1.20	\$14,770	\$16,719	\$14,660	1.13	1.14
Feb 2013	\$3,760					\$18,530				
Mar 2013	\$7,017					\$25,547				
Apr 2013	\$6,253					\$31,800				
May 2013	\$8,717					\$40,517				
Jun 2013	\$5,876					\$46,393				
Jul 2013	\$5,685					\$52,078				
Aug 2013	\$8,029					\$60,107				
Sep 2013	\$18,964					\$79,071				
PTD	\$936,903	\$938,848	\$936,793	1.00	1.00					

LOW-ACTIVITY WASTE (LAW) FACILITY

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

The Low-Activity Waste (LAW) Facility will vitrify LAW from the Pretreatment (PT) Facility. Waste will be mixed with glass formers, vitrified into glass at a design capacity of 30 metric tons per day, and placed in stainless steel containers that are anticipated to be disposed on the Hanford Site in the Integrated Disposal Facility. As of January 2013, the LAW Facility is 62 percent complete overall, with engineering design 76 percent complete, procurement 84 percent complete, construction 62 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

- Completed 80% of architectural walls
- All LAW mechanical system calculations are confirmed
- Completed 62% of scheduled and unscheduled electrical conduit
- Hydro-testing 17% complete
- Completion of coaxial pipe on 28' elevation

Significant Planned Actions in the Next Six Months:

- Complete installation melter power supplies
- Complete installation of Auto Sampling (ASX) system
- Receive HEPA Pre-heaters for LAW Secondary Offgas/Vessel Vent Process (LVP) system
- Commence installation of melter refractory
- Award the LBL piping heat trace and insulation subcontract

Issues:

No major issues at this time

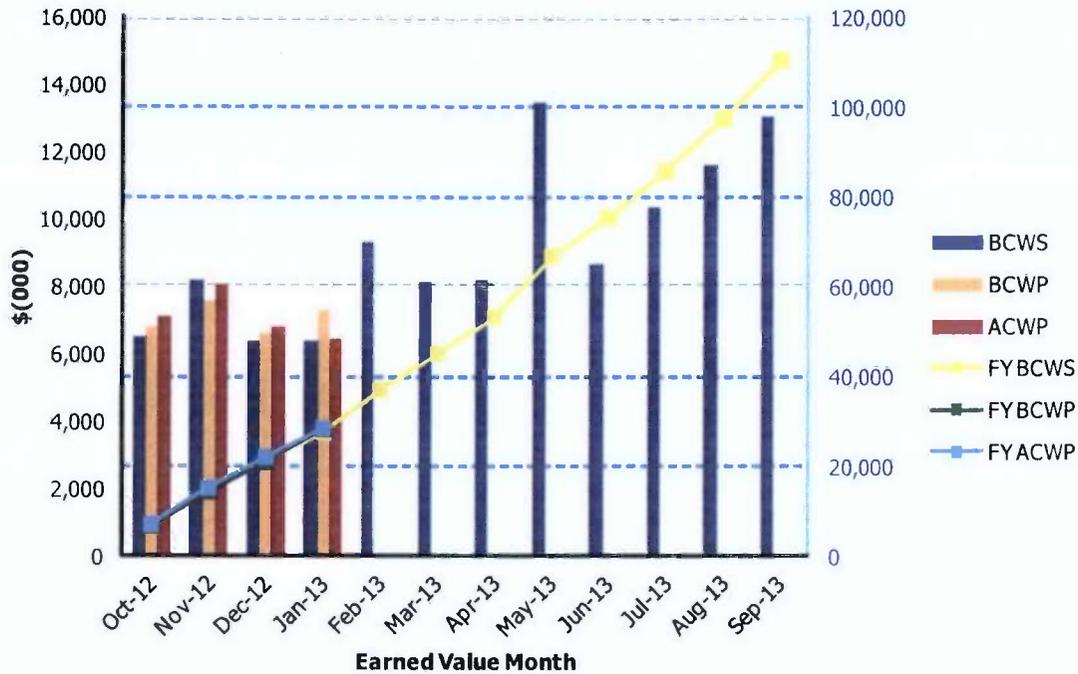
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

