

ORP Project Managers Meeting
July 24, 2012
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

1217377

Distribution:

| | | |
|-------------------|---------|-------|
| W. Abdul | 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 |
| R. W. Russell | ORP | H6-60 |
| S. C. Stubblebine | ORP | H6-60 |
| G. D. Trenchard | ORP | H6-60 |
| J. S. Trent | 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 |

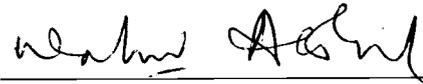
ADMINISTRATIVE RECORD – Heather Childers: H6-08

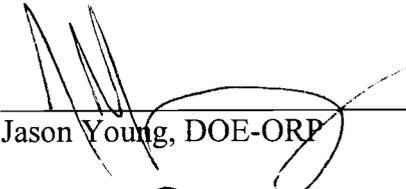
Please send comments on distribution list to Woody Russell (Woody_Russell@orp.doe.gov).

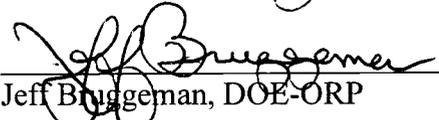
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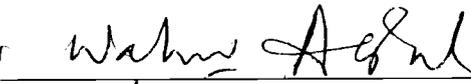
The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.

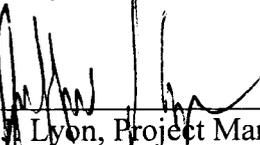
for 
Chris Kemp, DOE-ORP Date: 9/25/2012

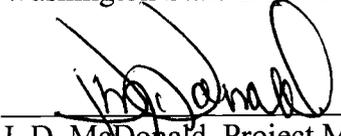

Wahed Abdul, DOE-ORP Date: 9/25/12.


Jason Young, DOE-ORP Date: 9/25/12


Jeff Bruggeman, DOE-ORP Date: 9/27/12

for 
Gary Olsen, DOE-ORP Date: 9/25/12


J. Lyon, Project Manager,
Washington State Department of Ecology Date: 9/25/12


J. D. McDonald, Project Manager,
Washington State Department of Ecology Date: 9-25-12

Purpose: ORP Project Managers Meeting

*see page 1 of meeting minutes
see page 2 of TPA monthly Summary Report*

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1.0 Administrative Items

Recent Items Entered/To Be Entered into the TPA Administrative Record

(See list on today's agenda)

2.0 Review of the ORP Project Summary

Tank Farms

Tri-Party Agreement and Consent Decree (TPA and CD) Milestone Status - ORP reported that milestone M-047-06 was missed, and Ecology sent a notice of violation and stipulated penalty, which ORP is responding to. ORP stated that milestone M-090-11 is to be missed, and Ecology has been provided notification. ORP noted that the remaining milestones for FY12 and FY13 are ongoing or completed.

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

M-045-20 - ORP reported that a new series of M-045-20 milestones was established per TPA change package M-45-12-04. The original M-045-22 milestone was established to build interim barriers at SX farm, and that work has been deferred with the M-045-20 milestone series. The M-045-22 milestones establish vadose zone sampling at TX and U farm, and a contaminant capture demonstration at SX farm. ORP noted that the M-045-20 milestone requires a work plan to be submitted to Ecology by December 31, 2012 for the work set out under the M-22 milestones. *M-045-22 /h*

M-045-60 - ORP reported that Ecology's letter 12-NWP-071 was received in early May 2012 approving revisions to the work plan and sampling and analysis plan (SAP) for Waste Management Area C. The approved revised work plan and SAP have been submitted to the Administrative Record (AR). ORP is revising a draft response letter to Ecology since the work plan and SAP have been issued. ORP indicated that the above actions demonstrate that this milestone is closed.

TPA-SST Retrieval and Closure Program:

M-045-101 - ORP requested closure of this milestone, noting that ORP and Ecology have identified a path forward for resolving the remaining comments.

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M-045-80 - ORP stated that this milestone is closed with the submittal of the last of the four documents associated with this milestone.

M-045-81 - ORP stated this milestone is closed with Ecology's approval of RPP-PLAN-46484, Revision 3.

Tank in Appendix H. Status (tank 241-C-106) - Ecology asked about the status of the C farm Performance Assessment (PA). ORP responded that DOE-RL and Ecology discussed funding limitations, and the PA is not planned to be funded in FY13.

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

C-Farm Critical Path - ORP noted there was a one-day slip from last month on retrieval installation at C-101. Field work continues on C-101 with the removal of the legacy equipment and installation of retrieval equipment. There were no slips to C-102 from last month, and work continues on equipment removal. C-104 caustic dissolution continues, and it will continue to be sampled and circulated. ORP noted that a fourth sample of the caustic metathesis will be taken this week from C-104. There was a seven-day slip in C-105 due to design modifications to the Mobil Arm Retrieval System (MARS) educator. Retrieval in C-107 is currently at 80 percent and is scheduled to be completed next month. A little over 200,000 gallons has been retrieved from C-107. Maintenance on the arm of the MARS in C-107 was completed, and retrieval will start back up tomorrow. C-108 had a 13-day slip on sampling due to sporadic thunderstorms, and the sample has been taken in C-108.

The work in C-109 slipped due to the pump failure. The pump has been replaced and work is expected to continue. ORP noted that recirculation of the 55,000 gallon water wash in C-109 was started, and a sample will be taken today. The supernate will be pumped from C-109 to AN-106, and an analysis will be done. There was a seven-day slip to the C-110 FoldTrak design modifications. The FoldTrak is ready to go out for modifications to be returned to the tank. There were no changes from last month in C-111 and C-112. There were several slips from last month in C farm infrastructure due to higher priority work in the field, such as the C-109 pump replacement. Work continues on AN-101 and AN-106.

ORP provided Ecology the monthly statuses on the process control plans and the waste compatibility assessments during today's meeting, satisfying an action for ORP. ORP noted that

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the Ramen report for C-111 was provided to Ecology (RPP-RPT-52839). ORP also provided Ecology a draft schedule for retrieval during the remaining two-year CD period. ORP noted that it is not a critical path schedule, but will be useful as a planning tool.

CD-SST Retrieval and Closure:

Significant Past Accomplishments - ORP reported that removal of the legacy equipment in C-101 has been completed. The thermocouple and thermowell were removed from C-102. The saltwell pump and screen will be removed from C-102 this week, and then the retrieval equipment will be installed.

Significant Planned Activities in the Next Six Months - ORP stated that C-101 and C-102 will undergo the second generation of the enhanced reached sluicers, with modified sluicing as the first retrieval technology and high pressure water as the second retrieval technology. ORP provided a status on the C-105 dome cut. A draft report was submitted by the one-system team from WRPS and Bechtel, and olivine was proposed as the abrasive for the dome cutting. ORP has responded with comments, and the one-system team will provide a response on August 9, 2012. On August 20, 2012, representatives from ORP, tank farms and the waste treatment plant (WTP) will meet to discuss the path forward to cutting the dome, which will then allow the MARS vacuum inside the tank.

CD-Tank Waste Retrieval Work Plan (TWRWP) Status - ORP noted that revisions to the C-101 and C-102 TWRWPs are needed, and a meeting will be held with Ecology to discuss the first and second retrieval deployments of the enhanced reach sluicing system (ERSS). ORP stated that WRPS has indicated that two enhanced reach sluicers will be installed in C-111 as the second technology.

242-A Evaporator Status - ORP reported that the estimated start date for the first evaporator campaign is still on schedule for May 2013, and the second campaign starting in July 2013. There are two jumpers that need to be replaced before the campaigns are started. The local jumper fabricator shop is closing, and there are three entities under consideration for the jumper fabrication. An agreement will need to be placed with the local HAMTC trades to act as an oversight to the fab shop that is selected. The agreement with HAMTC is expected within a month, and at that point the fabrication of the jumpers can begin. The jumpers are not currently

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on the critical path schedule, but ORP is monitoring the situation closely. The evaporator team is currently in the process of reviewing the operational readiness of the evaporator.

M-045-91, SST Integrity Assurance:

ORP stated that the milestones are currently on schedule. Planning for FY13 is under way, and when the final schedules are available, any impacts to target dates and milestones will be determined. ORP indicated that no major impacts are anticipated.

In Tank Characterization and Summary - Ecology stated that the final report for the 204-AR catch tank was received, and the results were more or less water, as anticipated.

Tank Operations Contract (TOC) Overview - ORP reported that as of June 30, 2012, the TOC team worked 4.3 million hours without a lost time workday injury. For the area of retrievals and closure, ORP noted that the slurry pump assembly for C-102 was received in June 2012. ORP stated that via weekly meetings, WRPS continues to do a good job identifying the high priority work and key resources needed. ORP noted that WRPS's No. 1 priority is C farm, with tank farm projects closely following as the No. 2 priority.

The unfavorable schedule variance for waste feed delivery (WFD) was due in part to the delay with the AY-102 mixing demonstration design. An advance work authorization (AWA) has been implemented, allowing the contractor to initiate the work without a formal baseline change request in the system. ORP reported that there were delays in preparing to initiate the testing for the small-scale mixing demonstration platform and the remote sampler demo platform. The test simulant has been received and testing is now in progress.

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

ORP noted that the status of milestones M-090-11 and M-047-06 was provided during the tank farms portion of today's meeting.

Significant Past Accomplishments - ORP reported that WRPS submitted the critical decision 1 (CD-1) package for the Interim Hanford Storage Facility at the end of June 2012. ORP stated that it has recommended suspending the Interim Hanford Storage and Secondary Liquid Waste Treatment projects for one year, with plans to start up in FY14. ORP noted that the delay is funding-driven, and Ecology has been notified of the recommendation.

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

ORP provided an update on milestone M-062-4ZZ. A schedule has been generated for the development of the Tank Waste Supplemental Treatment Technology report, and meetings have been held with the contractor team. ORP will be scheduling a meeting with Ecology in the near future to brief them on the schedule so that ORP and Ecology can work together through the process of developing the report.

System Plan - ORP reported that there are no current updates to the system plan, and all the milestones are on schedule.

Waste Treatment Plant

ORP noted a correction to page ten of today's CD report. The shared services graph was used instead of the total project scope graph, and the correction will be made before sending out the CD report. ORP stated that the semi-annual report documenting the progress for the previous six-month period is in concurrence and will be submitted to Ecology and the Oregon Department of Energy (ODOE) by July 31, 2012 (milestone D-00C-01E). ORP stated that the milestones for LAB substantially complete, steam plant construction complete, and the 37-foot structural steel complete by December 31, 2012 are ahead of schedule (milestones D-00A-05, D-00A-12 & D-00A-21). ORP added that there is sufficient float to the schedule, and that no challenges are anticipated in meeting those three milestones. ORP noted that the approximately 2,500 full-time equivalents (FTEs) are about 1,000 less FTEs than a year ago, due to the drop in funding from 840 million dollars in the planning basis to the receipt of 740 million for FY12. The total craft on site are also about 1,000 to 1,200 less than a year ago.

ORP stated that the WTP priorities are continuing to move forward with the technical issue resolutions, including the vessel mixing issue, the Defense Nuclear Facilities Safety Board recommendations, Low Activity Waste (LAW), Balance of Facilities (BOF), Analytical Lab (LAB), and then High Level Waste (HLW) and Pretreatment (PT). ORP has directed the contractor to provide an updated baseline for LAW, BOF and LAB consistent with the current schedule, and then follow up with HLW and PT at a later date. ORP stated that the near-term CD milestones are on track, but the longer term milestones, especially for PT and HLW, are at risk. The degree of risk will not be known until the rebaselining activity is completed.

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ORP reported that RLD vessel 8 (RLD-8) still has not been accepted by Bechtel, and continues to sit in the vendor's local shop until the repair work is completed. ORP stated that the top head of RLD-7 was fabricated in England, and due to issues with the vendor, the scope was pulled and the head was shipped to another vendor in the United States to complete the rest of the vessel. Issues have been identified with the current vendor, and Bechtel is in the process of tracing the requirements for the vessel and the scope of the issues. ORP noted that the fundamental question is relative to the welding and the heat effects to the welded zone and whether that would cause a problem with corrosion resistance. The issue with the vessels has raised a concern regarding the procurement, inspection, and documentation process, which will need to be evaluated. ORP added that second barrier checks have been implemented to assist with moving forward. ORP noted that there are no near-term impacts in terms of placing the vessels.

ODOE inquired about the status of the issue with the radial HEPA filters. ORP responded that Bechtel is in the process of evaluating the issue and working with the vendor to design and test new filters. ORP noted that the filters had not yet been procured. The issue with the filters was due to a failure of the design with combined loading, temperature, humidity and pressure.

Pretreatment (PT) Facility

ORP stated that the key work in PT is associated with the technical issue resolutions for the vessel mixing and the process vessel vent (PVV) for the entrainment system. The initial sample result for the larger scale test of the entrainment coefficient was burned in the lab during analysis. The sample was redone and sent to the lab. The results are expected soon, and a draft report will be completed sometime in August 2012. Bechtel is in the process of issuing the report for the small scale testing. ORP stated that additional work is needed for the PVV system redesign, and that the hazards and accidents analysis needs to be evaluated. ORP noted that the original design was a passive system, but it was changed to an active system when the safety basis was changed to an active system.

The major effort with resolution of the vessel mixing is focused on the computational fluid dynamics (CFD) verification and validation (V&V) testing, which is one of the methods that will be used for all of the Newtonian vessels. Bechtel has started the informational testing at the eight-foot platform in preparation for the CFD V&V. The NQA-1 testing will not start until all of the planning documents for the testing are accepted by ORP. Meetings are planned in August 2012 with ORP, Bechtel and the technical consultant to go through comments resolution on the

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planning documents for the NQA-1 testing. ORP estimated that the NQA-1 testing at the eight-foot platform would start in October 2012 at the earliest.

ORP provided an update on the DNFSB 2010-2 implementation plan. ORP stated that 2010-2 had an assumption that Newtonian would bound non-Newtonian, and since the testing proved the assumption was incorrect, ORP is in the process of rewriting the implementation plan with the DNFSB. The rewrite is expected to be in place by the end of December 2012, and ORP will continue trying to get the scope of the testing finalized before the implementation plan is in place.

ORP reported on the technical issue of the hydrogen in ancillary vessels and equipment (HPAV). Resolution of the issue has been ongoing, and the independent review team has generally accepted the method proposed, which Bechtel is implementing. ORP is conducting an assessment of the quantitative risk analysis (QRA) for all of the piping systems. The QRA determines the hydrogen generation rate for the various chemicals and the stress level that it can create on the pipes. ORP stated that based on the QRA assessment so far, it is believed that the thickness of some pipes may need to be increased, or additional controls may need to be added to mitigate a worst case scenario of a gas bubble igniting. ORP stated that the design area side of the QRA uses a probabilistic method involving several different ways to determine the probability of the worst case scenario for design input. ORP noted the safety side only accepts a deterministic method, which considers that a pipe will have an explosion and what controls are needed for mitigation. When ORP accepts that all of the inputs are correct in the QRA, its evaluation will be provided to the DNFSB for review. Ecology asked how the safety concerns are planned with engineering. ORP responded that the QRA will write a code-compliant stress analysis to design to. ORP added that the accident scenario would be the same as any deterministic nuclear safety licensing scenario by assuming the event occurs, the unmitigated consequences are determined, and then the safety systems are built to mitigate or preclude the event. Ecology asked if the design changes could be made after a system is installed. ORP stated that if the piping is already installed, it would have to be changed. ORP noted that a very small amount of piping has been installed. If the piping is not installed, the thickness of the pipe can be changed by purchasing new material. ORP added that the purpose of the QRA is to write a code that can be used for design analysis since there is no ASME code available for the stress analysis and resulting hydrogen explosion.

ORP stated that resolution of the erosion/corrosion technical issue continues. Rev. 1 of the erosion/corrosion action plan is expected to be released in August 2012. ORP noted that Rev. 0 was issued in April 2012, and the DNFSB and ORP provided comments, which are being

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incorporated into Rev. 1. An expert team will be on site next week to review the erosion/corrosion action plan and provide input. Bechtel's expert team reviewed the erosion/corrosion action plan, and the team indicated that additional testing needs to be done to resolve the issue.

High Level Waste

ORP stated that a tentative date for a walk-down with Ecology of the 37-foot structural steel is scheduled for August 8, 2012. ORP noted discussion was already held regarding RLD-8, and that a corrective action plan for RLD-8 is expected by the end of the month from the contractor. ODOE asked why there was a Dangerous Waste Permit change notification associated with installation of the rinse bogie. ORP responded that the change notice was for the corrosion evaluation for the decontamination vessel. ORP noted that the corrosion evaluation was not impacted by the open erosion/corrosion issue with the vessels.

Low Activity Waste Facility (LAW)

ORP provided an update on a previous inquiry regarding the procurement issue with the thermal catalytic oxidizer (TCO). There was a concern at one point that a new contractor would be needed to fabricate the TCO. Bechtel National sent a cure letter to the TCO contractor, and the issues have been resolved with the contractor. There were schedule difficulties between the TCO contractor and its sub supplier, and those schedule issues have been resolved. Bechtel and the TCO contractor have assigned personnel to interface regularly with the sub supplier, and the TCO contractor will take on some of the fabrication to help alleviate some of the schedule difficulties.

Ecology inquired about an observation of conduit in the LAW pad that contained water. ORP stated that from a compliance perspective it was determined that the procedures and processes were followed; however, ORP will follow up on Ecology's inquiry and provide a response from the LAW federal project manager (FPM) from the requirements perspective.

Balance of Facilities (BOF)

ORP stated that the current focus in BOF is on switchgear buildings 87 and 91, which are the first facilities to transition from the construction phase to a component-level testing phase. The overall focus is to start lining up the various facilities for turnover in the next year. ORP stated that a year before a facility is to be turned over, a level 5 schedule review is initiated, which takes

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a higher level look at the schedule for turnover. ORP reported that the milestone for the steam plant construction complete is tracking on schedule to meet the December 31, 2012 due date.

ORP noted that the definition of startup for the WTP project differs from the usual construction startup, and the definition is still being worked with Bechtel. The construction organization will turn over to the startup organization, which will begin the component-level testing. The purpose of component-level testing is to ensure all the components are working correctly in an effort to prepare the system to undergo integrated system testing, which occurs during the commissioning phase. Ecology asked who would be responsible for document control changes when a facility is transitioned from construction. ORP stated that responsibility for document control changes would be within the startup organization, and there would be a continuing support and interface from the construction field engineers. ORP added that the key is to ensure there is one entity in control; i.e., the construction group, the startup group or the commissioning group. That entity would be responsible for authorizing work, document control, change control and engineering.

