

**Office of River Protection  
Tri-Party Agreement Milestone Review  
Meeting Minutes  
May 17, 2012**

Approval: Jane A. Hedges by John B. Pri Date: June 18, 2012  
**J.A. Hedges**  
*Ecology IAMIT Representative*

Approval: [Signature] Date: 6/25/12  
**T.W. Fletcher**  
*DOE IAMIT Representative*

Approval: [Signature] Date: 19 Jun 2012  
**D.A. Faulk**  
*EPA IAMIT Representative*

Minutes Prepared by: [Signature] Date: 6/25/2012  
**T.W. Noland**  
*Mission Support Alliance*

|                   |         |                       |         |
|-------------------|---------|-----------------------|---------|
| Abdul, W.         | ORP     | Knox, K.E.*           | KCR     |
| Barnes, M.W.*     | Ecology | Luke, J.J.            | WRPS    |
| Biyani, R. K.     | Ecology | Lynch, J.J.*          | ORP     |
| Bohnee, G.        | NPT     | Lyon, J.J.*           | Ecology |
| Caggiano, J.A.*   | Ecology | Mattlin, E.M.         | ORP     |
| Charboneau, S.L.  | ORP     | McDonald, D.*         | Ecology |
| Cimon, S.*        | ODE     | Nazarali, A.          | CTUIR   |
| Dahl, S.L.        | Ecology | Niles, K.             | OOE     |
| Diediker, J.A.*   | ORP     | Noland, T.W.*         | MSA     |
| Donnelly J.W.     | WRPS    | Noyes, D.L.*          | ORP     |
| Dowell, J.A.      | RL      | Olsen, G.B.           | ORP     |
| Eberlein, S.J.    | WRPS    | Peloquin, M.G.*       | WRPS    |
| Einan, D.R.*      | EPA     | Pfaff, S.H.*          | ORP     |
| Faulk, D.A.       | EPA     | Piippo, R.E.*         | MSA     |
| Fletcher, T.W.    | ORP     | Price, J.B.           | Ecology |
| Gadbois, L.E.     | EPA     | Russell, R.W.         | ORP     |
| Grindstaff, J.F.* | ORP     | Skinnarland, R.R.     | Ecology |
| Harp, B.J.        | ORP     | Slack, C.L.*          | WRPS    |
| Harrington, C.C.* | ORP     | Smith, D.M.*          | ORP     |
| Harris, S.        | CTUIR   | Teimouri, A.E.        | HQ      |
| Hedges, J.        | Ecology | Trenchard, G.D.       | ORP     |
| Higgins, K.L.     | ORP     | Uziemblo, N.H.        | Ecology |
| Huffman, L.A.     | ORP     | Vanni, J.             | Yakama  |
| Jim, R.           | Yakama  | Whalen, C.L.*         | Ecology |
| Johnson, J.M.     | ORP     | Woody, W.K.*          | ORP     |
| Kaldor, R.A.*     | MSA     | Administrative Record |         |
| Kemp, C.J.*       | ORP     |                       |         |
| Killooy, S.E.*    | WRPS    |                       |         |

\*Attendees

**Office of River Protection  
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**TPA/CD Statistics/Status**

ORP reported that the status of TPA milestone M-047-06 is at risk. A draft Agreement in Principle (AIP) and a draft change package has been submitted to Ecology for review. The status of milestone M-045-92L for the barrier 1 construction is to be missed, and a draft change package has been submitted to Ecology for review. The remaining TPA milestones for FY 2012 and 2013 are on schedule, and the CD milestones for FY12 and 13 are ongoing.

ORP distributed a list of the recent items that have been entered into the Administrative Record (AR). ORP provided an updated agreements, issues and actions list. ORP noted that issue No. 2 was discussed at the project manager level and is under consideration to be elevated to senior management.

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

M-045-60 - ORP reported that Ecology approved the proposed changes to the draft work plan and the sampling analysis plan (SAP) via a May 8, 2012 letter. ORP noted that No. 12 on today's action list itemizes the actions, per Ecology's letter, that ORP needs to complete in support of the work plan and SAP.

M-045-92 - ORP stated that a proposal to exchange an interim barrier for a contaminant removal study at SX farm has been submitted to Ecology.

**M-45-00 Series:**

SST Retrieval and Closure Program TPA - ORP reported that a meeting was held with Ecology this month to discuss the waste determination process plan (WIR document) associated with M-045-80. ORP sent redline strikeout comments from the meeting via email to Ecology yesterday (5/16/12).