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

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$6,536	\$6,787	\$7,142	1.04	0.95	\$6,536	\$6,787	\$7,142	1.04	0.95
Nov 2012	\$8,212	\$7,602	\$8,071	0.93	0.94	\$14,748	\$14,389	\$15,213	0.98	0.95
Dec 2012	\$6,418	\$6,648	\$6,814	1.04	0.98	\$21,166	\$21,037	\$22,027	0.99	0.96
Jan 2013	\$6,392	\$7,303	\$6,469	1.14	1.13	\$27,558	\$28,340	\$28,496	1.03	0.99
Feb 2013	\$9,346					\$36,904				
Mar 2013	\$8,128					\$45,032				
Apr 2013	\$8,191					\$53,223				
May 2013	\$13,479					\$66,702				
Jun 2013	\$8,654					\$75,356				
Jul 2013	\$10,372					\$85,728				
Aug 2013	\$11,603					\$97,331				
Sep 2013	\$13,058					\$110,389				
PTD	\$721,269	\$725,328	\$777,042	1.01	0.93					

BALANCE OF FACILITIES (BOF)

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

The Balance of Facilities (BOF) provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. As of December 2012, the BOF is 54 percent complete overall, with engineering design 76 percent complete, procurement 68 percent complete, construction 71 percent complete, and startup and commissioning is 9 percent complete. A concern has been raised about the effectiveness of the design for the cathodic protection system. BNI is designing and installing test stations to improve the understanding of the effectiveness of the system.

Significant Past Accomplishments:

- Completed hydro testing of piping in the chiller compressor building
- Started low voltage electrical testing for building 87
- Completed installing the combination air valves and pressure safety valves for the demineralized water and domestic water systems

Significant Planned Actions in the Next Six Months:

- Complete Construction of the WTP Chiller Compressor Plant (CCP)
- Complete the component and functional testing of the low and medium voltage (LVE/MVE) and fire detection (FDE) systems in the Switchgear Building (Bldg. 87)
- Complete construction of the Glass Former Storage Facility
- Complete placement of grout for load stabilization beneath pipe rack column bases

Issues:

No major issues at this time

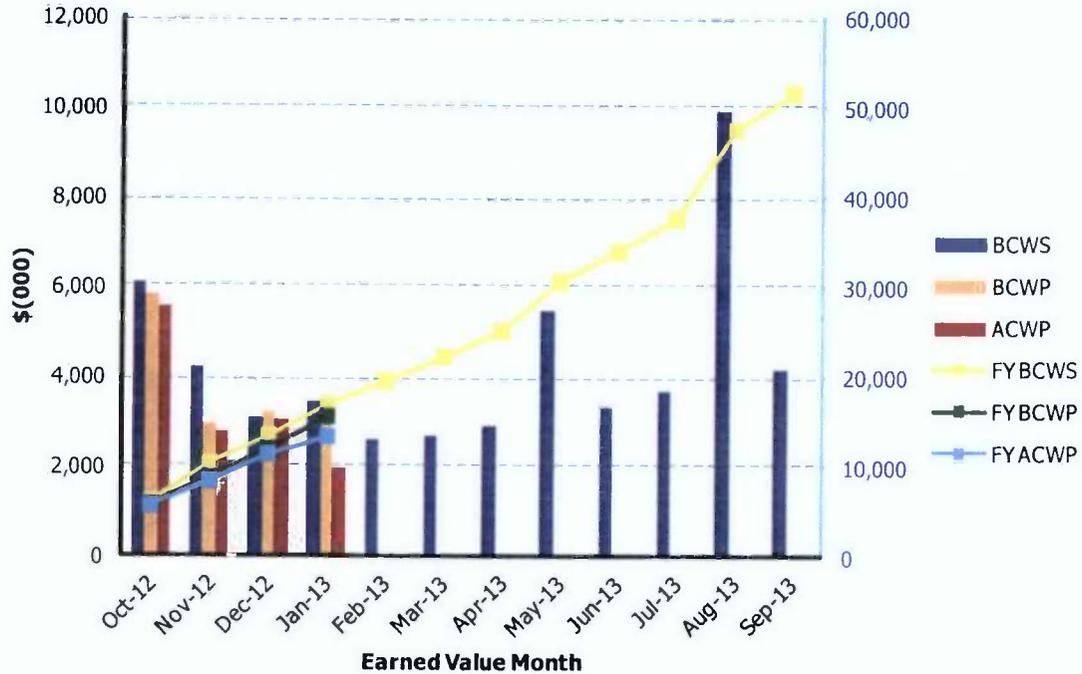
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