Analytical Laboratory (LAB)

ORP stated that the LAB substantially complete milestone due December 31, 2012 is the current focus in LAB. The recent issue with 275 valves (see issues) has become the new critical path for LAB substantially complete, bumping Bechtel's target date by about a month-and-a-half to September 27, 2012.

Issues - ORP reported that 65 of the 275 valves will be disassembled and examined for potential damage caused by welding thermal impacts to the valve internals. Extra parts are being ordered for the valves in the event they need to be replaced. Ecology asked about the next step if damage is found during examination. ORP responded that it would depend on the results regarding what the next step would be. ORP noted that the valves are half-inch and three-quarter-inch, and the parts should be easily replaceable. ORP added that there will be spare parts available for replacement after the examination is done all the way through to component-level testing before the valves are put into operation.

3.0 Agreements, Issues, Actions

Agreement No. 1 - ORP and Ecology agreed to meet tomorrow (7/25/12) to reach final resolution regarding the component ID and closure strategy associated with M-045-101.

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Action No. 2 - ORP will confirm that this action was completed.

The remaining agreements, issues and actions remain open.

4.0 Key Documents List

A revised key documents list was provided to Ecology today.

5.0 Upcoming Meetings

- The dry run for the August ORP TPA quarterly meeting is scheduled for August 14, 2012. There was a brief discussion about continuing to hold the dry run meetings since the current CD report is not available to brief Ecology until the quarterly TPA meeting, due to an ORP legal decision. ORP stated that the FPMs use the CD report from the previous month and provide new information and updates to Ecology. Ecology will discuss internally whether to continue with the dry runs. ORP indicated it is willing to continue with the dry runs at Ecology's request.
- The August ORP TPA quarterly meeting is scheduled for August 16, 2012.

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Attachment A: Agreements, Issues and Actions

(3 pages including this cover sheet)

ORP/Ecology TPA and CD Agreements, Issues, and Actions July 2012

Agreements:

1. Meetings for resolution of comments for M-45-101(Component ID and Closure Strategy) are on-going. ORP and ECY aim to reach final resolution in July.
2. ORP will continue to meet with ECY to discuss funding and work priorities.
3. 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).
4. 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.

Actions:

1. ECY will begin comment review process for the change notice for M-045-92B specific to monitoring plan, scope, and schedule for TY Barrier on 04/01/12. Actionee: Michelle Hendrickson. **Open.**
2. ORP will brief ECY on soil sample analysis from direct push for the C-101 and C-104, including discussion of vadose zone data for the C-101 TWRWP, post May 2012. Actionee: Chris Kemp/Susan Eberlein. **Open.**
3. ECY will provide approval or other action on the M-045-58 workplan. Actionee: Jeff Lyon. **Open.**
4. ORP is working on an ECY request to improve future IQRPE reports for DST, SST, and 242-A Evaporator retrieval/transfer projects. Actionee: Chris Kemp/Jeremy Johnson/Michelle Hendrickson. **Open.** A meeting to review the IQRPE's disposition of ECY's comments was held on 05/24/12. ORP transmitted letter 12-TF-0025 with several revised reports.
5. ORP will provide information to ECY (Lyon) on Mixer Pump work for Waste Feed Delivery. Actionee: Glyn Trenchard. **Open.**
6. ORP and WRPS will develop and provide to ECY a C-108 Lessons Learned for use in future caustic dissolution activities. Actionees: Chris Kemp/Jeff Luke/Susan Eberlein. **Open.**
7. Per 12-NWP-071, ECY anticipates the following actions are necessary to support the completion of the RCRA RFI/CMS Study work:
 - a. ORP will release the revisions of RPP-39114 and RPP-38777 as approved.
 - b. ORP will complete work identified in the work plan.
 - c. ORP will provide the date for submittal and completion of:
 - i. The validation, documentation, and evaluation of the analytical data from FY2010 and FY2011

**ORP/Ecology TPA and CD Agreements, Issues, and Actions
July 2012**

ii. The following reports:

1. Tc-99 laboratory interferences
2. Evaluation of the organic detects in WMA C groundwater wells
3. Latest trending of groundwater contaminants at WMA C groundwater wells
4. Evaluation of the Quality Assurance/Quality Control and holding time issues associated with the 222-S shutdown in summer of 2011

d. ORP will submit the revised Hanford C-Farm Leak Assessment Report (RPP-ENV-33418)

Actionee: Chris Kemp. **Open.**

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Attachment B: List of Attendees

(3 pages including this coversheet)

Sign In Sheet
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July 24, 2012

| NAME | ORG | MSIN | PHONE |
|--------------------|-----------------|------|----------|
| Janet Diediker | ORP | | 372-3043 |
| Ron Kow | ORP | | 376-4131 |
| Courtney Perez | ORP | | |
| Jocelyn Grindstaff | ORP | | |
| Mike Barnes | Ecology | | 372-7927 |
| Nancy Ugrenblo | Ecology | | 372-7928 |
| Jeff Luke | WRPS | | |
| DaBrisha Smith | ORP | | 376-4306 |
| Carol Slack | WRPS | | 373-7241 |
| Steve Killay | WRPS | | 205-8269 |
| Steve Pfaff | ORP | | 376-2188 |
| Stewey Simon | ODOE | | |
| Chris Kemp | ORP | | 373-0649 |
| Jon Grindstaff | ORP | | 376-6202 |
| Jeff Lyon | Ecology | | 539-1996 |
| Kathy Knapp | Knapp Reporting | | 946-5535 |
| Ben Harp | ORP | | 376-1462 |
| Jason Young | ORP | | 376-3375 |
| Bryan Trimmerger | ORP | | 376-2674 |
| Delmar Noyes | DOE-WTP | | 376-5166 |
| | | | |
| | | | |

Sign In Sheet
ORP TPA PMM Meeting
July 24, 2012

| NAME | ORG | MSIN | PHONE |
|------------------|---------|------|----------|
| ROB PIERPO | MSA | | 373-3235 |
| Jeremy Johnson | ORP | | 376-1866 |
| Kathy Higgins | ORP | | 376-3658 |
| KATE WOODY | ORP | | 376-4099 |
| Sydney Nachbaur | ORP | | |
| Chris Harrington | ORP | | 376-1239 |
| CLYN TRENCHARD | ORP | | 373 4016 |
| MIMIE CONNALLY | WAPS | | 373-3981 |
| Ellen Mattlin | DOE-ORP | | 376-1900 |
| JAMES LYNCH | DOE-ORP | | 376-4170 |
| Arlewe Tortoso | Ecology | | 372-7956 |
| Nitya Chandran | ECOLOGU | | 372-7931 |
| Greg Gawk | ECOLOGU | | 372-2722 |
| Annette Carlson | Ecology | | 372-7897 |
| Robbie Biyani | " | | 372-7884 |
| Wahed Abdul | DOE | | 438-0455 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

ORP Project Managers Meeting
July 24, 2012
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment C: Presentation Materials

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

And

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

And

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

(53 pages including this coversheet)

FINAL

Office of River Protection

Tri-Party Agreement

Monthly Summary Report

July 2012



Office of River Protection
Tri-Party Agreement Milestone Review
July 2012

| Page | Topic | Leads |
|-------------|--|---|
| 1 | Administrative Items / Milestone Status | James Lynch / Dan McDonald / Jeff Lyon |
| 2 | Single-Shell Tank Corrective Action; M-45, -50, -60 | Chris Kemp / Jeff Lyon |
| 4 | Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tank Retrievals with Individual Milestones | Chris Kemp / Jeff Lyon |
| 8 | C-Farm Critical Path | Kathy Higgins / Jeff Lyon |
| 11 | 242-A Evaporator Status | Ron Koll / Jeff Lyon |
| 12 | SST Integrity Assurance; M-45-91 | Jeremy Johnson/ Michelle Hendrickson |
| 14 | In Tank Characterization and Summary | Jeremy Johnson / Michael Barnes |
| 15 | Tank Operations Contract (TOC) Overview | Janet Diediker / Jeff Lyon |
| 21 | Acquisition of New Facilities; M-90-00; M-47-00 | Janet Diediker / Jeff Lyon / Dan McDonald |
| 22 | Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45 | Steve Pfaff / Jeff Lyon / Dan McDonald |
| 23 | System Plan; M-62-40 | Dabrisha Smith / Jeff Lyon / Dan McDonald |
| 24 | WTP Overall TPA Summary and Milestone Status; M-62-01 | Delmar Noyes / Dan McDonald |

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|---|------------|-----------------|--------------|
| Fiscal Year 2012 | | | | |
| M-062-40B | Submit System Plan | 10/31/2011 | 10/21/2011 | Completed |
| M-062-49 | Sub. Report to ECY Demonstrating WTP Design Meets Vit. Criteria | 10/31/2011 | 10/27/2011 | Completed |
| M-045-91B | DOE Submit a Sampling and Analysis Plan to Ecology | 12/30/2011 | 9/20/2011 | Completed |
| M-045-92F | Meet Yearly on Performance of Barrier | 12/31/2011 | 11/30/2011 | Completed |
| M-045-91G-T02 | Provide AOR Final Doc. for SSTs on 750,000 Gallon Tanks | 1/31/2012 | 11/18/2011 | Completed |
| M-062-01X | Submit Semi-Annual Project Compliance Report | 1/31/2012 | 1/27/2012 | Completed |
| M-045-91D | Submit Analytical Test Plan for Cores Removed from C-107 Plug | 3/31/2012 | 6/27/2011 | Completed |
| M-045-91G-T06 | Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05 | 3/31/2012 | 03/12/2012 | Completed |
| M-045-92M | Barrier 2 Design/Monitoring Submittal to Ecology | 6/30/2012 | 5/19/2011 | Completed |
| M-047-06 | Comp. Neg's of No More Than 2 Interim Milestones | 6/30/2012 | Missed | Missed |
| M-062-01Y | Submit Semi-Annual Project Compliance Report | 7/31/2012 | | On Schedule |
| M-045-56H | Meet Yearly to Discuss Interim Measures | 7/31/2012 | 6/21/2012 | Completed |
| 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 | | On Schedule |
| M-090-11 | Comp. Neg's No More Than 2 Canister Storage Fac. Const. Int. M/S | 12/31/2012 | | To Be Missed |
| M-062-01Z | Submit Semi-Annual Project Compliance Report | 1/31/2013 | | On Schedule |
| M-045-91F-T01 | Provide Report of the Liquid Leak Rate Assessments | 1/31/2013 | | On Schedule |
| M-045-21 | Submit Sampling and Analysis Plan for 241-TX Tank Farm | 3/31/2013 | | On Schedule |
| 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 | 05/02/2012 | Completed |
| M-045-91F-T02 | Provide Report of Liner Failures for SSTs | 7/31/2013 | | On Schedule |
| M-045-91F-T04 | Provide Report on 100-Series SSTs as having Leaked in RPP-32681 | 7/31/2013 | | On Schedule |
| 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 | | On Schedule |

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: On Schedule. 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.

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: 03/31/2013, Status: On Schedule. Further description of this SAP will be provided in the Work Plan submitted under M-045-20. Added per TPA change package M-45-12-04.

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. Added per TPA change package M-45-12-04.

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. Added per TPA change package M-45-12-04.

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. Added per TPA change package M-45-12-04.

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.

M-045-56H, Complete Implementation of Agreed to Interim Measures (Meet Yearly to Discuss Interim Measures), Due: 07/31/2012, Status: Completed 06/21/2012. The annual M-045-56 meeting was held June 21, 2012. Draft meeting minutes have prepared and are undergoing review.

M-045-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan, Due: 12/31/2008 Status: Complete. The outstanding issues involved integration of RCRA and CERCLA requirements, and the definition of a schedule for future RFI/CMS Work Plan development and implementation. With the development of the RCRA/CERCLA Integration White Paper (under M-045-80), ~~it is now~~ ^{DOZ} understood that the path to soil corrective measures implementation involves a modification to the RCRA Permit for SST Closure, and a ROD to address the CERCLA requirements. In addition, modifications to milestone M-045-84 and M-045-85 have now been made to explicitly define the requirements for schedule development for future RFI/CMS Work Plans, RFI/CMSs

*believe
9-25-12*

*DOZ
9-25-12*

and Corrective Measures Implementation Plans. Thus all outstanding issues for the M-045-58 deliverable have been addressed, and this milestone may be considered closed. Ecology is preparing a letter on this milestone. After this deliverable is closed via Ecology's letter, future updates will be tracked on the ORP Key Documents List.

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-045-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C, Due: 12/31/2008, Status: Complete. Continue field sampling with decommissioning of angle push under C203 underway. ORP and Ecology met for review of sampling results and draft work plan modifications and sampling optimization strategy on 09/22/2011. September meeting minutes, which document efforts, were signed 11/09/2011 by parties and were subsequently entered into the administrative record. A draft Work Plan/SAP Modification and TPA Change Notice was formally submitted to Ecology on 01/05/2012 with a requested response by 02/10/2012. Ecology provided response letter 12-NWP-071 on 05/08/2012, approving proposed changes in both the Work Plan/SAP documents. The updated documents have been released. Future updates will be tracked on the ORP Key Documents List.

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: On Schedule

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Report for WMA C, Due: 06/30/2015, Status: On Schedule

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:

- Finalized approval of TPA Change Package M-45-12-04 on 06/21/2012; this revised the M-045-92 milestone to defer construction of proposed interim barriers in lieu of initiating vadose zone sampling and treatment testing (see Ecology approval letter 12-NWP-098).

- Automated data collection system for T-Farm interim barrier monitoring continues gathering data.
- Automated data collection system for TY Interim Barrier monitoring continues gathering data.
- Completed laboratory analysis of direct push soil samples previously obtained in C farm
- Finalized updates to WMA C RFI/CMS work plan and SAP based on Ecology's approval of the TPA change notice.
- Held the annual meeting for M-045-56.

Significant Planned Actions in the Next Six Months:

- Perform planning for Fiscal Year 2013 Interim Measures activities.
- Publish results of evaluation of barrier monitoring data, and recommend changes to future monitoring plan for TY barrier.
- Perform verification and validation of the laboratory analysis of direct push soil samples previously obtained in C farm.

Issues:

Initial planning for FY2013 shows that continued constraints may affect out-year milestones, including M-45-61, 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.

SST Retrieval and Closure Program

M-045-101, Submit to Ecology as a primary document a report on all catch tanks and associated pipelines in the SST System Part A, Due: 12/27/2010, Status: Complete. Document transmitted from ORP to Ecology via letter 10-TPD-176 on 12/28/2010. Comments were transmitted from Ecology to ORP on May 27, 2011, via letter 11-NWP-048. ORP requested one extension to the comment resolution period to December 5, 2011. Resolutions have been identified for all comments and the RCRs and redline provided to Ecology on 11/14/2011 with an extension date for Ecology response of March 15, 2012. Ecology and ORP met in May and June and identified a path to resolve remaining comments. The due date has been extended to July 31 to incorporate final changes.

M-045-80, Complete those portions of C-200 Closure Demonstration Plan, Due: 1/31/2011
Status: Complete. Four primary documents transmitted from ORP to Ecology via letter 10-TPD-166 on 12/28/10. Comments on three of the four documents were transmitted from Ecology to ORP on May 27, 2011, via letters 11-NWP-045, 11-NWP-047, and 11-NWP-051. ORP requested an extension, to December 5, 2011. Ecology requested additional time to review *Radioactive Waste Determination Process Plan for Waste Management Area C Tank Waste Residual* via 11-NWP-049. ORP transmitted responses on the C-301 Catch Tank Retrieval Feasibility Study (RPP-RPT-45723) to Ecology on November 8, 2011, via 11-TDP-085. ORP transmitted responses on the 241-C Tank Removal Study (RPP-RPT-47167) on November 9, 2011, via 11-TPD-084. ORP received Ecology comments on the *Radioactive Waste Determination Process Plan for Waste Management Area C Tank Waste Residuals* on December 7, 2011 and is evaluating comments. ORP transmitted responses for *The Waste Management Area C RCRA/CERCLA Integration White Paper* (RPP-PLAN-46459) on January 17, 2012 via

11-TF-151. ORP provided updated Draft WIR process paper with RCRs to Ecology on March 15th. Ecology and ORP agreed to meet to discuss comment resolution and extend the final resolution to the end of May. Ecology's comments were incorporated and Ecology has concurred with the changes. The final document was released to the TPA Admin Record on 07/18/2012.

M-045-81, Implement & complete all remaining activities in C-200 Closure Demonstration Plan, with any revisions agreed to by Ecology and DOE, and provide a report of the results of those activities, Due: 9/30/2014, Status: Complete. The original C-200 Closure Demonstration Plan was revised and released as *Waste Management Area C Closure Demonstration Project Plan* (RPP-PLAN-46484, Revision 3). Ecology and DOE agreed to the changes in this revision of the plan in December 2011 Project Managers Meeting. The remaining deliverable specified in the closure demonstration plan was formally transmitted from ORP to ECY via letter 10-TPD-166 on 12/28/2010. Comments were transmitted from Ecology to ORP on June 1, 2011, via letter 11-NWP-052. ORP requested an extension, to December 5, 2011. Ecology and ORP met on 11/1, 11/14, and 11/17/2011 to resolve comments. ORP requested an extension to March 15, 2012 to incorporate comment resolutions. ORP provided updated Draft Pipeline Feasibility Report and RCRs to Ecology on March 15th. Ecology and ORP met in May and June to resolve comments. All comments were resolved and the final document has been released as of 07/02/2012.

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due: 9/30/2015 Status: On Schedule

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

Significant Past Accomplishments:

- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

- See discussions above and related discussions in Consent Decree report.
- Work to discuss and resolve issues and comments associated with deliverables for M-45-101.

Issues:

USDOE is deferring the final numeric modeling supporting the WMA C performance assessment to 2013 due to budget constraints in 2012. Impacts of this delay are being incorporated into the critical path schedules. Initial budget guidance for FY2013 will not support continuing the WMA C-PA in 2013. Impacts will be evaluated.