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria - ORP reported there was no change in status since last quarter.

C-Farm Critical Path - ORP noted that during the dry run meeting earlier this week a question was asked about the blue bar in the C-Farm critical path schedule. ORP explained that the change since last month and the total float are the critical path float and the change from the last month. The sub-items that are listed below don't necessarily add up to the change from last month. If a sub-item is not critical path, it could slip or gain in schedule but not affect the total

float and the change from last month. Ecology asked which of the eight sub-items under C-101 are on the critical path. ORP will provide a response to Ecology, and noted that in the future, ORP plans to highlight the critical path elements in the handout.

Tank C-101 is in bulk retrieval construction. Two enhanced reach sluicers will be used for retrieval in C-101, and retrieval operations are planned for startup in October 2012. C-102 construction is ongoing. There was some soil contamination detected under riser 2 that went down to the dome that was hotter than anticipated, and shielding was placed in that area. Retrieval in C-102 is planned for startup in November 2012 using two enhanced reach sluicers. For C-104 retrieval, caustic will be added by the first week of June 2012. Retrieval in C-105 will be done with the Mobile Arm Retrieval System (MARS) vacuum system. The 54-inch riser in the C-105 dome is scheduled to be cut in August 2012. An action has been established to meet with Ecology to discuss the method for cutting the 54-inch riser. The meeting with Ecology will be scheduled after ORP meets with the integration team.

Two motor-operated valves in C-107 are planned to be repaired today, and retrieval is planned for startup during the graveyard shift tomorrow. The second retrieval technology has been completed in C-108, and ORP submitted a draft practicability evaluation to Ecology. A meeting is scheduled with Ecology next week to discuss the draft evaluation. Chemical dissolution in C-109 was under way, and the heel pump failed. A spare pump and pump assembly was on hand and will be installed. Chemical dissolution in C-109 is anticipated to be restarted at the end of July 2012. The C-110 retrieval has been pushed into FY13 and will be done with the FoldTrak. Retrieval in C-111 was done by sluicing, and there is a large amount of material to remove from the tank. The Ramen spectrometer was placed in the tank, and the results are being evaluated. The first retrieval technology in C-112 was completed using modified sluicing, and ORP is evaluating what to use for the second retrieval technology.

Tank Retrievals with Individual Milestones - ORP stated there was no change in status since the last quarterly report.

Double Shell Tank Closure - ORP reported no change in status.

242-A Evaporator Status - ORP reported no changes to the evaporator status. Ecology referred to some of the ORP proposed ideas for Waste Treatment Plant (WTP) startup, and asked if consideration has been given to the operation of the evaporator and the potential need for additional DST space. ORP responded that consideration has been given, and the capacity available in the evaporator will have to be analyzed since it hasn't been used very much at this point. An evaluation of which slurry tanks to use will also need to be done. Oregon Department of Energy (ODOE) asked if there would be any potential permitting impacts to starting up the evaporator since no campaigns were run in FY11. ORP responded that there will be no permitting impacts, and noted that there is a DOE order associated with readiness preparation that the evaporator will undergo before startup.

SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B Series - ORP noted that the pace in C Farm has picked up and work is under way on nine tanks this fiscal year. ORP stated that there are no modifications to any of the current Tank Waste Retrieval Work Plans (TWRWPs). Ecology asked how early a TWRWP must be submitted before activities can start in a new tank. ORP responded that a TWRWP is submitted six months before retrieval activities, although sometimes a TWRWP has been submitted and approved by Ecology in less time than six months to start construction activities. Ecology asked when the first activity will start on the next nine tanks and when ORP plans to submit the first TWRWP. ORP responded that work in the field should start in FY13 and FY14 for design and infrastructure improvements. The installation of the retrieval equipment in the tanks should be done in early FY14. ORP noted that the tanks will have airlift circulators in them and a series of sluicers on the 24-inch risers from around the tank, which is a different design than the C Farm tanks. ORP stated that the TWRWPs would need to be submitted to Ecology in FY14, but the TWRWP activity is not currently funded. Ecology requested a meeting with ORP to gain a better understanding of the planning process for the next nine tanks. ORP took an action to schedule a meeting with Ecology to discuss the planning for A/AX tank farm retrievals.