**River Protection Project
Balance of Facilities**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$6,106	\$5,820	\$5,580	0.95	1.04	\$6,106	\$5,820	\$5,580	0.95	1.04
Nov 2012	\$4,226	\$2,955	\$2,775	0.70	1.06	\$10,332	\$8,775	\$8,355	0.85	1.05
Dec 2012	\$3,077	\$3,213	\$3,026	1.04	1.06	\$13,409	\$11,988	\$11,381	0.89	1.05
Jan 2013	\$3,452	\$3,559	\$1,970	1.03	1.81	\$16,861	\$15,547	\$13,351	0.92	1.16
Feb 2013	\$2,585					\$19,446				
Mar 2013	\$2,704					\$22,150				
Apr 2013	\$2,894					\$25,044				
May 2013	\$5,490					\$30,534				
Jun 2013	\$3,333					\$33,867				
Jul 2013	\$3,654					\$37,521				
Aug 2013	\$9,926					\$47,447				
Sep 2013	\$4,149					\$51,596				
PTD	\$292,608	\$291,132	\$287,283	0.99	1.01					

ANALYTICAL LABORATORY

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

The Analytical Laboratory (LAB) will support WTP operations by analyzing feed, vitrified waste, and effluent streams. As of December 2012, the LAB is 67 percent complete overall, with engineering design 74 percent complete, procurement 85 percent complete, construction 79 percent complete, and startup and commissioning is 21 percent complete.

Significant Past Accomplishments:

- Awarded contract for repairs of RLD vessels 163, 164, and 165 to CBI
- Started to pull cable for the fire detection systems in the administrative area
- Design and modifications for seismic anchor movement are complete

Significant Planned Actions in the Next Six Months:

- Completion of the high purity gas system layup
- Pulling cable for the C2 ventilation (C2V) system adjustable speed drive (ASD) equipment
- Terminating cable for the HVAC air-handling units and ASDs
- Completion and closeout of the HVAC subcontract
- Complete repairs to RLD vessels

Issues:

No major issues at this time

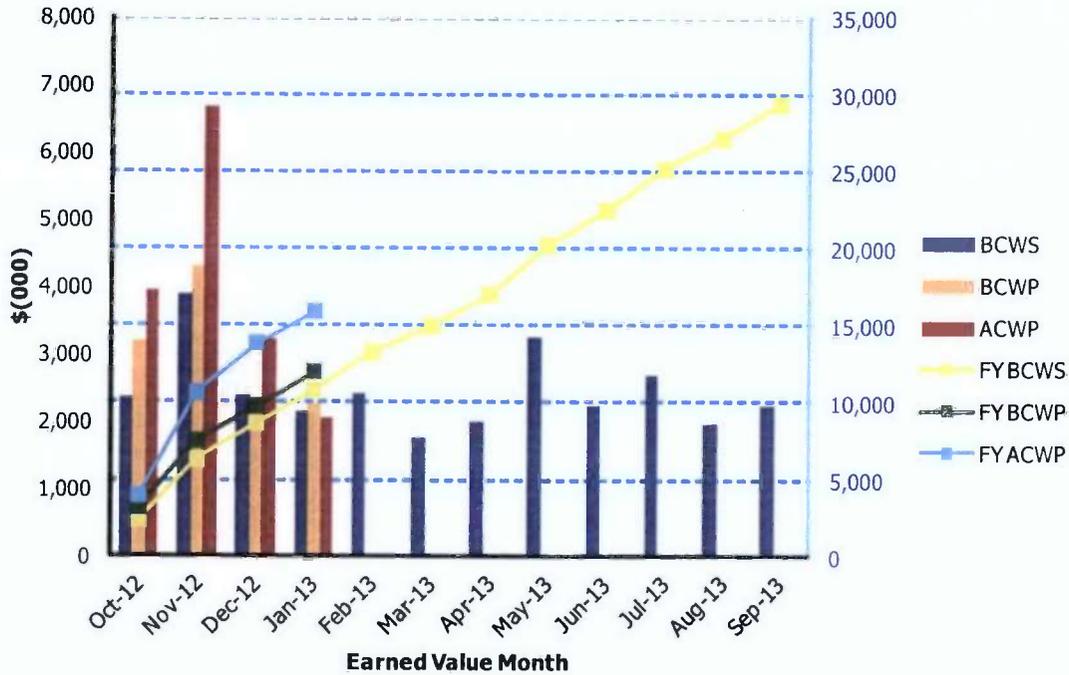
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2013 Earned Value Data