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:

None

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:

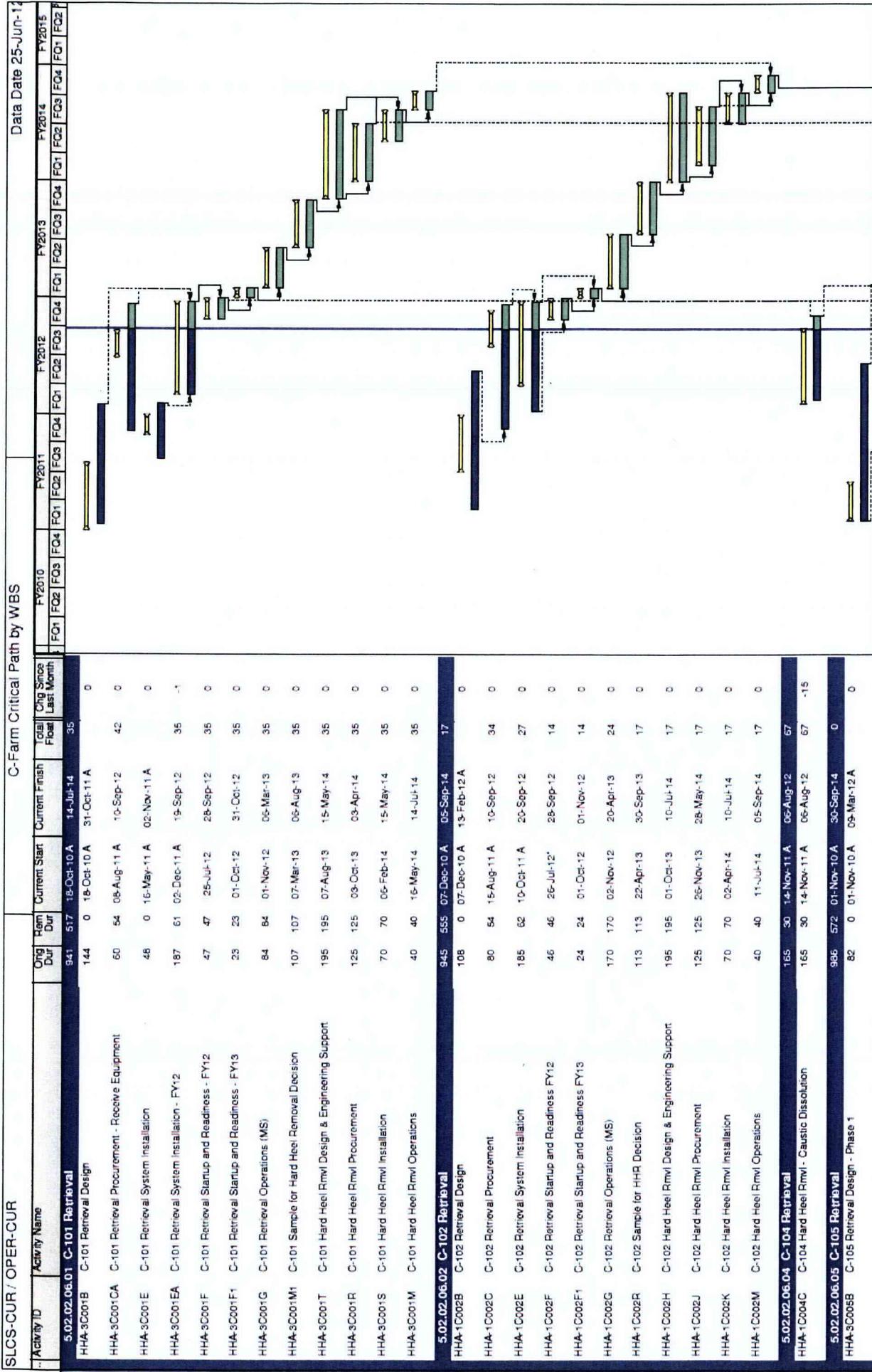
Ecology letter of January 7, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

Significant Planned Activities in the Next Six Months:

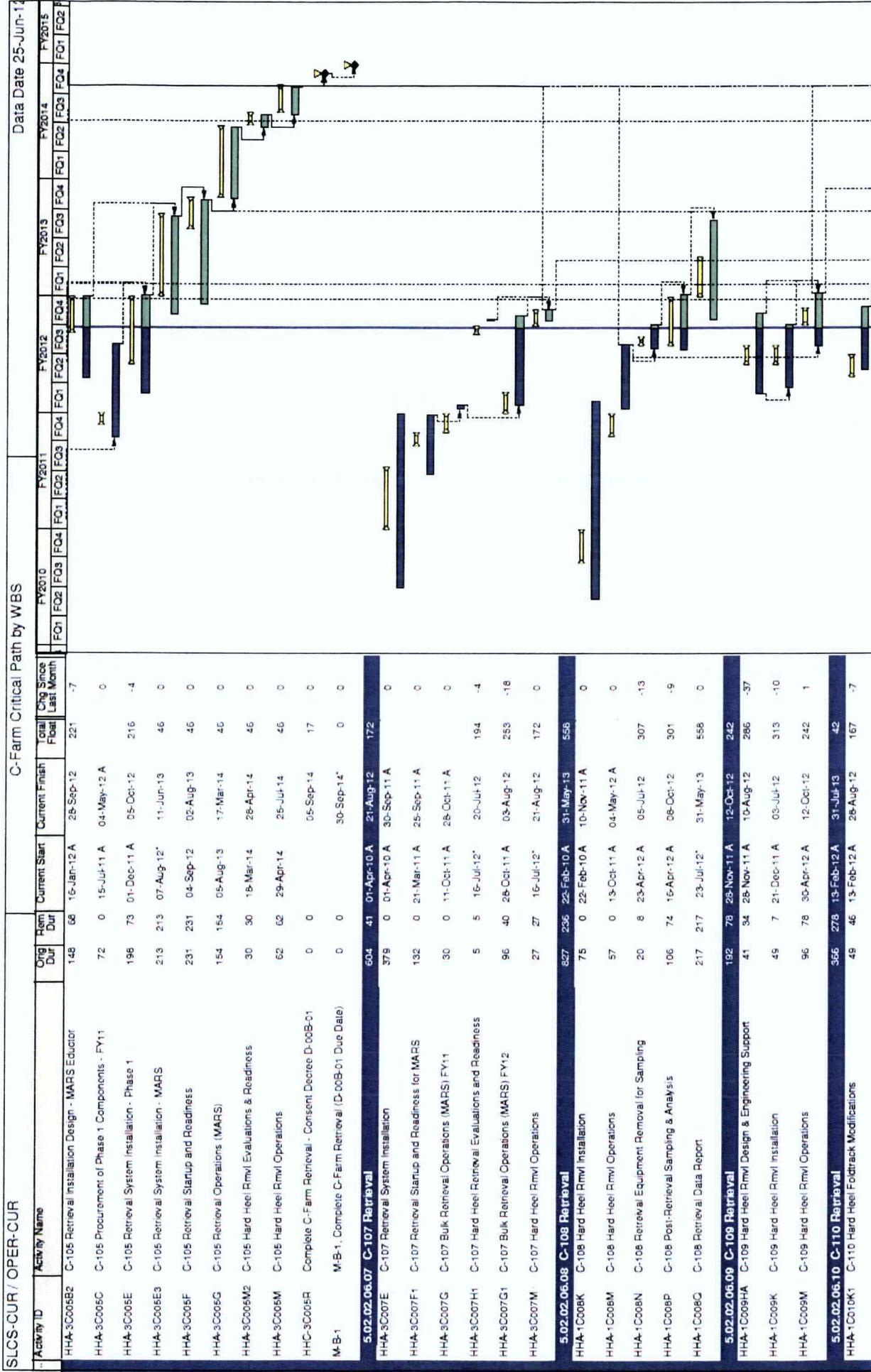
None

Issues:

None



C-Farm Critical Path by WBS

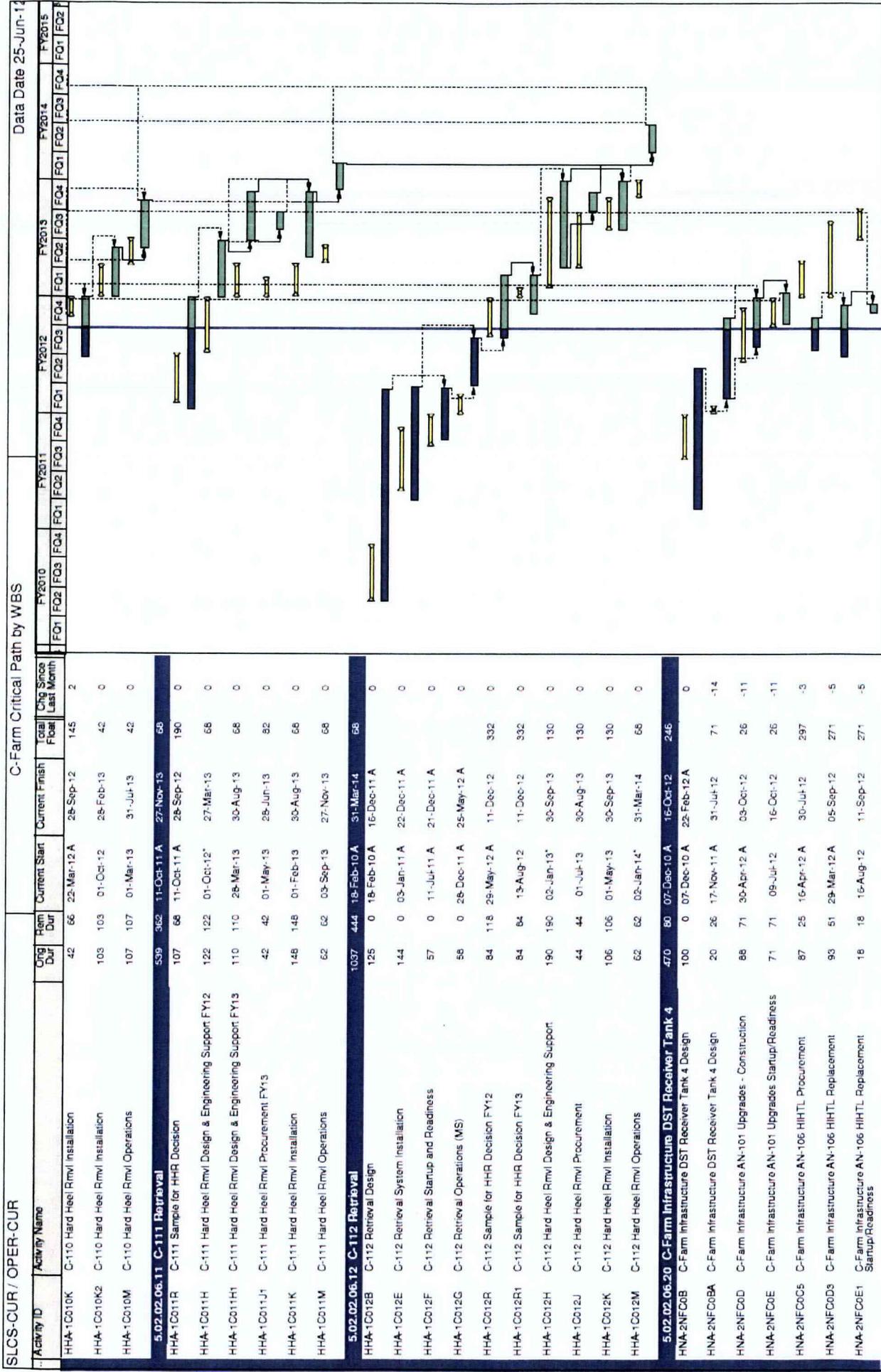


Legend:
█ Actual Work
█ Remain Work
█ Critical Remain Work
▼ Milestone
▶ Baseline Act

C-Farm Retrieval Critical Path
 Current Schedule
 June 2012

TASK filters: 1 - C-Farm CP
 Exclude, C-Farm - Critical Path.

Page 2 of 3



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

242-A Campaign strategy:

No campaigns were conducted in FY2011 due to ongoing 242-A and Tank Farm Life Extension and ARRA funded facility upgrades. 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. Campaign 10-02 was an acceleration of previously planned Campaign 11-01. |
| FY10 | 10-02 | AW-106 | AW-106 | |
| 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 May 2013. May require two (2) passes to achieve waste volume reduction. |
| FY13 | 13-02- | AW-106 | AW-106 | Estimated start July 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-045-91G-T02, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 750,000 gallon tanks (BY, S, TX and TY Farms), Due: 1/31/2012, Status: Complete 11/18/11. (ORP letter 11-TPD-091)

M-045-91D, Submit to Ecology an analytical test plan for the cores removed from the C-107 plug, Due: 3/31/2012, Status: Complete 06/27/11. (ORP letter 11-TPD-043)

M-045-91G-T06, Provide to Ecology a report documenting and evaluating the visual inspection of 12 SSTs per the criteria in M-045-91G-T05, Due: 3/31/2012, Status: Complete 03/12/12. (ORP Letter 12-TF-0007)

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: On schedule. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 01/23/12.

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-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: On schedule.

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: On schedule.

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: On schedule. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 1/23/2012.

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: On schedule.

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

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: On schedule.

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

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

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

Significant Past Accomplishments:

- Completed target M-045-91F-T03, provide Ecology the Ionic Conductivity Feasibility Report. (ORP letter 12-TF-0009, dated 05/02/12)

Significant Planned Actions in the Next Six Months:

- Planning for FY2013.

Issues:

- FY2012 funding constraints will impact FY2012 M-045-91 scheduled work. TPA Change Packages will be developed as needed.

In Tank Characterization and Summary

For the period from June 1 – June 30, 2012:

Accomplishments:

- Completed RPP-PLAN-51231, Rev. 0, 2012 *Tank 241-AZ-102 Grab Sampling and Analysis Plan*.
- Completed Rev. 13 of RPP-8532, *Double-Shell Tanks Chemistry Control Data Quality Objectives*.
- Completed RPP-PLAN-52471, Rev. 0, *Sampling and Analysis Plan for Residual Waste solids in Tank 241-C-108*.
- Completed RPP-PLAN-52875, Rev. 0, Laboratory Screening of C-111 Archived Samples.
- Completed one liquid grab sampling event during the hard heel retrieval of tank 241-C-104. Liquid grab samples were collected on June 28, 2012, during caustic dissolution.
- RPP-RPT-52786, Rev. 0, *Final Report for Analysis of 204-AR-TK-1 Catch Tank Samples collected in April 2012* was released.
- RPP-RPT-52795, Rev. 0, *Results for Tank 241-C-112 Stack Chemical Emissions for The Middle of Retrieval* was released.
- Tank C-107 stack gas samples to evaluate emissions of potential Toxic Air Pollutants at the middle of retrieval were collected on June 25, 2012.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank SY-102 grab samples for chemistry control – currently scheduled for July-August 2012
 - Additional tank C-109 grab samples to support heel retrieval – currently scheduled to re-start in July 2012
 - Tank AN-106 grab samples for chemistry control after completion of C-107 sluicing – currently scheduled for July 2012
 - Tank C-108 off- riser samples for tank component closure – currently scheduled for July 2012
 - Tank AZ-102 grab samples for chemistry control – currently scheduled for July 2012
 - Tank AN-101 grab samples for chemistry control after completion of C-112 sluicing, caustic addition, and C-104 hard heel dissolution – currently scheduled for August 2012.
 - Tank C-112 off-riser samples to evaluate waste characteristics for heel dissolution may occur during June –September 2012 depending on the progress of retrieval. This sampling event may be replaced by in-tank analysis with a Raman probe.
- BBI Updates
 - Five tanks have been identified for updates in FY12 Quarter 3. The BBI updates will be issued in July 2012.
- Data Quality Objectives (DQO)
 - Revision of the PCB Management DQO (RPP-7614) and the Compatibility DQO (HNF-SD-WM-DQO-001) in August 2012
 - Revision of the Strategic Planning DQO (RPP-44057) in August 2012

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.

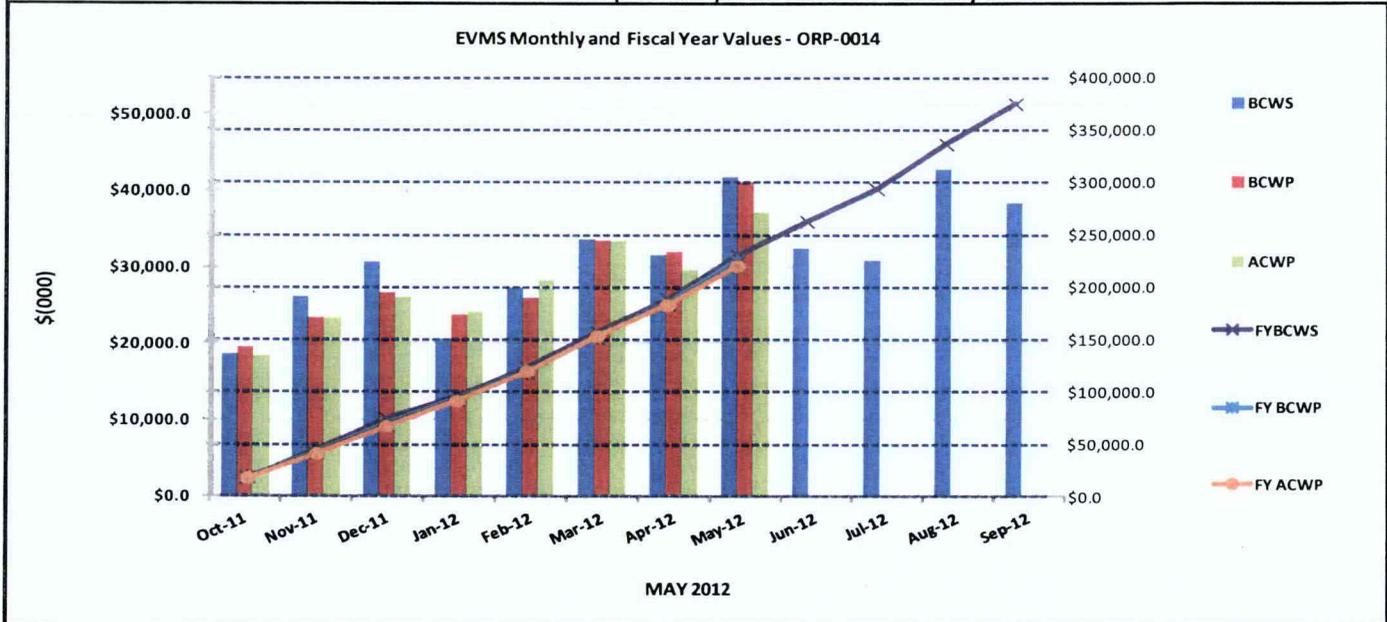
As of May 31, 2012 the TOC team worked 4,012,169 hours (416 days) without a Lost Time Workday Injury or DART case and achieved 364,163 hours (39 days) since the last Recordable case. There were no recordable cases in the month of May. An April 2012 and December 2011 cases were reclassified to recordable due to information received during the month of May.