### **SST Integrity Assurance; M-45-91**

M-045-91D-T01 - ORP reported that the dome samples taken from the C-107 plug showed compressive strengths in the concrete between 3,500 and 5,000 psi. ORP noted that the construction specifications for the tanks when they were built were 3,000 psi. ORP stated that the remaining milestones are on schedule.

### **In Tank Characterization and Summary**

Ecology noted the tank C-108 offriser samples for tank component closure, and suggested that the word "closure" should not be used. ORP agreed, stating that the sample should be described as a retrieval data report (RDR) sample.

### **Tank Operations Contract (TOC) Overview**

ORP reported that as of Tuesday (5/15/12), WRPS reached 3.7 million hours without a lost time workday injury. ORP noted the improvement in cost and schedule performance from February 2012 to March 2012. For base operations, it is not anticipated that the unfavorable schedule variance will impact preventive maintenance or corrective maintenance. A baseline change request associated with AW-105 has been approved by ORP for a new corrosion probe design and to defer the fabrication and installation activities to FY13. ORP pointed out the significant improvement in cost performance from February 2012 to March 2012 for the retrieval and closure of the single-shell tanks project. ORP stated that the monthly variance and the schedule variance is not recorded in the summary report because it is within the threshold, noting the positive schedule variance of 112K. ORP noted the favorable cost variance for the waste feed delivery project of 413K.

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

For milestone M-047-00, ORP stated that significant progress has been made in the last quarter towards the goal of generating conceptual design 1 (CD-1) for the Interim Hanford Storage facility and the Secondary Liquid Waste Treatment project. ORP stated that receipt of the CD-1 package for the Interim Hanford Storage facility is anticipated by early July 2012. The CD-1 package for Secondary Waste is anticipated for receipt in September 2012. ORP stated that the integrated project teams for both projects will be involved with reviewing the CD-1 packages. ORP stated a core team for both projects will be maintained throughout FY13 to address comments on the CD-1 packages. Ecology asked about a time frame for the CD-2 package. ORP responded that based on the current budget for FY13, the CD-2 packages would be initiated in FY14 and targeted to be produced in FY15.

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

M-062-40ZZ - ORP stated that the contractor was requested to initiate preparations for the report associated with this milestone. ORP indicated that a briefing to Ecology will be scheduled within six months to provide an outline of the report. ORP added that it will ensure Ecology is involved throughout the process of developing the report.

**M-62-40, System Plan**

ORP reported that it provided WRPS with five scenarios for System Plan 6A. Ecology expressed disappointment that ORP went forward with the five scenarios to WRPS without any Ecology involvement. ORP noted that the TPA agreement is that ORP and Ecology will jointly develop scenarios every three years for the system plan. Ecology agreed that that is the verbiage in the TPA, but noted its understanding that there is an informal working agreement with ORP during the off years for input from Ecology before scenarios are delivered. ORP stated that a meeting will be scheduled with Ecology to clarify and document the informal agreement to ensure it is carried forward.

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

ORP reported that the FTEs are the same as reported last month and have stabilized. No changes are anticipated in the near term with the craft. There are some non-manual actions ongoing, but nothing significant at this time. Rebaselining activities continue, which are due to receiving \$100 million less than requested for FY12. The earned value management system (EVMS) schedule performance index (SPI) and cost performance index (CPI) continue to decline as ORP has been rebaselining. Ecology noted that the asterisks attached to the three Consent Decree (CD) milestones are not followed in the issues in today's summary handout. ORP acknowledged the omission in the issues and stated that it will be corrected.

Significant Past Accomplishments - ORP noted that the aerosol testing for the process vessel vent system (PVV) for the Pretreatment (PT) facility was completed; however, the test data

sample was burned at the lab due to a relay failure and the data was lost. The data was for the mid-scale testing, which is the largest scale test sequence that will be done. The scaling issue can't be conclusively determined without the test data sample, although a data report will be issued. The data available is consistent with the objective and has positive results, but the mid-scale testing will have to be redone. The simulant for the test will have to be procured, and it is anticipated the test will be redone in the June-July 2012 time frame. ORP noted that the government will not bear the cost for redoing the test, and with the reduction of activities in PT, there is no foreseen impact to the schedule.