Data as of: January 2013

**River Protection Project
Analytical Laboratory**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2012	\$2,370	\$3,183	\$3,952	1.34	0.81	\$2,370	\$3,183	\$3,952	1.34	0.81
Nov 2012	\$3,896	\$4,303	\$6,675	1.10	0.64	\$6,266	\$7,486	\$10,627	1.19	0.70
Dec 2012	\$2,381	\$2,257	\$3,219	0.95	0.70	\$8,647	\$9,743	\$13,846	1.13	0.70
Jan 2013	\$2,137	\$2,270	\$2,052	1.06	1.11	\$10,784	\$12,013	\$15,898	1.11	0.76
Feb 2013	\$2,432					\$13,216				
Mar 2013	\$1,753					\$14,969				
Apr 2013	\$2,012					\$16,981				
May 2013	\$3,246					\$20,227				
Jun 2013	\$2,224					\$22,451				
Jul 2013	\$2,699					\$25,150				
Aug 2013	\$1,975					\$27,125				
Sep 2013	\$2,228					\$29,353				
PTD	\$216,711	\$219,083	\$239,254	1.01	0.92					

Waste Treatment Plant Project - (LBL) Percent Complete Status Through January 2013																
(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Plant Operations Unallocated Dollars			
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	
Facilities																
Low-Activity Waste	1,176.8	725.3	62%	294.2	224.0	76%	255.2	218.6	84%	445.7	274.8	62%	177.7	7.9	4%	
Analytical Lab	327.9	219.1	67%	69.9	51.5	74%	54.5	46.3	85%	134.7	106.6	79%	68.8	14.7	21%	
Balance of Facilities	542.2	291.1	54%	91.2	69.1	76%	71.3	48.2	68%	225.0	160.5	71%	154.7	13.4	9%	
Total LBL	2,046.9	1,235.5	60%	455.2	344.6	76%	385.0	313.0	81%	805.4	541.9	67%	401.3	36.0	9%	
							PT/HLW/SS Percent Complete Status Frozen as of September 2012 (due to project rebaselining efforts)									
High-Level Waste	1,478.6	922.1	62%	364.4	325.2	89%	433.9	349.4	81%	561.1	243.2	43%	119.2	4.4	4%	
Pretreatment	2,517.3	1,410.5	56%	761.7	645.8	85%	679.9	380.4	56%	890.0	378.6	43%	185.8	5.6	3%	
Shared Services	4,726.9	3,632.6	77%	1,047.0	977.9	93%	451.7	395.0	87%	1,436.5	1,143.0	80%	453.5	133.2	29%	
Total WTP w/o UB	n/a	n/a	67%	n/a	n/a	87%	n/a	n/a	73%	n/a	n/a	62%	n/a	n/a	15%	
Undistributed Budget	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Total WTP	n/a	n/a	67%	n/a	n/a	87%	n/a	n/a	73%	n/a	n/a	62%	n/a	n/a	15%	

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

Note: In September 2012, the LBL Replan was incorporated into the project OTB baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values. In October 2012, the PT/HLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PT/HLW/SS facility budgets, this was due to a work scope shift from the Distributed budget to UB. Percent Complete Values shown for PT, HLW and SS have been frozen with the September 2012 values due to the Interim Work Plan and budgets being moved into UB. UB value for the project for PT/HLW/SS is \$1,983M.