May EVMS Data

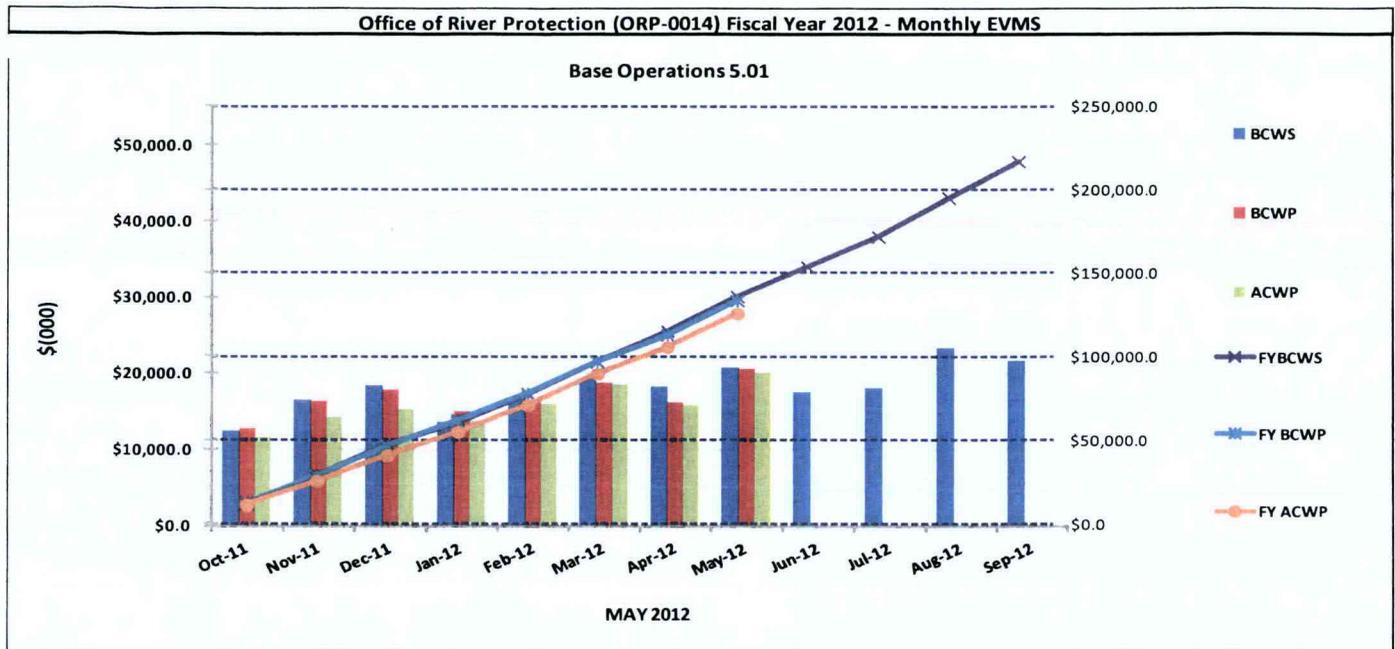
| WRPS Project Performance - (\$K) | | | | | | | | | | |
|----------------------------------|-------------|-------------|-------------|------------|----------|------|------|-------------|-------------|----------|
| | BCWS | BCWP | ACWP | SV | CV | SPI | CPI | BAC | EAC | VAC |
| CM | 41,773.0 | 41,108.0 | 37,244.0 | (665.0) | 3,864.0 | 0.98 | 1.10 | | | |
| FYTD | 230,312.0 | 225,597.0 | 220,617.0 | (4,715.0) | 4,980.0 | 0.98 | 1.02 | 375,888.0 | 369,095.0 | 6,793.0 |
| CTD | 1,455,479.0 | 1,444,647.0 | 1,383,747.0 | (10,832.0) | 60,900.0 | 0.99 | 1.04 | 2,158,538.0 | 2,094,083.3 | 64,454.7 |

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.

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FYBCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|---------------|---------------|---------------|------|------|-------------|-------------|-------------|--------|--------|
| Oct-11 | \$18,559.4 | \$19,444.2 | \$18,408.0 | 1.05 | 1.06 | \$18,559.4 | \$19,444.2 | \$18,408.0 | 1.05 | 1.06 |
| Nov-11 | \$26,121.7 | \$23,436.0 | \$23,336.0 | 0.90 | 1.00 | \$44,681.1 | \$42,880.2 | \$41,744.0 | 0.96 | 1.03 |
| Dec-11 | \$30,678.0 | \$26,611.0 | \$26,115.0 | 0.87 | 1.02 | \$75,359.1 | \$69,491.2 | \$67,859.0 | 0.92 | 1.02 |
| Jan-12 | \$20,716.5 | \$23,741.2 | \$24,148.4 | 1.15 | 0.98 | \$96,075.6 | \$93,232.4 | \$92,007.4 | 0.97 | 1.01 |
| Feb-12 | \$27,334.7 | \$26,007.7 | \$28,261.8 | 0.95 | 0.92 | \$123,410.3 | \$119,240.1 | \$120,269.2 | 0.97 | 0.99 |
| Mar-12 | \$33,615.5 | \$33,405.7 | \$33,466.4 | 0.99 | 1.00 | \$157,025.8 | \$152,645.8 | \$153,735.6 | 0.97 | 0.99 |
| Apr-12 | \$31,512.7 | \$31,843.8 | \$29,637.5 | 1.01 | 1.07 | \$188,538.5 | \$184,489.6 | \$183,373.1 | 0.98 | 1.01 |
| May-12 | \$41,772.6 | \$41,107.6 | \$37,244.1 | 0.98 | 1.10 | \$230,311.1 | \$225,597.2 | \$220,617.2 | 0.98 | 1.02 |
| Jun-12 | \$32,349.0 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$262,660.1 | | | 0.00 | 0.00 |
| Jul-12 | \$30,966.0 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$293,626.1 | | | 0.00 | 0.00 |
| Aug-12 | \$42,822.3 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$336,448.4 | | | 0.00 | 0.00 |
| Sep-12 | \$38,393.4 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$374,841.8 | | | 0.00 | 0.00 |
| CTD | \$1,455,479.0 | \$1,444,647.3 | \$1,383,747.0 | 0.99 | 1.04 | | | | | |



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FYBCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|--------------------|--------------------|--------------------|-------------|-------------|-------------|-------------|-------------|--------|--------|
| Oct-11 | \$12,392.2 | \$12,786.7 | \$11,613.8 | 1.03 | 1.10 | \$12,392.2 | \$12,786.7 | \$11,613.8 | 1.03 | 1.10 |
| Nov-11 | \$16,611.9 | \$16,361.1 | \$14,369.5 | 0.98 | 1.14 | \$29,004.1 | \$29,147.8 | \$25,983.3 | 1.00 | 1.12 |
| Dec-11 | \$18,475.0 | \$17,939.2 | \$15,354.0 | 0.97 | 1.17 | \$47,479.1 | \$47,087.0 | \$41,337.3 | 0.99 | 1.14 |
| Jan-12 | \$13,582.4 | \$14,954.3 | \$13,803.4 | 1.10 | 1.08 | \$61,061.5 | \$62,041.3 | \$55,140.7 | 1.02 | 1.13 |
| Feb-12 | \$16,737.0 | \$16,169.5 | \$16,105.1 | 0.97 | 1.00 | \$77,798.5 | \$78,210.8 | \$71,245.8 | 1.01 | 1.10 |
| Mar-12 | \$19,272.8 | \$18,703.5 | \$18,623.5 | 0.97 | 1.00 | \$97,071.3 | \$96,914.3 | \$89,869.3 | 1.00 | 1.08 |
| Apr-12 | \$18,206.1 | \$16,155.1 | \$15,909.1 | 0.89 | 2.00 | \$115,277.4 | \$113,069.4 | \$105,778.4 | 0.98 | 1.07 |
| May-12 | \$20,828.7 | \$20,643.6 | \$20,118.7 | 0.99 | 3.00 | \$136,106.1 | \$133,713.0 | \$125,897.1 | 0.98 | 1.06 |
| Jun-12 | \$17,625.9 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$153,732.0 | | | 0.00 | 0.00 |
| Jul-12 | \$18,100.3 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$171,832.3 | | | 0.00 | 0.00 |
| Aug-12 | \$23,312.8 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$195,145.1 | | | 0.00 | 0.00 |
| Sep-12 | \$21,739.2 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$216,884.3 | | | 0.00 | 0.00 |
| CTD | \$959,290.1 | \$955,232.2 | \$924,093.4 | 1.00 | 1.03 | | | | | |

Base Operations

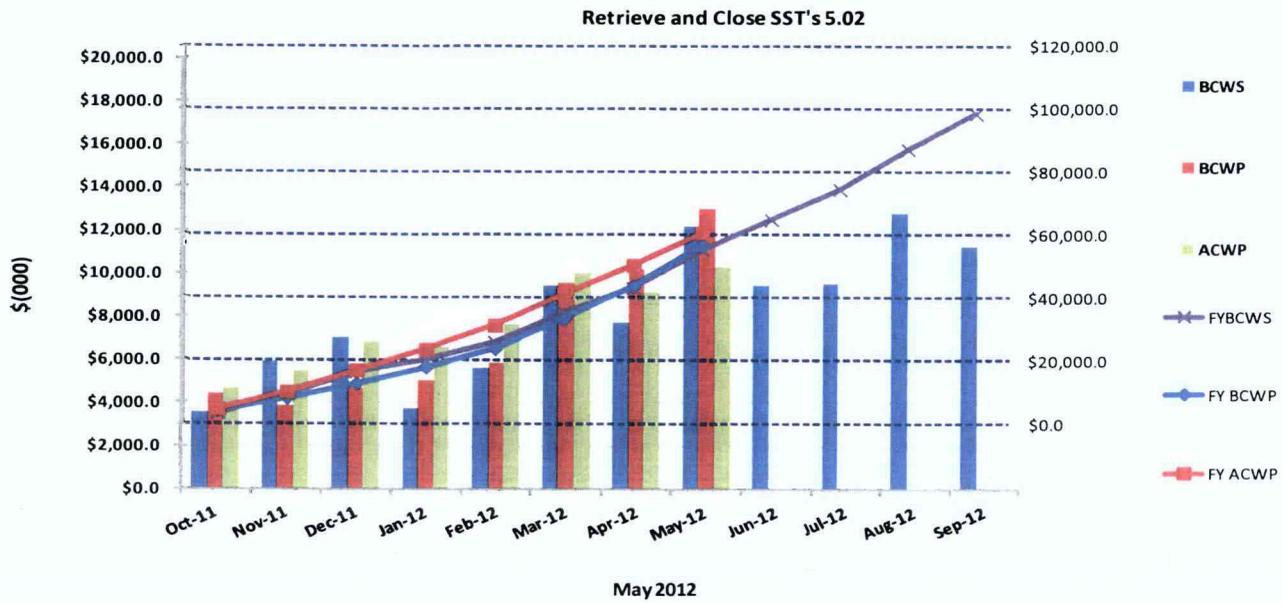
Schedule Variance (-\$185.1K):

Schedule variance is negligible

Cost Variance (\$524.9K):

The favorable cost variance is primarily due to a credit received from a joint site license purchase with Bechtel National Inc. associated with the Smart Plant Foundation.

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FYBCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|-------------|-------------|-------------|------|------|------------|------------|------------|--------|--------|
| Oct-11 | \$3,580.0 | \$4,402.2 | \$4,709.1 | 1.23 | 0.93 | \$3,580.0 | \$4,402.2 | \$4,709.1 | 1.23 | 0.93 |
| Nov-11 | \$5,940.2 | \$3,864.7 | \$5,462.1 | 0.65 | 0.71 | \$9,520.2 | \$8,266.9 | \$10,171.2 | 0.87 | 0.81 |
| Dec-11 | \$7,038.0 | \$4,650.9 | \$6,844.4 | 0.66 | 0.68 | \$16,558.2 | \$12,917.8 | \$17,015.6 | 0.78 | 0.76 |
| Jan-12 | \$3,732.7 | \$5,070.3 | \$6,601.7 | 1.36 | 0.77 | \$20,290.9 | \$17,988.1 | \$23,617.3 | 0.89 | 0.76 |
| Feb-12 | \$5,629.0 | \$5,885.6 | \$7,633.1 | 1.05 | 0.77 | \$25,919.9 | \$23,873.7 | \$31,250.4 | 0.92 | 0.76 |
| Mar-12 | \$9,484.6 | \$9,596.9 | \$9,999.9 | 1.01 | 0.96 | \$35,404.5 | \$33,470.6 | \$41,250.3 | 0.95 | 0.81 |
| Apr-12 | \$7,717.2 | \$10,237.2 | \$9,151.0 | 1.33 | 1.12 | \$43,121.7 | \$43,707.8 | \$50,401.3 | 1.01 | 0.87 |
| May-12 | \$12,189.8 | \$13,026.7 | \$10,318.8 | 1.07 | 1.26 | \$55,311.5 | \$56,734.5 | \$60,720.1 | 1.03 | 0.93 |
| Jun-12 | \$9,473.9 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$64,785.4 | | | 0.00 | 0.00 |
| Jul-12 | \$9,555.6 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$74,341.0 | | | 0.00 | 0.00 |
| Aug-12 | \$12,814.2 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$87,155.2 | | | 0.00 | 0.00 |
| Sep-12 | \$11,249.6 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$98,404.8 | | | 0.00 | 0.00 |
| CTD | \$294,658.4 | \$292,036.7 | \$292,545.9 | 0.99 | 1.00 | | | | | |

Single-Shell TanksSchedule Variance \$836.9K:

The favorable schedule variance is primarily due to:

- C-104 Retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included Hard Heel Removal Installation, Hard Heel Procurement and Hard Heel Removal Design and Engineering Support.
- C-105 Retrieval due to the large riser assembly being delivered 3 months ahead of the planned August 2012 date. In addition, schedule recovery was achieved with receipt of the ventilation demister assemblies that were originally planned in FY 2011 but were deferred due to reprioritization of funding.

The favorable variances are partially offsite by:

- C-101 Retrieval delay in receipt of long-lead procurements, specifically the ERSS. Receipt was planned in the months of May and June but has been delayed until July and August as the ERSS hose

failed qualification testing due to the fittings being too tight for the high temperature and tension burst test. Subsequently, new hoses were ordered so that fittings could be matched to meet both the temperature and pressure tests. Testing was successfully completed.

- C-102 Retrieval delays in receiving the slurry pump assembly which was driven by fabrication delays. The assembly will be received in June. In addition, system installation is behind schedule due to priorities turned to emergent work and resource allocation to other projects. Equipment removal activities are scheduled to complete in early July.

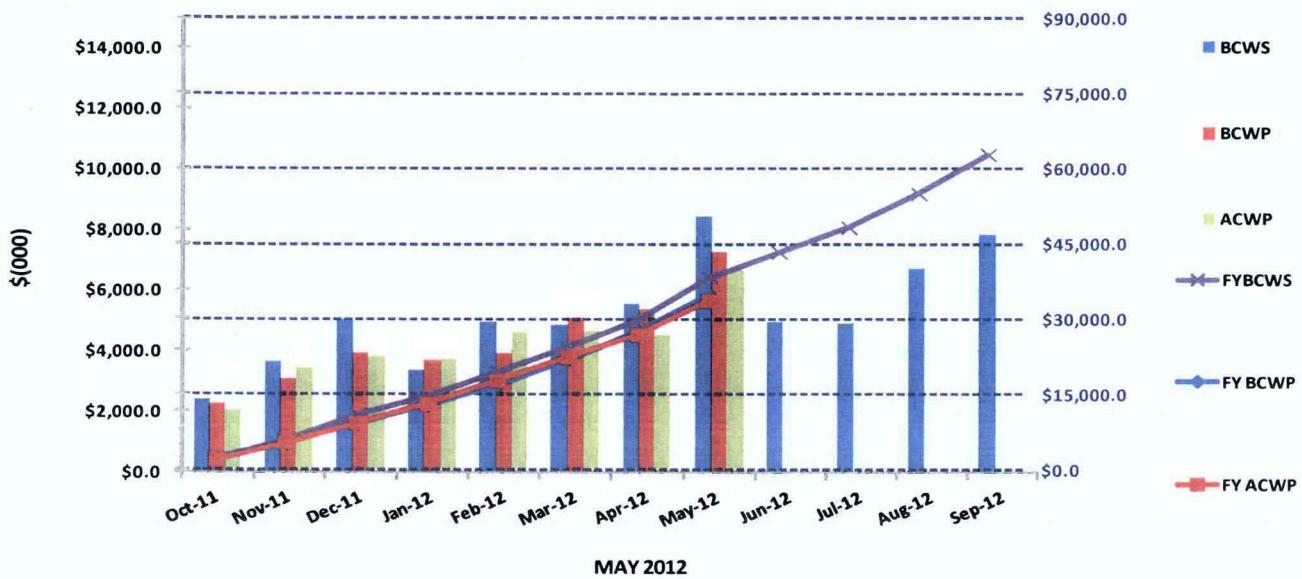
Cost Variance \$2,707.9K:

The favorable cost variance is primarily due to:

- C-104 Retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included Hard Heel Removal Installation, Hard Heel Procurement and Hard Heel Removal Design and Engineering Support.
- C-105 Retrieval due to procurement and system installation cost efficiencies associated with the demister assemblies and the new riser assembly. Also, additional soil analysis was performed resulting in an increase in the allowable volume of soil that may be removed at one time. This resulted in one excavation for equipment removal instead of excavating and backfilling each piece of removed equipment as was originally planned.