ORP reported that RLD vessel 8 for High Level Waste (HLW) was delivered to the site, although it has not been received by the contractor. The vessel is still in the possession of the vendor until an issue with the undercut on some of the welds is resolved. ORP noted that the issue with the weld records has been resolved and the specific welds were verified. RLD vessel 7, which is a mirror of RLD-8, is being fabricated in the U.S. and a team was sent out to ensure the same problems were not occurring as occurred with RLD-8.

Significant Planned Actions in the Next Six Months - Test protocols are being developed for activities in support of the verification and validation (V&V) testing for the computational fluid dynamics (CFD) for PT. An expert review team from PNNL will be reviewing the test protocols, and a metal expert has been contracted independent of Bechtel to advise ORP directly on the test protocols. Startup and turnover for part of switchgear building 87 in Balance of Facilities (BOF) will be ongoing in the next few months. ODOE asked about the process of turnover from construction to startup. ORP responded that turnover is basically a three-phased process that starts with component testing by the construction group, turnover to a startup organization within Bechtel that will conduct system testing, and then turnover to an operations group within Bechtel. ORP will have oversight during all three phases, and when the operations phase is initiated, a large external oversight will be involved.

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

ORP noted that construction activities in PT are minimal, due to funding constraints. The outcome from the rebaselining activities and resulting impacts to PT are unknown at this time. The main effort is tied to engineering design and resolution of technical issues associated with erosion/corrosion and vessel mixing. Ecology inquired about the revision to the 2010-2 implementation plan (IP) and whether the associated delays will have any impact on PT. ORP responded that the revision to the IP is not anticipated to cause a significant swing in either schedule or cost relative to the large scale integrated testing (LSIT). ORP stated that most of the revisions will be associated with logic ties, and the updated IP should be issued by October 2012. Ecology noted that when the last quarterly report was issued, one of the IP line items (scaling basis) had already slipped, and there have been questions on the logic. Ecology noted the CD milestone D-00A-19 to complete the 98-foot concrete elevation by December 2012, and asked if there is a schedule for completing the 98-foot level. ORP responded that the schedule is not known due to the current rebaselining effort.

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

ORP stated that the main focus in HLW is achieving the December 2012 CD milestone for the 37-foot structural steel. ORP noted that RLD vessels 7 and 8 will be received but will not be placed until they go through V&V by the vessel completion team. ODOE asked how involved Ecology has been with integration on startup activities. Ecology responded that as an example, lessons learned have been taken from completion of the 14-foot structural steel, and ORP has involved Ecology earlier in the process for the 37-foot structural steel. ORP has scheduled walk-downs of facilities with Ecology to show completion and review punch lists. At the end of the process, Ecology and ORP will have an agreed-upon V&V package for the 37-foot structural steel. ORP will provide notification to Ecology that the milestone has been met, and all the documentation will be available to Ecology. ORP will do an assessment to support its conclusion the milestone has been met, which will also be available. Ecology noted that it will have oversight while the assessment is being done. Ecology stated that it will then have the responsibility to write the final email to its management and the state AG, with ORP on copy, that the milestone has been met.

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

Ecology inquired about physical design changes or reconfigurations to support early LAW. ORP responded that a baseline change proposal (BCP) was implemented for the structural scope changes to enable direct feed inside the LAW facility. ORP noted that there have been discussions regarding HLW direct feed, and ORP has not given its contractors direction at this time to do any changes in the WTP project relative to the direct feed option. Ecology asked if the LAW direct feed has been added to the baseline. ORP stated that it will be added scope and will be based on DOE direction. ORP noted that all the direct feed impacts will be in tank farms on the prep side and the systems to support direct feed. Ecology asked about the installation time for the thermal catalytic oxidizers (TCOs), noting that it took longer than planned for receipt of the TCOs. ORP stated that installation of the TCOs is critical path, and there is significant float in the WTP schedule.

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

The focus in LAB continues to be meeting the CD milestone for construction substantially complete. The CD requires certification that the milestone is complete, and Bechtel is in the process of updating the process to define the certification. Ecology asked if there will be a set of criteria to judge that the certification has been met. ORP responded that the criteria will be validated before and after it is applied to certification. When completion is declared, a document will be provided that covers the process to verify certification.

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

ORP stated that the current focus is meeting the CD milestone in December 2012 for the steam plant. Transition of switchgear building 87 to turnover is being initiated.