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

Milestone Title	Milestone Tie	Document	TPA Milestone Due Date (if applicable) ¹	ORP Delivery to Regulators Date ²	Anticipated Regulatory Review Completion Date ³	Final Completion Date ⁴	DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
Submit Interim Measures Investigation Work Plan and TPA Chg Pckgs for M-045-22 Target Dates	M-045-20	Interim measures investigation "other" work plan for to vadose zone characterization at 241-TX Farm and 241-U Farm, and soil desiccation/contaminant removal proof-of-principal test at 241-SX Farm	12/31/12	12/06/12	01/22/13	03/11/13	C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Created via Change Package M-45-12-04 on 06/21/12 Work Plan provided to ECY on 12/06/12 via ORP letter 12-TF-0054. ORP received ECY letter 12-NWP-190 to initiate field work and that comments would be received within 45 days. ORP received ECY comments on 01/22/13. Completed on 03/11/13 via ORP Letter 13-TF-0013.
Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation	M-045-21	Sampling and Analysis Plan for Soil Samples for 241-TX Tank Farm Investigation	03/31/13	03/11/13			D. Hildebrand	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Created via Change Package M-45-12-04 on 06/21/12 Submitted to ECY via ORP letter 13-TF-0013 on 03/11/13
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C	Supports M-045-61	WMA C PA Initial Model Run Data Package		TBD			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Feeds input for M-045-61 and all Closure Plans
		WMA C PA Initial Document		TBD			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Feeds input for M-045-61 and all Closure Plans
		WMA C Characterization Summary 2013		09/30/13			C. Kemp	S. Eberlein	J. Lyon	<ul style="list-style-type: none"> Feeds input for M-045-61 and all Closure Plans
	M-045-61	Phase 2 RFI/CMS Report for WMA C	12/31/14	12/31/14			C. Kemp	S. Eberlein	J. Lyon	
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA C.	M-045-62	Phase 2 Corrective Measures Implementation Work Plan for WMA C	06/30/15	06/30/15			C. Kemp	S. Eberlein	J. Lyon	
M-45-91 Interim Milestones and Target Dates for SST Integrity Implementing the Expert Panel's Recommendations	M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/13	Missed			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Moved to 01/31/13 per M-45-12-01 TPA Chg Pckg. Reported as To Be Missed in October 2012 TPA PMM Mtg, this and other To Be Missed milestones are incorporated into a TPA Chg Pckg which is being discussed by ORP and ECY.
	M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	05/31/13	05/31/13			J. Johnson	R. Gregory	J. Lyon	
	M-045-91F-T02	Provide Report of Liner Failures for SSTs	07/31/13	07/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	07/31/13	07/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	09/31/13	09/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Moved to 09/31/13 per M-45-12-01 TPA Chg Pckg.
	M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	09/30/13	09/30/13			J. Johnson	R. Gregory	J. Lyon	
	M-045-91G-T04	Provide AOR Final Doc. for SSTs on 55,000 Gallon Tanks	10/31/13	10/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/13	12/31/13			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/14	04/30/14			J. Johnson	R. Gregory	J. Lyon	<ul style="list-style-type: none"> Reported as To Be Missed in October 2012 TPA PMM Mtg

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

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

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

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

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

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

Milestone Title	Milestone Tie	Document	TPA Milestone Due Date (if applicable) ¹	ORP Delivery to Regulators Date ²	Anticipated Regulatory Review Completion Date ³	Final Completion Date ⁴	DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
M-45-91 Interim Milestones and Target Dates for SST Integrity (continued)	M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/14	09/30/14			J. Johnson	R. Gregory	J. Lyon	
	M-045-91H	Submit Change Pckg (if necessary) to est. Additional Milestones	07/31/15	07/31/15			J. Johnson	R. Gregory	J. Lyon	
	M-045-91I	Provide IQRPE Certification of SSTs Structural Integrity	09/30/18	09/30/18			J. Johnson	R. Gregory	J. Lyon	
Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier.	M-045-92O	Future Barrier Design 3	06/30/15	06/30/15			C. Kemp	S. Eberlein	J. Lyon	• ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/15 dependent on discussions per M-045-22.
	M-045-92P	Future Barrier Design 4	06/30/16	06/30/16			C. Kemp	S. Eberlein	J. Lyon	• ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/16 dependent on discussions per M-045-22.
Waste Supplemental Treatment Report	M-062-40ZZ	Submit One Time Tank Waste Supplemental Treatment Tech. Report	10/31/14	10/31/14			S. Pfaff	C. Burrows	D. McDonald	
Complete final design and submit RCRA Part B Permit Modification Request	M-062-31-T01	RCRA Part B Permit Modification--Final Design	04/30/16	04/30/16			S. Pfaff		D. McDonald	