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS

WFD / Treatment Planning / DST Retrieval / Closure 5.03



MAY 2012

| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FYBCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|--------------------|--------------------|--------------------|-------------|-------------|------------|------------|------------|--------|--------|
| Oct-11 | \$2,399.7 | \$2,255.3 | \$2,062.4 | 0.94 | 1.09 | \$2,399.7 | \$2,255.3 | \$2,062.4 | 0.94 | 1.09 |
| Nov-11 | \$3,657.3 | \$3,110.4 | \$3,461.2 | 0.85 | 0.90 | \$6,057.0 | \$5,365.7 | \$5,523.6 | 0.89 | 0.97 |
| Dec-11 | \$5,080.5 | \$3,936.3 | \$3,833.1 | 0.77 | 1.03 | \$11,137.5 | \$9,302.0 | \$9,356.7 | 0.84 | 0.99 |
| Jan-12 | \$3,401.5 | \$3,716.7 | \$3,770.3 | 1.09 | 0.99 | \$14,539.0 | \$13,018.7 | \$13,127.0 | 0.90 | 0.99 |
| Feb-12 | \$4,968.7 | \$3,952.6 | \$4,632.5 | 0.80 | 0.85 | \$19,507.7 | \$16,971.3 | \$17,759.5 | 0.87 | 0.96 |
| Mar-12 | \$4,858.0 | \$5,105.4 | \$4,692.0 | 1.05 | 1.09 | \$24,365.7 | \$22,076.7 | \$22,451.5 | 0.91 | 0.98 |
| Apr-12 | \$5,556.4 | \$5,404.5 | \$4,531.6 | 0.97 | 1.19 | \$29,922.1 | \$27,481.2 | \$26,983.1 | 0.92 | 1.02 |
| May-12 | \$8,445.0 | \$7,287.9 | \$6,700.7 | 0.86 | 1.09 | \$38,367.1 | \$34,769.1 | \$33,683.8 | 0.91 | 1.03 |
| Jun-12 | \$4,975.2 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$43,342.3 | | | 0.00 | 0.00 |
| Jul-12 | \$4,904.8 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$48,247.1 | | | 0.00 | 0.00 |
| Aug-12 | \$6,730.4 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$54,977.5 | | | 0.00 | 0.00 |
| Sep-12 | \$7,833.6 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$62,811.1 | | | 0.00 | 0.00 |
| CTD | \$187,647.3 | \$183,640.8 | \$155,443.4 | 0.98 | 1.18 | | | | | |

Waste Feed Delivery/Treatment/DST Retrieval Closure

Schedule Variance (-\$1,157.1K):

The unfavorable schedule variance is primarily due to:

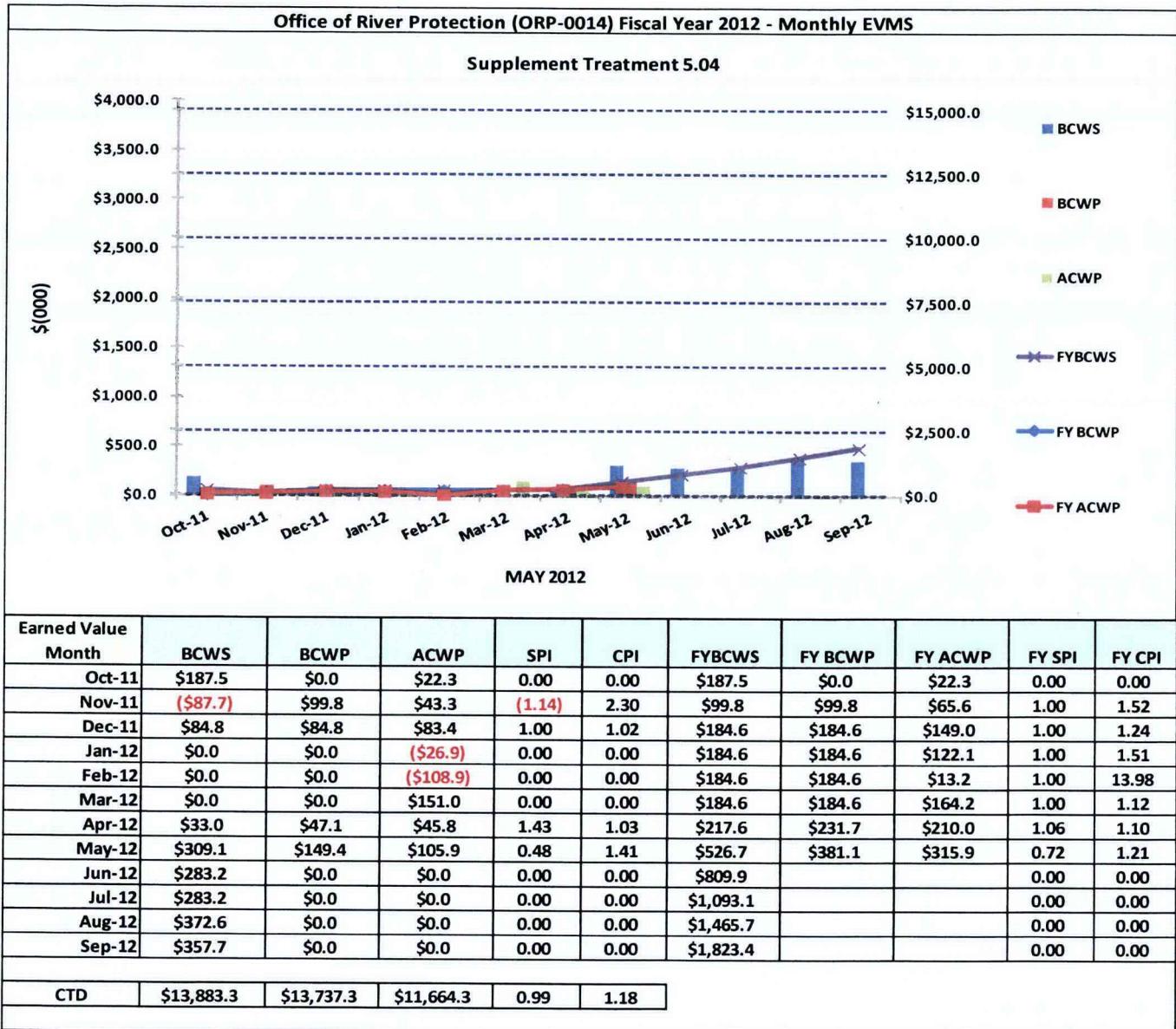
- AY-102 Mixing Demonstration design which was impacted by DOE-ORP direction to implement new safety-significant temperature and flammable gas monitoring instrumentation (previously general service). Advanced Work Authorization Baseline Change Request (BCR) RPP-12-142, "AWA - AY-102 Safety Significant Controls," was implemented in May 2012 for the change.
- Waste Feed Delivery System Performance delays in preparing to initiate testing on both the small-scale mixing demonstration platform and the remote sampler demonstration platform. These delays are due to the procurement of the test simulant and equipment issues found during system startup and shakedown testing. Testing is expected to commence in early June 2012.

Cost Variance \$587.2K:

The favorable schedule variance is primarily due to:

- A cost correction for the remote sampler demonstration and the small-scale mixing demonstration. The performance testing is split-funded between (1)WFD Tank Mixing and Sampling which is base

funded, and (2) WFD System Performance which is TDD funded. Costs were overstated in WFD System Performance requiring the cost transfer.



Supplemental Treatment

Schedule Variance (-\$159.8)

The unfavorable variance is primarily due to delays in awarding scope to Savannah River National Laboratory and Oak Ridge National Laboratory using the Inter-Entity Work Order (IEWO) process. Work scope was developed and transmitted in April; however, extensive Quality Assurance reviews required additional time to respond to comments and resolve. The IEWOs have been approved and transmitted to both laboratories for acceptance.

Cost Variance - \$43.5

Variance is negligible.

Acquisition of New Facilities

M-090-11, Complete the Negotiation of No More Than Two Canister Storage Facility Construction Interim Milestones, Due: 12/31/12, Status: To Be Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Please see issues below.

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

M-047-06, Complete negotiation of no more than two interim milestones governing work necessary to support completion of M-047-00, Due: 06/30/12, Status: Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Please see issues below.

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:

The Interim Hanford Storage Conceptual Design activities (e.g. Conceptual Design Report [CDR], Preliminary Process Hazards Analysis, Design Basis Accident Analysis, Conceptual Safety Design Report, etc.) have been completed and transmitted to ORP. The Secondary Liquid Waste Treatment Project issued the Risk and Opportunity Management Plan and the Acquisition Plan. The project is on schedule to complete the Conceptual Design Report and deliver the CD-1 package to ORP before 8/30/12.

Significant Planned Actions in the Next Six Months:

- Complete the CDR for the Secondary Liquid Waste Treatment Project.
- Complete the update to the Project Execution Plan for Secondary Liquid Waste Treatment Project.
- Complete the Preliminary Fire Hazard Analysis for Secondary Liquid Waste Treatment Project
- Submit the Secondary Liquid Waste Treatment Project CD-1 Package to ORP.

Issues:

ORP submitted signed TPA Change Packages M-47-12-01 and M-90-12-01 to Ecology on 06/13/12 to defer negotiation of these milestones to a To Be Determined (TBD) date to be established 12 months following completion of the River Protection Plan (RPP) Waste Treatment Plant (WTP) re-baseline/re-planning efforts. Ecology provided letters 12-NWP-101 and 12-NWP-100 disapproving M-47-12-01 and M-90-12-01 TPA Change Packages to ORP on 06/25/12. Formal notification to miss milestones M-047-06 and M-090-11 provide to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Ecology issued a Notice of Violation (NOV) for M-047-06 on 07/12/12 per letter 12-NWP-118. ORP received Ecology letter 12-NWP-122, Docket Number 9402, stipulating a penalty for missing M-047-06 on 07/19/12.

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:

None

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:

None

Issues:

None

WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP) PROJECT

| Number | Title | Due Date | Status |
|---------------|--|-----------------|------------------------------------|
| M-062-01X | Submit Semi-Annual TPA Project Compliance Report | 01/31/2012 | Completed - Report Sent 01/27/2012 |
| M-062-01Y | Submit Semi-Annual TPA Project Compliance Report | 07/31/2012 | On Schedule |

***SEE THE JULY 2012 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

July 2012

Office of River Protection
 Consent Decree 08-5085-FVS
 Monthly Summary Report
 July 2012

| Page | Topic | Leads |
|-------------|--|--|
| 3 | Statistics / Status | James Lynch / Dan McDonald / Jeff Lyon |
| 5 | SST Retrieval and Closure - D-00B-01, -02, -03, -04 | Chris Kemp / Jeff Lyon |
| 6 | Tank Waste Retrieval Work Plan (TWRWP) Status - Consent Decree Appendix C | Chris Kemp / Jeff Lyon |
| 7 | SST Retrieval Monthly and Fiscal Year EVMS Data | Janet Diediker / Jeff Lyon |
| 9 | WTP - Immobilization Plant Project - D-00A-06, D-00A-17, D-00A-01 | Delmar Noyes / Dan McDonald |
| 11 | WTP Pretreatment (PT) Facility - D-00A-18, -19, -13, -14, -15, 16 | Wahed Abdul / Dan McDonald |
| 14 | High-Level Waste (HLW) Facility - D-00A-20, -21, 02, 03 | Gary Olsen / Dan McDonald |
| 17 | Low-Activity Waste (LAW) Facility - D-00A-07, -08, -09 | Jeff Bruggeman / Dan McDonald |
| 20 | Balance of Facilities (BOF) - D-00A-12 | Jason Young / Dan McDonald |
| 22 | Analytical Laboratory (LAB) - D-00A-005 | |

| Milestone | Title | Due Date | Completion Date | Status |
|---|---|------------|-----------------|-----------|
| Fiscal Year 2012 | | | | |
| D-00C-02L | Submit to Ecology and Oregon Monthly Summary Reports | 10/31/11 | 10/25/11 | Completed |
| D-00C-02M | Submit to Ecology and Oregon Monthly Summary Reports | 11/30/11 | 11/21/11 | Completed |
| D-00C-02N | Submit to Ecology and Oregon Monthly Summary Reports | 12/31/11 | 12/27/11 | Completed |
| D-00C-02O | Submit to Ecology and Oregon Monthly Summary Reports | 01/31/12 | 01/25/12 | Completed |
| D-00C-02P | Submit to Ecology and Oregon Monthly Summary Reports | 02/29/12 | 02/22/12 | Completed |
| D-00C-02Q | Submit to Ecology and Oregon Monthly Summary Reports | 03/31/12 | 03/31/12 | Completed |
| D-00C-02R | Submit to Ecology and Oregon Monthly Summary Reports | 04/30/12 | 04/26/12 | Completed |
| D-00C-02S | Submit to Ecology and Oregon Monthly Summary Reports | 05/31/12 | 05/29/12 | Completed |
| D-00C-02T | Submit to Ecology and Oregon Monthly Summary Reports | 06/30/12 | 06/29/12 | Completed |
| D-00C-02U | Submit to Ecology and Oregon Monthly Summary Reports | 07/31/12 | | On-going |
| **D-00C-02V | Submit to Ecology and Oregon Monthly Summary Reports | 08/31/12 | | On-going |
| ** Future Monthly Summary Reports will be added as necessary to maintain a two-months ahead activity. | | | | |
| D-00C-01D | Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period | 01/31/12 | 01/27/12 | Completed |
| D-00C-01E | Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period | 07/31/12 | | On-going |
| Fiscal Year 2013 | | | | |
| D-00C-02X | Submit to Ecology & State of Oregon Monthly Summary Report | 10/31/2012 | | On-going |
| **D-00C-02Y | Submit to Ecology & State of Oregon Monthly Summary Report | 11/30/2012 | | On-going |
| ** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity. | | | | |
| D-00A-05 | LAB Construction Substantially Complete | 12/31/2012 | | On-going |
| D-00A-12 | Steam Plant Construction Complete | 12/31/2012 | | On-going |
| D-00A-21 | Complete Construction of Structural Steel to EL. 37' in HLW Fac. | 12/31/2012 | | On-going |

| Milestone | Title | Due Date | Completion Date | Status |
|------------------|--|-----------------|------------------------|---------------|
| D-00C-01F | Submit to Ecology & State of Oregon Semi-Annual Report | 01/31/2013 | | On-going |
| 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 |

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

D-006-00-A1, Provide State of Oregon notice of meetings in D-006-00-A, etc. no less than 30 days before they are scheduled, Due: 9/25/2013, Status: On-going

D-006-00-A, Meet Approximately Every Three Years After Entry of Decree to review requirements of the Consent Decree, Due: 10/25/2013, 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. Tanks currently in retrieval status are C-104, C-107, C-108, C-109, C-110, C-111, and C-112.

D-00B-02, Advise Ecology of the 9 SSTs from which Waste Will Be Retrieved by 2022, Due: 9/30/2014, Status: Complete. ORP and Ecology began meeting in December 2010 to discuss the selection of the next nine tanks from which waste will be retrieved and why ORP believes those nine tanks should be in A/AX Farms. The last meeting was held on August 24, 2011. At this meeting, Ecology provided ORP with the guidance that Ecology believes the requirements of Project B-2 of the Consent Decree have been met.

D-00B-03, Initiate Startup 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. Completed design for C-101 and C-102 modified sluicing retrieval systems.
2. Continued procurement for C-101 & 102 modified sluicing retrieval systems.
3. Continued removal of legacy equipment in C-101 and C-102.
4. Initiated hard heel retrieval activities on C-104, added 15K gallons of caustic and commenced recirculation of caustic.
5. Continued construction activities for removal of equipment at C-105 to support large riser installation.
6. Continued modifying ventilation system to add C-105 to the new exhaust system installed for C-102.
7. Continued C-107 retrieval utilizing the MARS system (approximately 75% of waste retrieved).
8. Initiated removal of failed C-109 slurry pump to support hard heel removal.

Significant Planned Activities in the Next Six Months:

1. Complete-removal of legacy equipment at C-101.
2. Complete construction/installation of the modified sluicing system in C-101.
3. Complete removal of legacy equipment at C-102.
4. Complete construction/installation of the modified sluicing system in C-102.
5. Complete hard heel removal of waste at C-104.

6. Complete installation of the C-105 ventilation system and removal of equipment.
7. Complete installation of the large riser in C-105.
8. Complete C-107 bulk retrieval.
9. Complete C-107 hard heel retrieval.
10. Initiate hard heel retrieval of C-109.
11. Complete discussions with Ecology on the retrieval certificate of completion.

Issues:

None.

Tank Waste Retrieval Work Plan (TWRWP) Status

| Tank | TWRWP | Expected Revisions | Retrieval Technology | Second Technology | Third Technology |
|-------|-----------|---|--|---|------------------|
| C-101 | RPP-22520 | Complete | MRS (per 10/7/10 agreement, to be Modified Sluicing) | Chemical Dissolution | - |
| C-102 | RPP-22393 | Complete | Modified Sluicing | Chemical Dissolution | - |
| C-104 | RPP-22393 | In Process | Modified Sluicing | Chemical Dissolution | - |
| C-105 | RPP-22520 | Early Spring 2012 | MARS-V | High pressure water spray/M A RS platform | - |
| C-107 | RPP-22393 | In Process | MARS-S | MARS-High Pressure | - |
| C-108 | RPP-22393 | In Process | Modified Sluicing | Chemical Dissolution | - |
| C-109 | RPP-21895 | After evaluation of C-108 hard heel retrieval | Modified Sluicing | Chemical Dissolution | - |
| C-110 | RPP-33116 | After evaluation of C-108 hard heel retrieval | Modified Sluicing | None (to be revised to In-Tank Vehicle) | - |
| C-111 | RPP-37739 | After evaluation of C-108 hard heel retrieval | Modified Sluicing | None (to be revised to In-Tank Vehicle) | - |
| C-112 | RPP-22393 | In Process | Modified Sluicing | Chemical Dissolution | - |

Significant Accomplishments

None.