## Agenda

May 17, 2012

### Office of River Protection Quarterly Milestone Review Meeting

Ecology Offices, Conference Room 3A/B

**Chairperson: Tom Fletcher**

| Topic   | Leads                                     | Time  |
|---|---|-------|
| Statistics / Status   | James Lynch / Dan McDonald / Jeff Lyon    | 8:30  |
| Single-Shell Tank Corrective Action; M-45, -50, -60   | Chris Kemp / Jeff Lyon                    | 8:35  |
| Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series,<br><ul style="list-style-type: none"> <li>- Tank in Appendix H Status</li> <li>- C-Farm Critical Path</li> <li>- Tanks with Individual Milestones</li> <li>- Double-Shell Tank Closure</li> <li>- 242-A Evaporator Status</li> </ul> SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series | Chris Kemp / Kathy Higgins / Jeff Lyon    | 8:40  |
| SST Integrity Assurance; M-45-91  | Jeremy Johnson / Michelle Hendrickson     | 8:55  |
| In Tank Characterization and Summary  | Jeremy Johnson / Michael Barnes           | 9:00  |
| Tank Operations Contract (TOC) Overview   | Janet Diediker / Jeff Lyon                | 9:05  |
| Acquisition of New Facilities; M-90-00; M-47-00   | Janet Diediker / Jeff Lyon / Dan McDonald | 9:15  |
| Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45   | Steve Pfaff / Jeff Lyon / Dan McDonald    | 9:20  |
| System Plan; M-62-40  | Ron Koll / Jeff Lyon / Dan McDonald       | 9:25  |
| WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17  | Delmar Noyes / Dan McDonald               | 9:30  |
| WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19  | Delmar Noyes / Dan McDonald               | 9:50  |
| WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21  | Delmar Noyes / Dan McDonald               | 9:55  |
| WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09   | Delmar Noyes / Dan McDonald               | 10:00 |
| WTP Analytical Laboratory (LAB); D-00A-05   |   | 10:05 |
| WTP Balance of Facilities (BOF); D-00A-12   |   | 10:10 |

Tri-Party Agreement Office of River Protection Milestone Review  
May 17, 2012

| <u>Name</u>                      | <u>Organization</u> |
|----------------------------------|---------------------|
| <u>MICHAEL PECOQUIN</u>          | <u>WRPS</u>         |
| <u>Steve Killoy</u>              | <u>WRPS</u>         |
| <u>Carol Slack</u>               | <u>WRPS</u>         |
| <u>Joni Grundstiff</u>           | <u>DOE-ORP</u>      |
| <u>Mike Barnes</u>               | <u>Ecology</u>      |
| <u>Reed Kaldor</u>               | <u>MSA</u>          |
| <u>JOE CAGGIANO</u>              | <u>ECOLOGY</u>      |
| <u>Dave Eisen</u>                | <u>FDA</u>          |
| <u>Chris Hammerton</u>           | <u>ORP</u>          |
| <u>Janet Diediker</u>            | <u>ORP</u>          |
| <u>Chris Kemp</u>                | <u>ORP</u>          |
| <u>Cheryl Whalen</u>             | <u>Ecology</u>      |
| <u>Shirley Simpson</u>           | <u>ODOE</u>         |
| <u>Dabrisha Smith</u>            | <u>ORP</u>          |
| <u>Jeff Lyon</u>                 | <u>Ecology</u>      |
| <u>Dan McDonald</u>              | <u>Ecology</u>      |
| <del><u>Janet Diediker</u></del> |                     |
| <u>Steve Pfaff</u>               | <u>ORP</u>          |
| <u>Delma Noyes</u>               | <u>DOE-WTP</u>      |
| <u>KATE WOODY</u>                | <u>DOE-WTP</u>      |



**FINAL**

**Office of River Protection**

**Tri-Party Agreement**

**Monthly Summary Report**

**May 2012**



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

| <b>Page</b> | <b>Topic</b>   | <b>Leads</b>                              |
|-------------|--|---|
| 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,<br>- Tank in Appendix H Status<br>- Tank Retrievals with Individual Milestones | Chris Kemp / Jeff Lyon                    |
| 7           | C-Farm Critical Path   | Kathy Higgins / Jeff Lyon                 |
| 10          | 242-A Evaporator Status  | Glyn Trenchard / Jeff Lyon                |
| 11          | SST Integrity Assurance; M-45-91   | Jeremy Johnson/ Michelle Hendrickson      |
| 13          | In Tank Characterization and Summary   | Jeremy Johnson / Michael Barnes           |
| 15          | Tank Operations Contract (TOC) Overview  | Janet Diediker / Jeff Lyon                |
| 20          | Acquisition of New Facilities; M-90-00; M-47-00  | Janet Diediker / Jeff Lyon / Dan McDonald |
| 21          | Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45  | Steve Pfaff / Jeff Lyon / Dan McDonald    |
| 22          | System Plan; M-62-40   | Dabrisha Smith / Jeff Lyon / Dan McDonald |
| 23          | WTP Overall TPA Summary and Milestone Status; M-62-01  | Delmar Noyes / Dan McDonald               |