Topic Areas	Document	ORP Delivery to Regulators Date ¹	Anticipated Regulatory Review Completion Date ²	Final Completion Date ³	DOE-ORP Lead	Contractor Lead	Regulator Lead	Comments/Issues
PERMIT DOCUMENTS	Tier 1 Framework Closure Plan Update	09/30/15			C. Kemp	S. Eberlein	J. Lyon	
	Tier 2 WMA C Closure Plan	06/30/13			C. Kemp	S. Eberlein	J. Lyon	
	All Remaining Closure Plans for WMA C	09/30/15			C. Kemp	S. Eberlein	J. Lyon	
	WMA C Closure Conceptual Design	TBD			C. Kemp	S. Eberlein	J. Lyon	
	Tier 3 Closure Plans for Tanks Already Received	TBD			C. Kemp	S. Eberlein	J. Lyon	• Due 180-day post EIS
	Tier 3 Closure Plans for Additional Tanks	09/30/15			C. Kemp	S. Eberlein	J. Lyon	• Several Dates in out years
	WMA C Closure Design	TBD			C. Kemp	S. Eberlein	J. Lyon	• Final dates not yet determined; provides basis for the Tier 2 Closure Plan
	Supplemental Treatment Technology Notice of Construction	TBD			L. Huffman	F. Miera	J. Lyon	
	Submit Part B Permit Application for Selected Supplemental Treatment Technology	TBD			L. Huffman	F. Miera	J. Lyon	
	Wiped Film Evaporator Notice of Construction	TBD			L. Huffman	F. Miera	J. Lyon	
	Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application	TBD			L. Huffman	F. Miera	J. Lyon	
	IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	TBD			T. Fletcher	F. Miera	J. Lyon	
MISCELLANEOUS DOCUMENTS	Submit Categorical TOC HIA	TBD				F. Miera	J. Lyon	
	Quarterly Hose-In-Hose Transfer Lines (HIHTL) Reports	Ongoing Quarterly			J. Johnson		J. Lyon	

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

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

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

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

ORP Project Managers Meeting
March 26, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Handout #1
(5 pages including this coversheet)

Handout #1 for March 26, 2013 ORP PMM

**Requests from Ecology received on March 19, 2013
and March 21, 2013 via E-mail**

Lynch, James J

From: Lyon, Jeffery (ECY) [JLYO461@ecy.wa.gov]
Sent: Tuesday, March 19, 2013 9:21 AM
To: Lynch, James J; Diediker, Janet A; Fletcher, Thomas W; Grindstaff, Joanne F; Higgins, Kathleen L; Johnson, Jeremy M; Kemp, Christopher J; Koll, Ronald J; Trenchard, Glyn D; Barnes, Michael (ECY); Hedges, Jane; Hendrickson, Michelle (Washington State Department of Ecology); McDonald, Dan (ECY); Price, John (ECY); Uziemblo, Nancy H; Wang, Oliver S; Whalen, Cheryl (Washington Department of Ecology)
Subject: RE: DRAFT March 2013 ORP TPA Monthly Summary Report and other deliverables
Follow Up Flag: Follow up
Flag Status: Flagged

I have three additions, I do not want meetings, I would appreciate a portion of this Summary report to reflect Ecology statements:

- I. Ecology requests that this report include a statement from Ecology that says :
 - (1) Ecology requests USDOE reporting of Evaporator planned DST waste volume reduction, for the runs or passes;
 - (2) Ecology requests an statement for FY14 that reflects the need for space to provide additional DST capacity for the waste removal from ~~AN-102~~; AY-102
 - (3) Ecology requests that USDOE define "passes", and "Evaporator Campaigns", and add a column that identifies planned waste reduction volume (with a definition).
 - You can identify these as issues, or USDOE can include the appropriate scheduled for inclusion of this information.

Both say august early and late, I am not sure what this means

FY13	13-01	AP-107	AP-107	Estimated start early August 2013. May require two (2) passes to achieve waste volume reduction.
FY13	13-02	AW-106	AW-106	Estimated start late August 2013.