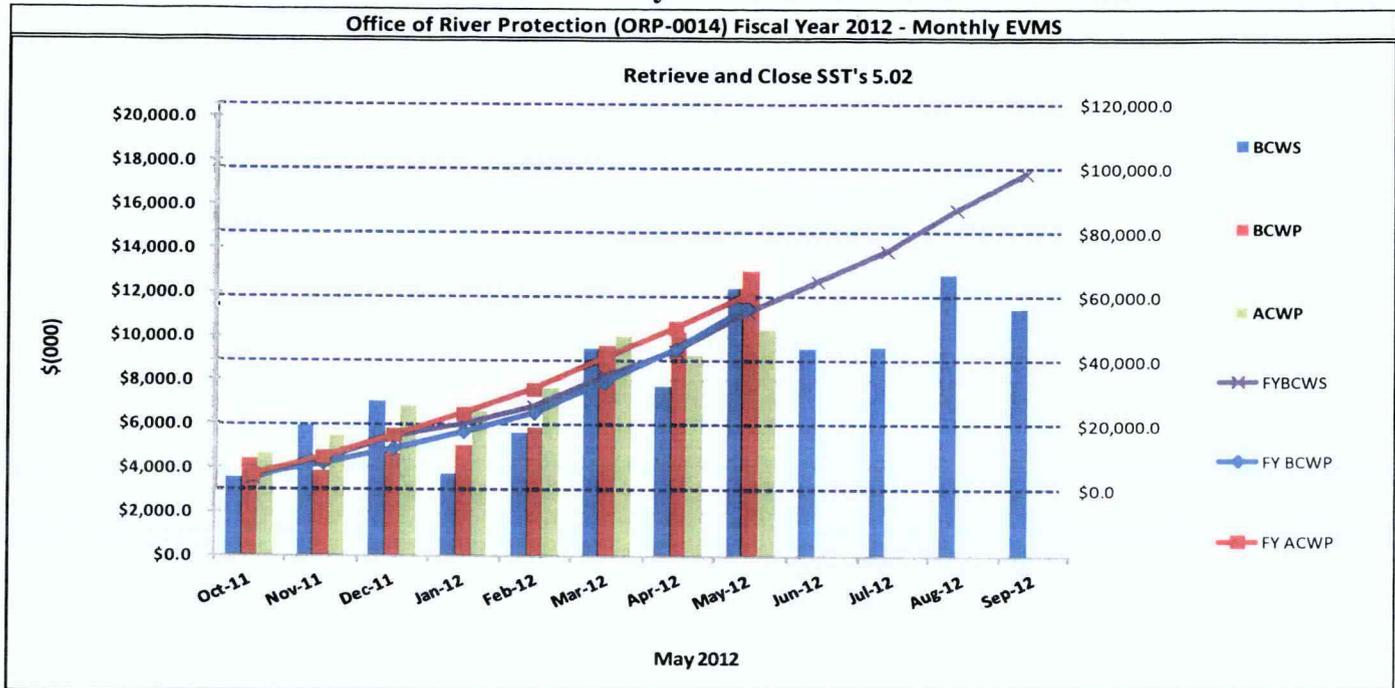
Significant Planned Activities in the Next 6 Months:

Work with Ecology on updates to TWRWPs RPP-22520, RPP-22393, and RPP-37739 for tanks 241-C-101, 241-C-102, and 241-C-111, respectively.

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-11 | \$3,580.0 | \$4,402.2 | \$4,709.1 | 1.23 | 0.93 | \$3,580.0 | \$4,402.2 | \$4,709.1 | 1.23 | 0.93 |
| Nov-11 | \$5,940.2 | \$3,864.7 | \$5,462.1 | 0.65 | 0.71 | \$9,520.2 | \$8,266.9 | \$10,171.2 | 0.87 | 0.81 |
| Dec-11 | \$7,038.0 | \$4,650.9 | \$6,844.4 | 0.66 | 0.68 | \$16,558.2 | \$12,917.8 | \$17,015.6 | 0.78 | 0.76 |
| Jan-12 | \$3,732.7 | \$5,070.3 | \$6,601.7 | 1.36 | 0.77 | \$20,290.9 | \$17,988.1 | \$23,617.3 | 0.89 | 0.76 |
| Feb-12 | \$5,629.0 | \$5,885.6 | \$7,633.1 | 1.05 | 0.77 | \$25,919.9 | \$23,873.7 | \$31,250.4 | 0.92 | 0.76 |
| Mar-12 | \$9,484.6 | \$9,596.9 | \$9,999.9 | 1.01 | 0.96 | \$35,404.5 | \$33,470.6 | \$41,250.3 | 0.95 | 0.81 |
| Apr-12 | \$7,717.2 | \$10,237.2 | \$9,151.0 | 1.33 | 1.12 | \$43,121.7 | \$43,707.8 | \$50,401.3 | 1.01 | 0.87 |
| May-12 | \$12,189.8 | \$13,026.7 | \$10,318.8 | 1.07 | 1.26 | \$55,311.5 | \$56,734.5 | \$60,720.1 | 1.03 | 0.93 |
| Jun-12 | \$9,473.9 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$64,785.4 | | | 0.00 | 0.00 |
| Jul-12 | \$9,555.6 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$74,341.0 | | | 0.00 | 0.00 |
| Aug-12 | \$12,814.2 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$87,155.2 | | | 0.00 | 0.00 |
| Sep-12 | \$11,249.6 | \$0.0 | \$0.0 | 0.00 | 0.00 | \$98,404.8 | | | 0.00 | 0.00 |
| CTD | \$294,658.4 | \$292,036.7 | \$292,545.9 | 0.99 | 1.00 | | | | | |

Single-Shell Tanks

Schedule Variance \$836.9K:

The favorable schedule variance is primarily due to:

- C-104 retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included hard heel removal installation, hard heel procurement and hard heel removal design and engineering support.
- C-105 retrieval because the large riser assembly was delivered 3 months ahead of the planned August 2012 date. In addition, schedule recovery was achieved with receipt of the ventilation demister assemblies that were originally planned in FY 2011 but were deferred due to reprioritization of funding.

The favorable variances are partially offset by:

- C-101 retrieval delay in receipt of long-lead procurements, specifically the ERSS. ORP had planned to receive the ERSS in May and June but receipt has been delayed until July and August as the ERSS hose failed qualification testing because the fittings were too tight for the high temperature and tension burst test. As a result, new hoses were ordered so that fittings could be matched to meet both the temperature and pressure tests. Testing was successfully completed.
- C-102 retrieval has been delayed because of delays in the fabrication of the slurry pump. In addition, system installation is behind schedule due to other priorities and resource allocations. Equipment removal activities are scheduled to complete in early July.

Cost Variance \$2,707.9K:

The favorable cost variance is primarily due to:

- C-104 retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included Hard Heel Removal Installation, Hard Heel Procurement and Hard Heel Removal Design and Engineering Support.
- C-105 retrieval due to procurement and system installation cost efficiencies associated with the demister assemblies and the new riser assembly. Additional soil analysis was performed which resulted in an increase in the allowable volume of soil that may be removed at one time. This resulted in one excavation for equipment removal instead of excavating and backfilling each piece of removed equipment as originally planned.

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 WTP Project currently employs about 2,515 Full-Time Equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel, including 581 craft, 483 non-manual, and about 109 subcontractor personnel FTEs working at the WTP construction site (all facilities). As of May 2012, the project was 65 percent complete overall, design and engineering was 85 percent complete, procurement was 70 percent complete, construction was 62 percent complete, and startup and commissioning was 15 percent complete.

The overall WTP Project schedule variance in May was a negative \$41.4 M; the cost variance was a negative \$43 M. The cost variance was primarily related to Engineering Design, Construction Crafts, and Engineering Equipment; and the schedule variance was primarily related to Engineering Design, Plant Equipment, Plant Material, and Plant Operations.

Following is the status through the end of May for current project issues.

Significant Past Accomplishments:

- Completed the 7 vessel weld inspections related to the welding issue as part of the Extent of Condition review from the High Level Waste (HLW) vessel RLD-00008 weld discrepancies (PT).
- Completed installation of the remote-operated dampers in the filter cave (HLW)
- Completed structural steel which supports the 14ft steel deck (HLW)
- Completed installation activities for C2 ventilation (C2V) system air-handling unit plenum and Carbon Bed Adsorber Monorail at elevation +48 (LAW)
- Completed 8 week walk down for WTP switchgear building 87 (BOF)

Significant Planned Actions in the Next Six Months:

- Complete the single PJM (pump down) tests for the 8' vessel in support of the V&V of the CFD program (PT)
- Receive Plant Wash and Drains vessel (RLD-VSL-8) (HLW)
- Complete 37' structural steel (HLW)
- Complete installation of melter power supplies (LAW)
- Complete installation of autosampler (ASX system) (LAW)
- Complete mechanical installation of autosampling system (LAB)
- Complete construction of the cooling tower (BOF)
- Complete construction of the switchgear building (BOF)

Issues:

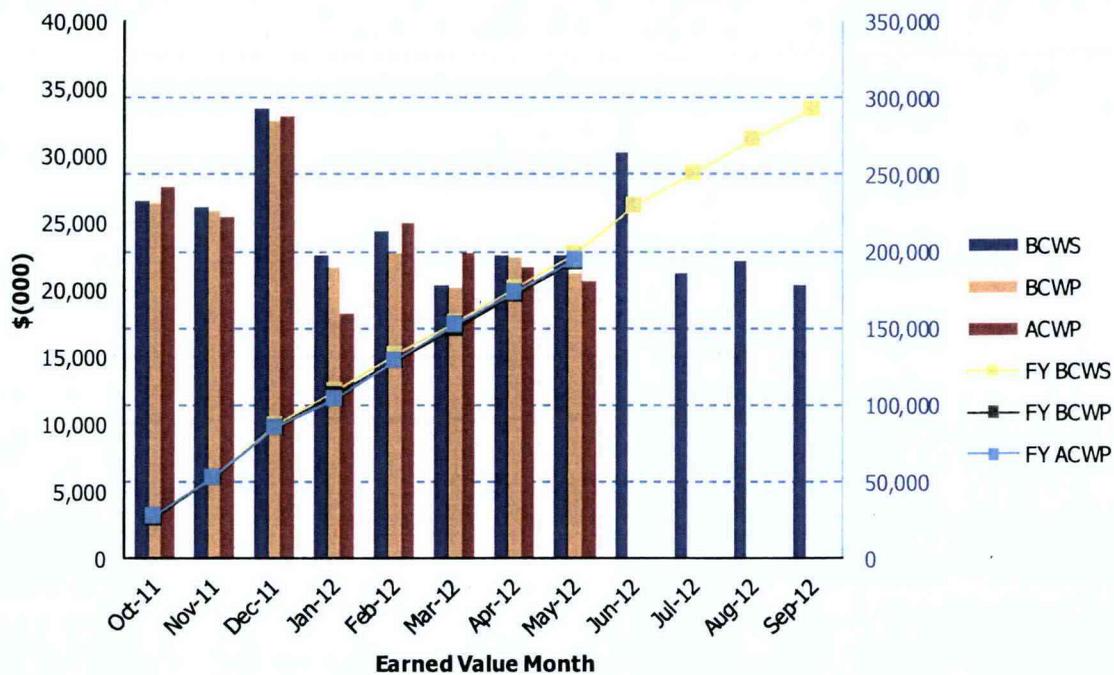
- *PT and HLW Facilities: Other issues have potential impacts on the PTF and HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF and HLW.
- There are no significant technical issues in LAW, LAB or BOF at this time.

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

River Protection Project
WTP Project - Shared Services (WBS 1.90)

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 2011 | \$26,640 | \$26,428 | \$27,681 | 0.99 | 0.95 | \$26,640 | \$26,428 | \$27,681 | 0.99 | 0.95 |
| Nov 2011 | \$26,213 | \$25,870 | \$25,414 | 0.99 | 1.02 | \$52,853 | \$52,298 | \$53,095 | 0.99 | 0.98 |
| Dec 2011 | \$33,483 | \$32,617 | \$32,966 | 0.97 | 0.99 | \$86,336 | \$84,915 | \$86,061 | 0.98 | 0.99 |
| Jan 2012 | \$22,623 | \$21,625 | \$18,175 | 0.96 | 1.19 | \$108,959 | \$106,540 | \$104,236 | 0.98 | 1.02 |
| Feb 2012 | \$24,324 | \$22,722 | \$24,948 | 0.93 | 0.91 | \$133,283 | \$129,262 | \$129,184 | 0.97 | 1.00 |
| Mar 2012 | \$20,303 | \$20,247 | \$22,686 | 1.00 | 0.89 | \$153,586 | \$149,509 | \$151,870 | 0.97 | 0.98 |
| Apr 2012 | \$22,617 | \$22,465 | \$21,727 | 0.99 | 1.03 | \$176,203 | \$171,974 | \$173,597 | 0.98 | 0.99 |
| May 2012 | \$22,630 | \$21,299 | \$20,561 | 0.94 | 1.04 | \$198,833 | \$193,273 | \$194,158 | 0.97 | 1.00 |
| Jun 2012 | \$30,278 | | | 0.00 | | \$229,110 | | | 0.00 | |
| Jul 2012 | \$21,207 | | | 0.00 | | \$250,317 | | | 0.00 | |
| Aug 2012 | \$22,094 | | | 0.00 | | \$272,410 | | | 0.00 | |
| Sep 2012 | \$20,378 | | | 0.00 | | \$292,788 | | | 0.00 | |

PTD \$3,529,685 \$3,535,263 \$3,542,149 1.00 1.00

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* (see issues below) |
| D-00A-13 | Complete Installation of Pretreatment Feed Separation Vessels | 12/31/2015 | On-going* (see issues below) |
| D-00A-14 | PT Facility Construction Substantially Complete | 12/31/2017 | On-going* (see issues below) |
| D-00A-15 | Start PT Facility Cold Commissioning | 12/31/2018 | On-going* (see issues below) |
| D-00A-16 | PT Facility Hot Commissioning Complete | 12/31/2019 | On-going* (see issues below) |

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. Through May 2012, the PT Facility was 53 percent complete overall, with engineering design 79 percent complete, procurement 52 percent complete, construction 42 percent complete, and startup and commissioning 4 percent complete.

Significant Past Accomplishments:

The placement of the Control Building base mat has been put on hold pending resolution of sizing and type of air compressors.

The 7 vessel weld inspections related to the welding issue as part of the Extent of Condition review from the High Level Waste (HLW) vessel RLD-00008 weld discrepancies have been completed. All of the vessels inspected were found to have some weld deficiencies, which are being evaluated. Based on the results, a more extensive inspection plan is being prepared.

The key on-going activities in Pretreatment are related to the resolution of the Pretreatment Vessel Vent Process (PVP) system design, vessel mixing, erosion/corrosion and Hydrogen in Piping and Ancillary Vessels (HPAV) technical issues.

The small scale test report documenting the results to determine realistic entrainment coefficient for the Process Vessel Vent Exhaust (PVV) system will be issued in July 2012. The medium scale test report will be issued in August 2012 after completion of the last test in July. The preliminary results for both the small and medium scale tests are positive.

BNI is actively working to resolve issues regarding vessel material selection and mixing. The erosion/corrosion action plan will be revised in July and a corrosion test scoping document will be issued in December 2012 to address the material selection issue. The NQA-1 Computational Fluid Dynamics (CFD) Verification and Validation (V&V) simulant tests will start after the resolution of DOE/NETL comments on the test plan. Informational testing in preparation for CFD V&V simulant tests will start in mid-July 2012. The construction of the facility to be utilized for the 14 foot vessel testing is progressing well. The draft Trade Study to identify options for the path forward on the non-Newtonian vessels will be completed in August 2012. A revision to the 2010-2 Implementation Plan (IP) is being prepared to address the changes in

strategy, approach and expectations and is planned to be issued to the DNFSB in the last quarter of calendar year 2012. The hydrogen generation rate (HGR) calculations for HLP-22 have been completed. The remaining calculations in support of resolving the HPAV issue are currently planned to complete in November 2012.

Significant Planned Actions in the Next Six Months:

- Issue the final report documenting the results from the entrainment coefficient testing for the PVV system
- Complete Hazards and Operability Analysis (HAZOP) for (PVP) system
- Complete the HPAV HGR rate calculations
- Issue the technical scaling selection basis document.
- Submit the 2010-2 Implementation Plan revision
- Issue the corrosion test scoping document
- Complete the single PJM (pump down) tests for the 8' vessel in support of the V&V of the CFD program
- Issue jumpers phase 2 frame design for hot cell areas 29, 30 and 33

Issues:

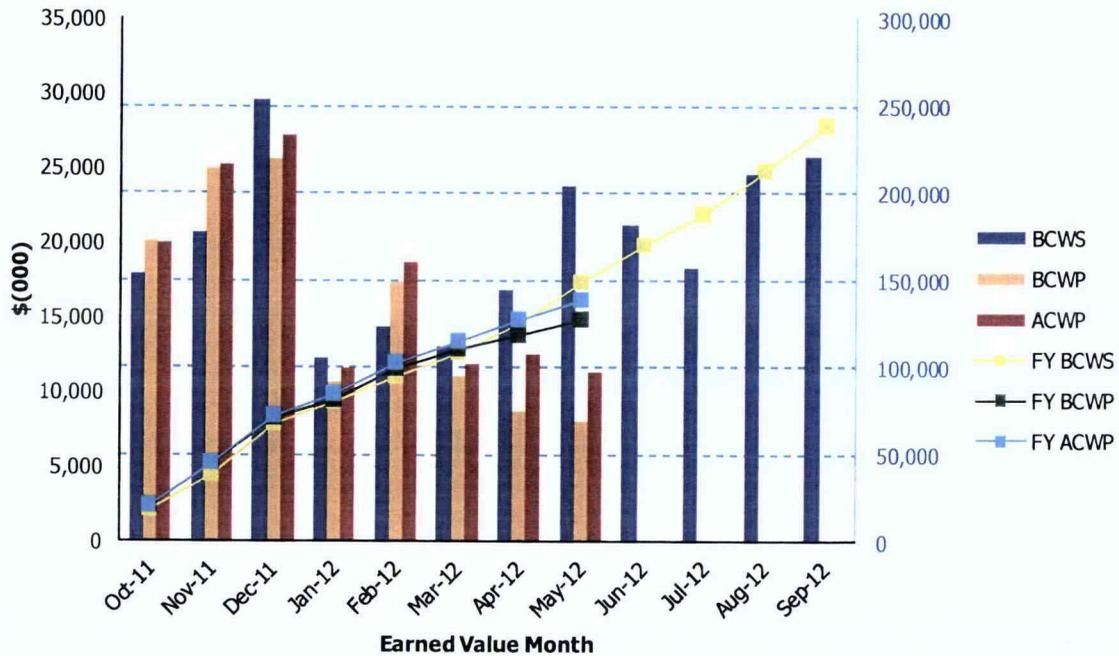
* Other issues have potential impacts on the PT schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF.

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

**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 2011 | \$17,935 | \$20,110 | \$20,000 | 1.12 | 1.01 | \$17,935 | \$20,110 | \$20,000 | 1.12 | 1.01 |
| Nov 2011 | \$20,616 | \$24,945 | \$25,222 | 1.21 | 0.99 | \$38,551 | \$45,055 | \$45,222 | 1.17 | 1.00 |
| Dec 2011 | \$29,580 | \$25,673 | \$27,175 | 0.87 | 0.94 | \$68,131 | \$70,728 | \$72,397 | 1.04 | 0.98 |
| Jan 2012 | \$12,292 | \$10,751 | \$11,583 | 0.87 | 0.93 | \$80,423 | \$81,479 | \$83,980 | 1.01 | 0.97 |
| Feb 2012 | \$14,371 | \$17,367 | \$18,675 | 1.21 | 0.93 | \$94,794 | \$98,846 | \$102,655 | 1.04 | 0.96 |
| Mar 2012 | \$13,101 | \$11,054 | \$11,874 | 0.84 | 0.93 | \$107,895 | \$109,900 | \$114,529 | 1.02 | 0.96 |
| Apr 2012 | \$16,877 | \$8,730 | \$12,488 | 0.52 | 0.70 | \$124,772 | \$118,630 | \$127,017 | 0.95 | 0.93 |
| May 2012 | \$23,773 | \$8,080 | \$11,320 | 0.34 | 0.71 | \$148,545 | \$126,710 | \$138,337 | 0.85 | 0.92 |
| Jun 2012 | \$21,257 | | | 0.00 | | \$169,801 | | | 0.00 | |
| Jul 2012 | \$18,266 | | | 0.00 | | \$188,067 | | | 0.00 | |
| Aug 2012 | \$24,560 | | | 0.00 | | \$212,627 | | | 0.00 | |
| Sep 2012 | \$25,838 | | | 0.00 | | \$238,465 | | | 0.00 | |
| PTD | \$1,391,718 | \$1,376,209 | \$1,358,950 | 0.99 | 1.01 | | | | | |

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 | On-going |
| D-00A-02 | HLW Facility Construction Substantially Complete | 12/31/2016 | On-going* (see issues below) |
| D-00A-03 | Start HLW Facility Cold Commissioning | 6/30/2018 | On-going* (see issues below) |
| D-00A-04 | HLW Facility Hot Commissioning Complete | 12/31/2019 | On-going* (see issues below) |

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. The HLW Facility is 59 percent complete overall, with engineering design 86 percent complete, procurement 76 percent complete, construction 41 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

Excellent progress is being made on completion of the Consent Decree Milestone (D-00A-21) "Complete Construction of Structural Steel to 37' in HLW Facility." The current forecasted construction completion date is early October 2012 and the consent decree compliance date is December 31, 2012. All of the materials to complete this milestone have been delivered and are on site. The remaining steel erection consists primarily of 20 beams in the Filter Cave and 4 beams in the Rinse Tunnel. Prior to setting this steel, work at lower elevations is proceeding in order to utilize efficiencies gained by being able to lift materials in through the roof.

The installation of the remote-operated dampers in the filter cave has been completed, and the structural steel which supports the 14ft steel deck is also complete. The steel decking installation has commenced and good progress is being made.

The seismic rails for the decontamination rinse bogie have been set. The Dangerous Waste Permit change notification has been approved so that the rinse bogie can be installed. The rinse bogie and decontamination vessel have been installed in the canister rinse tunnel. The rails will be installed following the setting of the decontamination rinse bogie for final alignment.

75% of the concrete has been poured in the facility with 58ft elevation walls continuing and a majority of the 37ft slabs complete.

The melter transport trolley was received by HLW. This trolley will be used to remove and replace the melters.

Fabrication of Plant Wash and Drain Vessel (RLD-VSL-08) in England was completed; and it was delivered to the Mid-Columbia Engineering Facility in April for further inspection prior to being received and accepted by Bechtel. The project completed factory acceptance testing on Thermal Catalytic Oxidizers (TCO) which are being fabricated in Colorado. The TCOs are scheduled for delivery to the site in August.

Significant Planned Actions in the Next Six Months:

- Complete 37' structural steel
- Receive Thermal Catalytic Oxidizers
- Receive Plant Wash and Drains Vessel (RLD-VSL-8)
- Receive Acidic Waste Vessel (RLD-VSL-7)
- Receive Primary Off-gas Vessel HEME Vessel

Issues:

* Various issues may have potential impacts on the HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the HLW.

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

**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 2011 | \$9,953 | \$10,437 | \$10,368 | 1.05 | 1.01 | \$9,953 | \$10,437 | \$10,368 | 1.05 | 1.01 |
| Nov 2011 | \$10,920 | \$11,224 | \$11,295 | 1.03 | 0.99 | \$20,873 | \$21,661 | \$21,663 | 1.04 | 1.00 |
| Dec 2011 | \$15,209 | \$14,578 | \$14,472 | 0.96 | 1.01 | \$36,082 | \$36,239 | \$36,135 | 1.00 | 1.00 |
| Jan 2012 | \$9,878 | \$6,187 | \$6,142 | 0.63 | 1.01 | \$45,960 | \$42,426 | \$42,277 | 0.92 | 1.00 |
| Feb 2012 | \$9,383 | \$8,807 | \$8,891 | 0.94 | 0.99 | \$55,343 | \$51,233 | \$51,168 | 0.93 | 1.00 |
| Mar 2012 | \$7,900 | \$7,901 | \$8,221 | 1.00 | 0.96 | \$63,243 | \$59,134 | \$59,389 | 0.94 | 1.00 |
| Apr 2012 | \$7,652 | \$5,055 | \$5,676 | 0.66 | 0.89 | \$70,895 | \$64,189 | \$65,065 | 0.91 | 0.99 |
| May 2012 | \$10,364 | \$4,150 | \$4,849 | 0.40 | 0.86 | \$81,259 | \$68,339 | \$69,914 | 0.84 | 0.98 |
| Jun 2012 | \$12,635 | | | 0.00 | | \$93,894 | | | 0.00 | |
| Jul 2012 | \$15,787 | | | 0.00 | | \$109,681 | | | 0.00 | |
| Aug 2012 | \$9,818 | | | 0.00 | | \$119,499 | | | 0.00 | |
| Sep 2012 | \$10,133 | | | 0.00 | | \$129,632 | | | 0.00 | |
| PTD | \$910,752 | \$899,965 | \$894,972 | 0.99 | 1.01 | | | | | |

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. The LAW Facility is 68 percent complete overall, with engineering design 84 percent complete, procurement 88 percent complete, construction 70 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

Electrical systems design continues in support of all equipment, controls, and lighting throughout the facility. For example, control logic diagrams were updated for the LAW Primary Off-Gas Processing (LOP), Radioactive Liquid Waste Disposal (RLD), and Stack Discharge Monitoring (SDJ) systems. Also, control logic diagrams were issued for the LAW Container Finishing Handling (LFH) and LAW Secondary Off-Gas/Vessel Vent Process (LVP) systems. Functional diagrams were issued for the LAW Container Export Handling (LEH), Container Receipt Handling (LRH), Container Pour Handling (LPH), and Mechanical Handling Control (MHJ) systems. Sequential functional charts were issued for the LFH system. Instrument data sheets were updated for the LAW Concentrate Receipt Process (LCP), LAW Melter Process (LMP), and LAW Melter Feed Process (LFP) systems and issued for the LPH system. The system design document for the C1 Ventilation (C1V) system was issued. New configuration data indices were issued for the Breathing Service Air (BSA), Demineralized Water (DIW), Domestic (potable) Water (DOW), Instrument Service Air (ISA), Miscellaneous Gases (MXG), and Plant Service Air (PSA) systems.

Equipment qualification data sheets for LVP system preheaters were issued. Equipment anchorage plans for the annex building were issued including schedule drawings. Piping isometric drawings for the LAW Chilled Water (CHW), Steam Condensate Water (SCW), RLD, ISA, and LCP systems were issued. Piping support drawings were issued for the LAW LCP systems. Piping support drawings were issued for the ISA, Non-Radioactive Liquid Waste Disposal (NLD), LCP and chilled water systems. The structural steel level plates plan at elevation +3 for pour caves # 1 and # 2 was issued. Public review of the LAW-027 permit package for the LVP Carbon Bed Adsorber and the LAW-026B permit package for the LVP HEPA Housings began June 4, 2012.

Procurement activities for the LAW facility are currently focused on the LVP system components. Engineering review of vendor calculations and vendor interactions continued as a major emphasis during the ongoing procurement of LVP system components. Medium Voltage Electrical (MVE) input/output remote enclosures were received for elevation +3'.

The primary areas of construction focus continued to be LAW facility partition wall installation and equipment installation for the Container Finishing Handling (LFH) system. Installation of the decontamination manipulators, finishing line dual-rail hoists, and the trolley/bogie cars for the LFH system continued.

Construction activities were initiated to install pour cave steel plates in the melter bays at elevation +3'. Other on-going construction activities included installation of drywall on stairs, installation of mobile air-filtration units outside melter bays to support the melter refractory subcontractor, and installation of MVE equipment.

Installation activities were completed for C2 ventilation (C2V) system air-handling unit plenum and Carbon Bed Adsorber Monorail at elevation +48. Alignment of LMP system pumps #1 through #4 at elevation +3 were completed and partition wall coatings for room L-0309. Commercial grade dedication testing of Wet Electrostatic Precipitator (WESP) internals was also completed.

Comments were resolved for software functional requirements for the following systems:

- LAW Container Pour Handling System (LPH)
- Radioactive Liquid Waste Disposal System (RLD)
- LAW Primary Off-gas Process System (LOP)
- LAW Container Finishing Handling System (LFH)

Significant Planned Actions in the Next Six Months:

- Complete installation of melter power supplies
- Complete installation of Auto Sampling (ASX) system
- Receive HEPA Pre-heaters for LVP system
- Receive HEPA Housings for LVP system
- Receive Thermal Catalytic Oxidizer (TCO) for LVP system

Issues:

No major issues at this time.

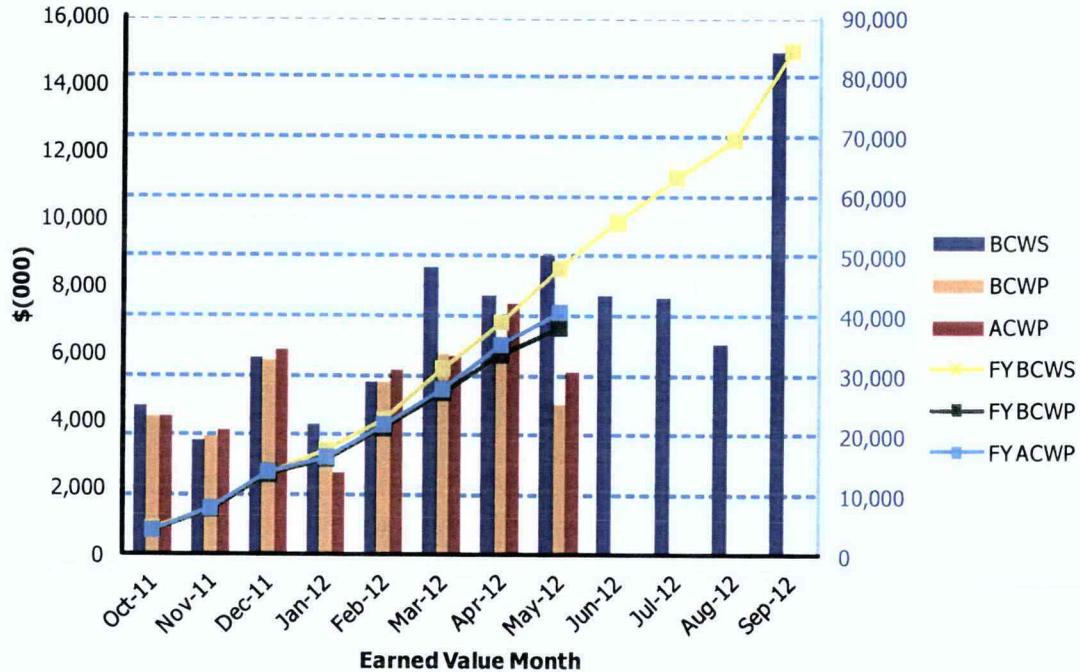
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

**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 2011 | \$4,415 | \$4,115 | \$4,104 | 0.93 | 1.00 | \$4,415 | \$4,115 | \$4,104 | 0.93 | 1.00 |
| Nov 2011 | \$3,404 | \$3,510 | \$3,704 | 1.03 | 0.95 | \$7,819 | \$7,625 | \$7,808 | 0.98 | 0.98 |
| Dec 2011 | \$5,827 | \$5,807 | \$6,123 | 1.00 | 0.95 | \$13,646 | \$13,432 | \$13,931 | 0.98 | 0.96 |
| Jan 2012 | \$3,886 | \$2,617 | \$2,412 | 0.67 | 1.08 | \$17,532 | \$16,049 | \$16,343 | 0.92 | 0.98 |
| Feb 2012 | \$5,140 | \$5,117 | \$5,472 | 1.00 | 0.94 | \$22,672 | \$21,166 | \$21,815 | 0.93 | 0.97 |
| Mar 2012 | \$8,531 | \$5,960 | \$5,900 | 0.70 | 1.01 | \$31,203 | \$27,126 | \$27,715 | 0.87 | 0.98 |
| Apr 2012 | \$7,735 | \$6,351 | \$7,469 | 0.82 | 0.85 | \$38,938 | \$33,477 | \$35,184 | 0.86 | 0.95 |
| May 2012 | \$8,906 | \$4,481 | \$5,425 | 0.50 | 0.83 | \$47,844 | \$37,958 | \$40,609 | 0.79 | 0.93 |
| Jun 2012 | \$7,718 | | | 0.00 | | \$55,562 | | | 0.00 | |
| Jul 2012 | \$7,638 | | | 0.00 | | \$63,200 | | | 0.00 | |
| Aug 2012 | \$6,263 | | | 0.00 | | \$69,462 | | | 0.00 | |
| Sep 2012 | \$14,932 | | | 0.00 | | \$84,395 | | | 0.00 | |
| PTD | \$684,428 | \$675,220 | \$723,145 | 0.99 | 0.93 | | | | | |

BALANCE OF FACILITIES (BOF)

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

The Balance of Facilities (BOF) provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. The BOF is 49 percent complete overall, with engineering design 73 percent complete, procurement 48 percent complete, construction 64 percent complete, and startup and commissioning is 9 percent complete.

Significant Past Accomplishments:

Oversight efforts are focused on identification of individual facility requirements within BOF to support facility completion and turnover to the startup organization. As necessary to support facility completion, the WTP contractor initiates a weekly or bi-weekly meeting approximately 12 months prior to the scheduled turnover date. The meetings focus on schedule reviews and punch list development for the remaining construction activities. Regular meetings are currently being held for the WTP site switchgear buildings (87 and 91), Chiller Compressor Plant (CCP), and a meeting is currently being established for the Non-radioactive non-dangerous Liquid Drains (NLD) facility.

Recent accomplishments for the BOF team are:

- Completed 8 week walk down for WTP switchgear building 87
- Began issuing system flushing sketches for the Plant Service Air (PSA) system and the Plant Cooling Water (CHW) system.
- Began excavation for the Potable Water (DOW) tie-in at the PTF and the Sanitary Disposal system (SND) tie-in between the LAB and LAW facilities.
- Began installing structural steel for pipe rack connection from the LAB to the LAW facility
- Continued installing PSA system piping in the Glass Former Storage Facility
- Continued installation of pressure safety valves in the CHW and PSA systems for the CCP

Significant Planned Actions in the Next Six Months:

- Complete construction of cooling tower
- Complete construction of BOF switchgear building
- Install structural steel for anhydrous ammonia facility
- Turnover WTP Switchgear (Bldg 87) from construction to the startup organization

Issues:

No major issues.

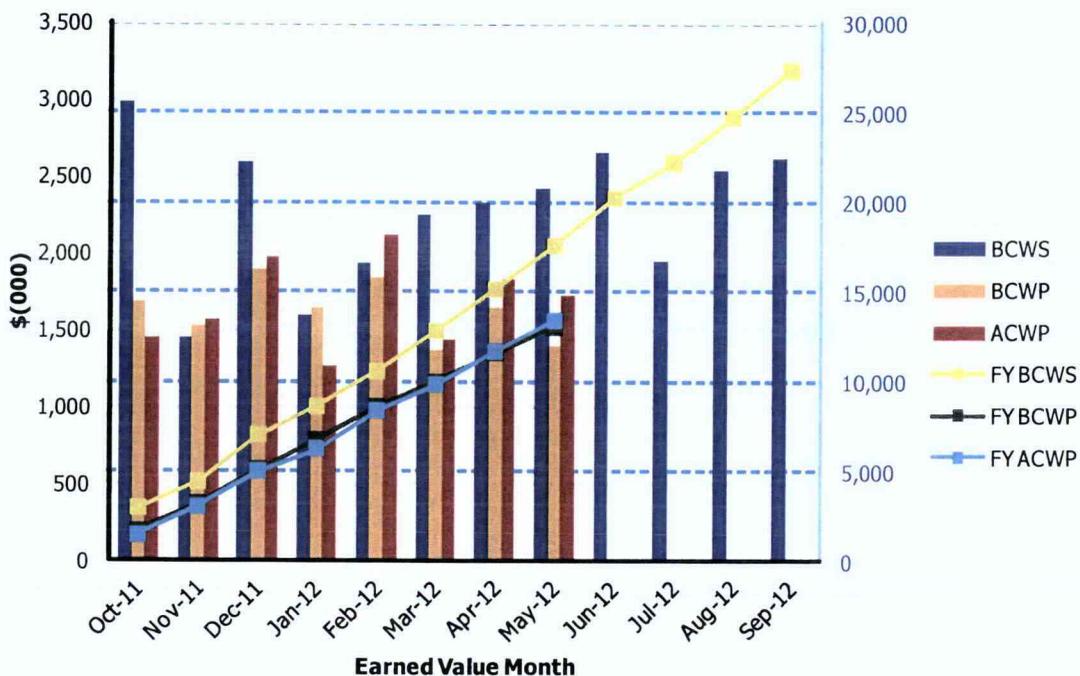
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

**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 2011 | \$2,980 | \$1,685 | \$1,454 | 0.57 | 1.16 | \$2,980 | \$1,685 | \$1,454 | 0.57 | 1.16 |
| Nov 2011 | \$1,455 | \$1,524 | \$1,564 | 1.05 | 0.97 | \$4,435 | \$3,209 | \$3,018 | 0.72 | 1.06 |
| Dec 2011 | \$2,594 | \$1,895 | \$1,981 | 0.73 | 0.96 | \$7,029 | \$5,104 | \$4,999 | 0.73 | 1.02 |
| Jan 2012 | \$1,597 | \$1,652 | \$1,262 | 1.03 | 1.31 | \$8,626 | \$6,756 | \$6,261 | 0.78 | 1.08 |
| Feb 2012 | \$1,939 | \$1,841 | \$2,123 | 0.95 | 0.87 | \$10,565 | \$8,597 | \$8,384 | 0.81 | 1.03 |
| Mar 2012 | \$2,248 | \$1,376 | \$1,444 | 0.61 | 0.95 | \$12,813 | \$9,973 | \$9,828 | 0.78 | 1.01 |
| Apr 2012 | \$2,331 | \$1,651 | \$1,835 | 0.71 | 0.90 | \$15,144 | \$11,624 | \$11,663 | 0.77 | 1.00 |
| May 2012 | \$2,421 | \$1,399 | \$1,725 | 0.58 | 0.81 | \$17,565 | \$13,023 | \$13,388 | 0.74 | 0.97 |
| Jun 2012 | \$2,656 | | | 0.00 | | \$20,221 | | | 0.00 | |
| Jul 2012 | \$1,950 | | | 0.00 | | \$22,171 | | | 0.00 | |
| Aug 2012 | \$2,533 | | | 0.00 | | \$24,704 | | | 0.00 | |
| Sep 2012 | \$2,615 | | | 0.00 | | \$27,319 | | | 0.00 | |
| PTD | \$271,408 | \$265,135 | \$262,445 | 0.98 | 1.01 | | | | | |

ANALYTICAL LABORATORY

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

The Analytical Laboratory (LAB) will support WTP operations by analyzing feed, vitrified waste, and effluent streams. The LAB is 53 percent complete overall, with engineering design 79 percent complete, procurement 76 percent complete, construction 82 percent complete, and startup and commissioning is 10 percent complete.