]

FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
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- II. We would like to add an issues for DST Integrity, it used to be milestone series M-48.
 - Ecology has requested in a recent ~~AN-102~~ AY-102 IPT, and has not received, a letter from USDOE clarifying the basis and justification for a delayed waste removal from the Secondary containment and for waste removal from the primary tank of ~~AN-102~~ AY-102

- Ecology requests that USDOE update the DST integrity assessment (completed for Milestone M-48-14, with completion March 31, 2006), to reflect consideration of the tank failure of ~~AN-102~~, with IQRPE signature. A1-102
- We request that USDOE provide a schedule to remove waste from ~~AN-102~~ AY-102

III. For SST Integrity Assurance, please add:

- an issue that USDOE has announced that there are 6 SST with declining levels. Ecology would like to receive a response plan for this announcement from USDOE within 30 days
- a schedule for the revision of RPP-9937, including dates for: the submittal to Ecology for approval of an RPP-9937 revision, completion of the comment response, and issuance of the final document
- a schedule for intrusion evaluations for FY13 and FY14
- documentation of the results, an evaluation and a schedule for work to respond to the identified intrusions
- You can identify these as issues, or USDOE can include the appropriate scheduled for inclusion of this information.

Thanks

From: Lynch, James J [mailto:James_J_Lynch@orp.doe.gov]

Sent: Tuesday, March 19, 2013 8:19 AM

To: Diediker, Janet A; Fletcher, Thomas W; Grindstaff, Joanne F; Higgins, Kathleen L; Johnson, Jeremy M; Kemp, Christopher J; Koll, Ronald J; Noyes, Delmar L; Pfaff, Stephen H; Smith, Dabrisha M; Trenchard, Glyn D; Barnes, Michael (ECY); Becker, David (ECY); Biyani, Rabindra (ECY); Gao, Tracy (ECY); Hedges, Jane (ECY); Hendrickson, Michelle (ECY); Lyon, Jeffery (ECY); McDonald, Dan (ECY); Price, John (ECY); Uziemblo, Nancy (ECY); Wang, Oliver S. (ECY); Whalen, Cheryl (ECY); Mauss, Billie M; Young, Jason D; Abdul, Wahed

Subject: DRAFT March 2013 ORP TPA Monthly Summary Report and other deliverables

Importance: High

Hi All,

Attached is the Draft February 2013 ORP TPA Monthly Summary Report, Agreements/Issues/Action Items, and Key Documents List. Please provide any final comments by **COB Thursday, March 21, 2013**.

Final TPA and CD Monthly Summary Reports, Agreements/Issues/Actions Items, and Key Documents List will be provided at the March 2013 ORP TPA Project Managers' Monthly meeting set for Tuesday, March 26, 2013 in ORP Conference Room 1200 from 9:00-11:30AM.

Tank Farms is set to begin at 9:00AM and WTP will start at 10:00AM.

Best Regards,

James J. Lynch
 General Engineer
 DOE-ORP-TRS-ECD
 Work: 509-376-4170
 Mobile: 815-238-8251

Lynch, James J

From: Lyon, Jeffery (ECY) [JLYO461@ecy.wa.gov]
Sent: Thursday, March 21, 2013 2:03 PM
To: Kemp, Christopher J
Cc: Lynch, James J
Subject: FW: Follow on questions

Follow Up Flag: Follow up
Flag Status: Flagged

I will be asking this in the TPA PMM as well.

From: Lyon, Jeffery (ECY)
Sent: Thursday, March 21, 2013 2:02 PM
To: Diediker, Janet A
Cc: Fletcher, Thomas W; 'Kemp, Christopher J'; Trenchard, Glyn D
Subject: Follow on questions

Janet have you ask Tom why he is spending money on the "Alternate HLW & LAW Direct Feed" projects (not a TPA or CD requirement) when he is missing other TPA Milestones or concerned about CD work?

And since I didn't get to ask this before, can you ask Tom if there are any responses to the leaking tanks. From our perspective some action, such as active ventilation of the first leaker would be one good idea, at least as a helpful precautionary response to a leak.

As a different perspective, I am surprised that USDOE has not approached Ecology regarding your leaking tanks, even AY-102 seems to have lost its priority. It seems like it has been over a month since any meaningful activity has taken place.

Trust me I am aware of the financial state of our Federal Government, but we (Ecology and the State) really don't like leaking tanks, and I hope that USDOE will maintain a proactive posture towards these Hanford issues that are being watched nationally.

Thanks

ORP Project Managers Meeting
March 26, 2013
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment E: Handout #2
(4 pages including this coversheet)

Handout #2 for March 26, 2013 ORP PMM

Draft Meeting Minutes and Comments for the M-045-61 and M-045-62 Discussion between Ecology and ORP on March 14, 2013

Lynch, James J

From: Lyon, Jeffery (ECY) [JLYO461@ecy.wa.gov]
Sent: Thursday, March 21, 2013 5:17 PM
To: Kemp, Christopher J; Goswami, Dibakar; Jentzen, Brenda; Luke, Jeffrey J; Alzheimer, Jim (Washington Department of Ecology); Lynch, James J; Uziemblo, Nancy H; Rochette, Beth; Hildebrand, R D (Doug); Eberlein, Susan J
Subject: RE: DRAFT meeting notes from Thursday, March 14, 2013, 1:00 - 2:00pm

My comments on the e-mail text are:

1. We talked about M-045-82 WMA Closure Plan submittal and the notes don't reflect that.
2. For the text around this "...Parties further agree are key issues which require resolution to meet the intent of M-45-61: the issue of radionuclide contamination and remedial action requirements, alternative evaluation of soil contamination at WMA-C, and assumptions of a RCRA/HWMA landfill closure of WMA-C." I appreciate the changes you made, however I believe that we should have our notes reflect that Ecology has not commented on the agreement for completion, but made some suggestions during the meeting. Further discussions will need to clarify what USDOE feels is a concern for these topics and what if any revisions will need to be made to the agreement.
3. There is no indication what our next step is regarding any review or comments on the attachment. What does USDOE plan to do? I suggest that we take this document and discuss the content. If this is what we agreed to or if it is what USDOE wants to do, please include the next step or steps that USDOE believes are appropriate.

Thanks

From: Kemp, Christopher J [mailto:Christopher.J.Kemp@orp.doe.gov]
Sent: Tuesday, March 19, 2013 4:37 PM
To: Lyon, Jeffery (ECY); Goswami, Dib (ECY); Jentzen, Brenda (ECY); Luke, Jeffrey J; Alzheimer, James (ECY); Lynch, James J; Uziemblo, Nancy (ECY); Rochette, Beth (ECY); Hildebrand, R D (Doug); Eberlein, Susan J
Subject: DRAFT meeting notes from Thursday, March 14, 2013, 1:00 - 2:00pm

If folks could give me comments to these notes that would be helpful. If Friday okay?

Chris

Meeting Notes

Meeting at Ecology Building in Richland Washington on Thursday, March 14, 2013, 1:00pm – 2:00pm

Subject: Scope of risk assessment to be used in support of Phase 2, RCRA Facility/Corrective Measures Study Report (RFI/CMS) for Waste Management Area (WMA) C (HFFACO Milestone M-045-61) and the Phase 2 RFI/CMS Implementation Work Plan for WMA C (HFFACO Milestone M-045-62)

Attendees: Dib Goswami, Jeff Lyon, Brenda Jentzen, Jeff Luke, Jim Alzheimer, Jim Lynch, Nancy Uziemblo, Beth Rochette, Doug Hildebrand, Susan Eberlein

At this meeting ORP presented a potential draft HFFACO Agreement that would allow the continuation of the M-45-61 and M-45-62 corrective measures work since ORP is not funding the continuation of the WMA-C PA in fiscal year 2013. In fiscal year 2014, WRPS will present a budget baseline request to restart the WMA-C PA but it is unclear when this PA workscope will restart.

ORP had previously presented a draft Agreement and Ecology had some comments specifically that are included in redline/strikeout (see attached) that related to three bullets at the end that discuss topics that the Parties further agree are key issues which require resolution to meet the intent of M-45-61: the issue of radionuclide contamination and remedial action requirements, alternative evaluation of soil contamination at WMA-C, and assumptions of a RCRA/HWMA landfill closure of WMA-C.

ORP addressed an ECY concern about this draft that it was not intended to replace the Ecology Site Groundwater and Vadose Zone Project (see attached to these notes).

ECY stated that its attorney general had not agreed to remedial actions under CERCLA and that any remedial actions should first reference the HFFACO process, of which ORP agrees.

ORP agreed to draft rewrite of the bullets plus add in a fourth and fifth bullet to address Groundwater Decisions and Deep Vadose Zone (see attached).

A follow on meeting is not scheduled until Susan Eberlein returns from vacation.

The meeting concluded at 2:00pm.

Signed

Chris Kemp, ORP
Lyon, ECY

Jeff