Significant Past Accomplishments:

The LAB team continued to focus on the LAB Construction Substantially Complete milestone. Weekly meetings are held to evaluate construction progress and challenges that arise. Major structures of the building are in place including the interior partition walls which segregate the various analytical stations for LAW sample analysis. Within the individual analytical areas, detail/finishing work continues with emphasis on the installation of commodities to support laboratory cabinets and analytical equipment. Recent accomplishments for the LAB team are listed below:

- Began installing shower/eyewash stations throughout the facility
- Began testing of the Chill Water system
- Continuing RLD system installation in the southeast corner of the facility
- Continued installing hotcell lighting receptacles

Significant Planned Actions in the Next Six Months:

- Complete mechanical installation of Autosampling System
- Set pumps in C5 pit
- Install Hot Cell import/export motors
- Progress Analytical Laboratory Construction to “Substantially Complete”

Issues:

The LAB schedule was recently affected by an issue concerning valve internals. There is the potential that as many as 275 valves could have had their internal components damaged due to excessive temperatures caused by welding during installation. BNI plans to examine 65 of the valves and base the recovery plan upon the inspection results. While this will delay the LAB Substantially Complete Milestone forecasted construction completion date, there is currently no impact to the TPA milestone or contract milestone completion dates.

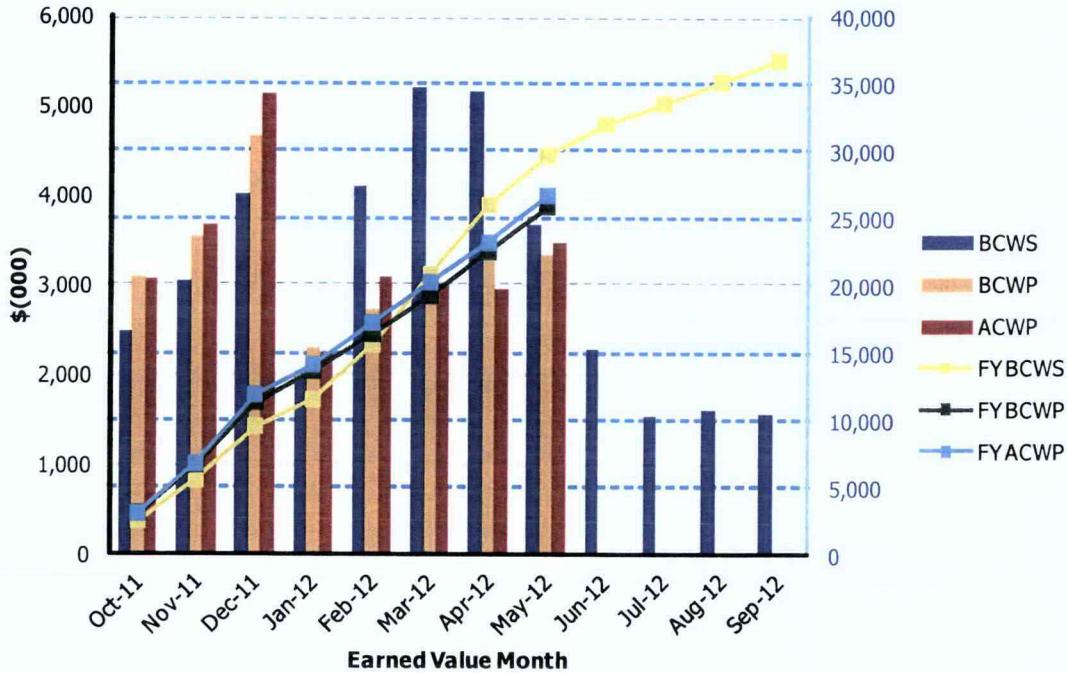
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: May 2012

**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 2011 | \$2,489 | \$3,092 | \$3,063 | 1.24 | 1.01 | \$2,489 | \$3,092 | \$3,063 | 1.24 | 1.01 |
| Nov 2011 | \$3,040 | \$3,551 | \$3,680 | 1.17 | 0.96 | \$5,529 | \$6,643 | \$6,743 | 1.20 | 0.99 |
| Dec 2011 | \$4,005 | \$4,676 | \$5,128 | 1.17 | 0.91 | \$9,534 | \$11,319 | \$11,871 | 1.19 | 0.95 |
| Jan 2012 | \$1,970 | \$2,318 | \$2,242 | 1.18 | 1.03 | \$11,504 | \$13,637 | \$14,113 | 1.19 | 0.97 |
| Feb 2012 | \$4,113 | \$2,725 | \$3,091 | 0.66 | 0.88 | \$15,617 | \$16,362 | \$17,204 | 1.05 | 0.95 |
| Mar 2012 | \$5,203 | \$2,860 | \$3,036 | 0.55 | 0.94 | \$20,820 | \$19,222 | \$20,240 | 0.92 | 0.95 |
| Apr 2012 | \$5,167 | \$3,265 | \$2,954 | 0.63 | 1.11 | \$25,987 | \$22,487 | \$23,194 | 0.87 | 0.97 |
| May 2012 | \$3,685 | \$3,349 | \$3,486 | 0.91 | 0.96 | \$29,672 | \$25,836 | \$26,680 | 0.87 | 0.97 |
| Jun 2012 | \$2,292 | | | 0.00 | | \$31,963 | | | 0.00 | |
| Jul 2012 | \$1,540 | | | 0.00 | | \$33,503 | | | 0.00 | |
| Aug 2012 | \$1,612 | | | 0.00 | | \$35,115 | | | 0.00 | |
| Sep 2012 | \$1,572 | | | 0.00 | | \$36,687 | | | 0.00 | |
| PTD | \$199,474 | \$194,305 | \$207,449 | 0.97 | 0.94 | | | | | |

| Waste Treatment Plant Project - Percent Complete Status Through May 2012 | | | | | | | | | | | | | | | |
|---|---|--|------------|--|--|------------|--|--|------------|--|--|------------|--|--|------------|
| (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 | 993.4 | 675.2 | 68% | 250.8 | 210.4 | 84% | 242.1 | 212.8 | 88% | 350.3 | 245.3 | 70% | 150.3 | 6.7 | 4% |
| Low-Activity Waste | 360.3 | 194.3 | 54% | 57.9 | 45.6 | 79% | 56.2 | 42.8 | 76% | 109.6 | 91.4 | 83% | 136.6 | 13.7 | 10% |
| Analytical Lab | 538.6 | 265.1 | 49% | 89.0 | 65.0 | 73% | 81.4 | 39.3 | 48% | 231.5 | 148.6 | 64% | 136.7 | 12.2 | 9% |
| Balance of Facilities | 1,516.3 | 900.0 | 59% | 355.9 | 307.0 | 86% | 458.2 | 347.1 | 76% | 582.3 | 241.1 | 41% | 120.0 | 4.8 | 4% |
| High-Level Waste | 2,588.5 | 1,376.2 | 53% | 774.0 | 613.9 | 79% | 713.5 | 370.1 | 52% | 914.6 | 385.2 | 42% | 186.4 | 7.0 | 4% |
| Pretreatment | 4,720.2 | 3,535.3 | 75% | 1,005.1 | 920.3 | 92% | 471.7 | 400.2 | 85% | 1,432.9 | 1,116.8 | 78% | 455.9 | 133.6 | 29% |
| Shared Services | 10,717.3 | 6,946.1 | 65% | 2,532.6 | 2,162.3 | 85% | 2,023.2 | 1,412.3 | 70% | 3,621.1 | 2,228.4 | 62% | 1,185.8 | 178.0 | 15% |
| Total WTP w/o UB | 0.0 | n/a | n/a | n/a | n/a | n/a |
| Undistributed Budget | 10,717.3 | 6,946.1 | 65% | 2,532.6 | 2,162.3 | 85% | 2,023.2 | 1,412.3 | 70% | 3,621.1 | 2,228.4 | 62% | 1,185.8 | 178.0 | 15% |
| Total WTP | | | | | | | | | | | | | | | |

Source: Preliminary WTP Contract Performance Report - Format 1, Data for May 2012

Note: Starting with the June 2009 report, facility construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase 1 of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values. In July 2010 the allocation of 1.90 to the facilities was removed to show true facility percent complete. This report does not show the LOE budgets that are not associated with a specific EPCC function; these include, Finance, Project Management, etc. but are included in the total Overall Facility Percent Complete for Shared Service.

WORKING ORP Key Documents List For July 2012

| 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 to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C | M-045-60 | Change Notice 2011-7 for the Phase 2 RFI/CMS Work Plan for WMA C, RPP-PLAN-39114, Rev. 1B | | | | 06/06/12 | C. Kemp | S. Eberlein | J. Lyon | • Change Notice 2011-7 for the RFI/CMS Work Plan agreed upon by ORP and ECY and posted to the TPA Admin Record. |
| | M-045-60 | Change Notice 2011-6 for the SAP for Phase 2 Characterization of Vadose Zone Soil in WMA C, RPP-PLAN-3877, Rev. 2A | | | | 06/06/12 | C. Kemp | S. Eberlein | J. Lyon | • Change Notice 2011-6 for the SAP agreed upon by ORP and ECY and posted to the TPA Admin Record. |
| 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 Characterization Summary 2011 | | TBD | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans • ORP met with ECY on 09/22/11 to provide status and setup meeting to discuss path forward. |
| | Supports M-045-61 | WMA C Characterization Summary 2012 | | 09/30/12 | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| | | WMA C PA Initial Model Run Data Package | | 06/30/13 | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| | | WMA C Characterization Summary 2013 | | 09/30/13 | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| | | WMA C PA Initial Document | | 09/30/13 | | | C. Kemp | S. Eberlein | J. Lyon | • Feeds input for M-045-61 and all Closure Plans |
| M-045-61 | Phase 2 RFI/CMS Report for WMA C | 12/31/14 | 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 | |
| Complete portions of the C-200 Closure Demonstration Plan necessary to complete closure plan development for the SST system. | M-045-80 | Description of Radioactive Waste Determination Process | 01/31/11 | 12/28/10 | 06/30/11 | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • Initial ORP letter, 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11. • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11. • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11. • 3rd ECY review extension letter 11-NWP-049 received by ORP on 06/02/11. • ECY RCR received by ORP on 12/05/11 via letter 11-NWP-146. • Extension for comment resolution to 03/15/12 per 01/12 PMM. • ORP provided copies of the draft RPP-PLAN-47325 redline/strikeout revision in response to ECY's comments via email on 03/15/12. • Per 03/27/12 PMM, ECY has agreed to respond within 30 days (04/27/12). • Per the 04/24/12 PMM, ECY has agreed to provide a response to ORP by the end of May. • ORP will provide a final production of the WIR document after ECY approves the final updates. • The final document was released to the TPA AR on 07/18/12. |

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

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

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

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

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

**WORKING ORP Key Documents List
For July 2012**

| 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 |
|---|--|---|---|--|--|------------------------------------|--------------|-----------------|--------------|--|
| Implement and Complete All Remaining Activities in the June 6, 2007 C-200 Closure Demonstration Plan (with any revisions as agreed to by Ecology and DOE). | Supports M-045-81 (S) | Pipeline Feasibility Study, RPP-RPT-45723 | | 12/28/10 | 06/01/11 | 07/02/12 | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • Feeds input to M-045-81. • Initial ORP letter 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11. • ECY RCR letter 11-NWP-052 received by ORP on 06/03/11. • ORP sent comment response extension letter 11-TF-067 on 06/16/11 to ECY to extend final response date to 09/25/11. • In October 2011 PMM ECY/ORP agreed to extension to 12/05/11. • Extension for comment resolution to 03/15/12 per 01/12 PMM. • ORP provided a disc containing files for the RCRs, the revised report, and two new cost appendices to ECY via email on 03/15/12. • ECY and ORP agree (per 04/24/12 PMM) to meet in May to discuss comment resolution and extend the final resolution to the end of June. • ORP and ECY aim to reach final resolution and release the revised document in July. • The final document was released to the TPA AR on 07/02/12. |
| | M-045-81 | Other Closure Demonstration Deliverables | 09/30/14 | | | | C. Kemp | S. Eberlein | J. Lyon | |
| M-45-91 Interim Milestones and Target Dates for SSTs Implementing the Expert Panel's Recommendations (created via TPA Change Request CR M-45-10-01, approved on 01/03/2011) | M-045-91F-T01 | Provide Report of the Liquid Leak Rate Assessments | 01/31/13 | 01/31/13 | | | 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. |
| | 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 | |
| | 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 | |
| | 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 | |
| | M-045-91F | Provide Summary Conclusions Report on Leak Integrity | 12/31/13 | 12/31/13 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91G | Provide Summary Conclusions Report of AOR for SSTs | 04/30/14 | 04/30/14 | | | J. Johnson | R. Gregory | J. Lyon | |
| | 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 | | |

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

**WORKING ORP Key Documents List
For July 2012**

| 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 |
|--|---------------|--|---|--|--|------------------------------------|--------------|-----------------|--------------|---|
| Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier. | M-045-92O | Future Barrier Design 3 | 06/30/15 | 06/30/15 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/15 dependent on discussions per M-045-22. |
| | M-045-92P | Future Barrier Design 4 | 06/30/16 | 06/30/16 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/16 dependent on discussions per M-045-22. |
| Submit to Ecology as an Agreement Primary Document a report on all Catch Tanks and associated pipelines that are identified in the SST System Part A, or otherwise used in operations. | M-045-101 (P) | SST System Component Identification and Proposed Closure Strategy (RPP-PLAN-41977) | 12/27/10 | 12/28/10 | 05/30/11 | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> Initial ORP letter 10-TPD-176 sent to ECY on 12/28/10 ECY letter for extension to 04/18/11 received by ORP on 02/11/11 ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11. ECY RCR letter 11-NWP-052 received by ORP on 06/02/11. ORP sent comment response extension letter 11-TF-067 on 06/16/11 to ECY to extend final response date to 08/31/11. In October 2011 PMM ECY/ORP agreed to extension to 12/05/11. Comments to RCR and redline provided to ECY on 11/14/11. Extension for comment resolution to 03/15/12 per 01/12 PMM. ECY and ORP agree (per 04/24/12 PMM) to meet in May 2012 to discuss comment resolution and extend the final resolution to the end of June. ORP and ECY have reached final resolution and extended the due date to 07/31/12 to incorporate final changes. |
| 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 | |
| Technology Selection Report | M-062-45-ZZ | Technologies Selection Report | 04/30/15 | 04/30/15 | | | 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 | |

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**WORKING ORP Key Documents List
For July 2012**

| 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 | 06/30/13 | | | 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 120-day post EIS |
| | Tier 3 Closure Plans for Additional Tanks | TBD | | | 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 |
| | Supplemental Treatment Technology Notice of Construction | 09/30/13 | | | L. Huffman | F. Miera | J. Lyon | |
| | Submit Part B Permit Application for Selected Supplemental Treatment Technology | 09/30/13 | | | L. Huffman | F. Miera | J. Lyon | |
| | Wiped Film Evaporator Notice of Construction | 09/30/14 | | | L. Huffman | F. Miera | J. Lyon | |
| | Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application | 09/30/14 | | | L. Huffman | F. Miera | J. Lyon | |
| MISCELLANEOUS DOCUMENTS | IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC) | 09/30/12 | | | T. Fletcher | F. Miera | J. Lyon | |
| | Submit Categorical TOC HIA | TBD | | | | F. Miera | J. Lyon | |
| MISCELLANEOUS DOCUMENTS | Quarterly Hose-In-Hose Transfer Lines (HIHTL) Reports | Ongoing Quarterly | | | J. Johnson | | J. Lyon | • Back-reports submitted via email to ECY, formal letter 11-TPD-024 transmitted back reports to ECY on 03/29/11 • Meeting to evaluate extension of 2 HIHTL Reports held 05/25/11. |
| | TWRWP DOCUMENTS | Please see ORP Consent Decree Monthly Summary Report for Tank Waste Retrieval Work Plan Status Table, Accomplishments, and Issues. | | | | | | |

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."

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ORP Project Managers Meeting
July 24, 2012
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Agenda Including Items Submitted to Administrative Record

(2 pages including this coversheet)

ORP TPA July Project Managers' Monthly Meeting
Tuesday, July 24, 2012
2440 Stevens Center Richland, Washington
Room 1200, 9:00AM-12:00PM

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 |
|--|----------------------------|-------------------------------------|
| June 2012 ORP CD Monthly Report | All | 1215043 |
| June 2012 ORP TPA Monthly Report | All | 1215044 |
| Change Notice 2011-7 for the Phase 2 RFI/CMS Work Plan for WMA C, RPP-PLAN-39114, Rev. 1B | M-045-60 | 1215065 |
| Change Notice 2011-6 for the SAP for Phase 2 Characterization of Vadose Zone Soil in WMA C, RPP-PLAN-3877, Rev. 2A | M-045-60 | 1215064 |
| SST WMA C Pipeline Feasibility Evaluation, RPP-PLAN-47559, Rev. 1 | M-045-81 | 1215338 |
| Radioactive Waste Determination Process for WMA C Residuals, RPP-PLAN-47325, Rev. 1 | M-045-80 | 1215435 |

2.0 Review of the ORP Project Summary

3.0 Agreements, Issues, Actions

4.0 Key Documents List

Upcoming Meetings

- The Dry-Run for the August ORP TPA Quarterly Meeting is scheduled for Tuesday, August 14, 2012 at ORP in room 1200 from 9:00AM-12:00PM.
- The August ORP TPA Quarterly Meeting is scheduled for Thursday, August 16, 2012 at Ecology.

*** Please note that page 10 of the Final July 2012 Consent Decree Monthly Report contains the wrong chart, this chart has been handed out in the 07-24-12 PMM will be updated for the report to be entered into the TPA Administrative Record.***