| Milestone               | Title  | Due Date   | Completion Date | Status       |
|-------------------------|--|------------|-----------------|--------------|
| <b>Fiscal Year 2012</b> |  |            |                 |              |
| 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  |                 | At Risk      |
| 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  |                 | On Schedule  |
| <b>Fiscal Year 2013</b> |  |            |                 |              |
| M-045-92L               | Barrier 1 Construction Complete                                  | 10/31/2012 |                 | To Be Missed |
| M-045-92G               | Meet Yearly on Performance of Barrier                            | 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 |                 | On Schedule  |
| 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               | 1/31/2012  |                 | 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-045-92O               | Barrier 3 Design/Monitoring Submittal to Ecology                 | 6/30/2013  |                 | At Risk      |
| 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-045-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan, Due: 12/31/08 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 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 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.

**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: 12/31/08, 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 09/22/11. September meeting minutes, which document efforts, were signed 11/09/11 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 1/05/12 with a requested response by 2/10/12. Ecology provided response letter 12-NWP-071 on 05/08/12, approving proposed changes in both the Work Plan/SAP documents.

**M-045-56H, Complete Implementation of Agreed to Interim Measures (Meet Yearly to Discuss Interim Measures), Due: 07/31/12, Status: On Schedule.**

**M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAS (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule**

**M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/14, 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: 9/30/2016, Status: On Schedule.**

**M-45-92B, DOE shall submit to Ecology for approval, a final design and monitoring plan for TY farm interim barrier, Due: 03/31/2010, Status: Complete.** A revision will be made to

the monitoring plan and submitted to Ecology with a TPA Change Notice, based on current evaluation of data as documented in meeting minutes signed by the parties as part of M-045-92F. A draft Interim Barrier monitoring technical evaluation and draft change notice was provided to Ecology for comment as per Approved Meeting Minutes.

**M-045-92F, DOE and Ecology will meet yearly to review the monitoring data, agree to changes in monitoring (if needed) and assess the performance of the demonstration barrier,** Due: 12/31/2011, Status: Complete. Meeting was held 11/30/11. Meeting notes have been prepared, signed on 12/19/11, and have been entered into the TPA Administrative Record.

**M-045-92L, Construct Barrier 1** Due: 10/31/12, Status: To Be Missed. Change Package is being developed. See issues below.

**M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3** Due: 06/30/13, Status: At risk. Being addressed in conjunction with M-045-92L change package.

#### **Significant Past Accomplishments:**

- 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.
- Continued laboratory analysis of direct push soil samples previously obtained in C farm
- Laboratory analysis has been completed on all soil samples collected in support of potential interim barrier site characterization, and the data reports have been issued.

#### **Significant Planned Actions in the Next Six Months:**

- Finalize updates to WMA C RFI/CMS work plan and SAP based on Ecology's approval of the TPA change notice.
- Publish results of evaluation of barrier monitoring data, and recommend changes to future monitoring plan for TY barrier.
- Continue laboratory analysis of direct push soil samples previously obtained in C farm.
- Finalize the TPA Change Package for M-045-92, based on Ecology's review of the draft TPA Change Package.
- Schedule the annual meeting for M-45-56.

#### **Issues:**

FY2012 funding constraints will impact M-045-92 barriers work. A draft TPA change package has been developed as is under review and discussion.

## 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: 12/27/10, Status: Complete.** Document transmitted from ORP to Ecology via letter 10-TPD-176 on 12/28/10. 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 are meeting in May to discuss comment resolution.

**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 15<sup>th</sup>. Ecology and ORP agree to meet to discuss comment resolution and extend the final resolution to the end of May.

**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 12/28/10. 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 15<sup>th</sup>. Ecology and ORP are meeting in May to discuss comment resolution.

**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, 80, and 81.

**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.

## **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.

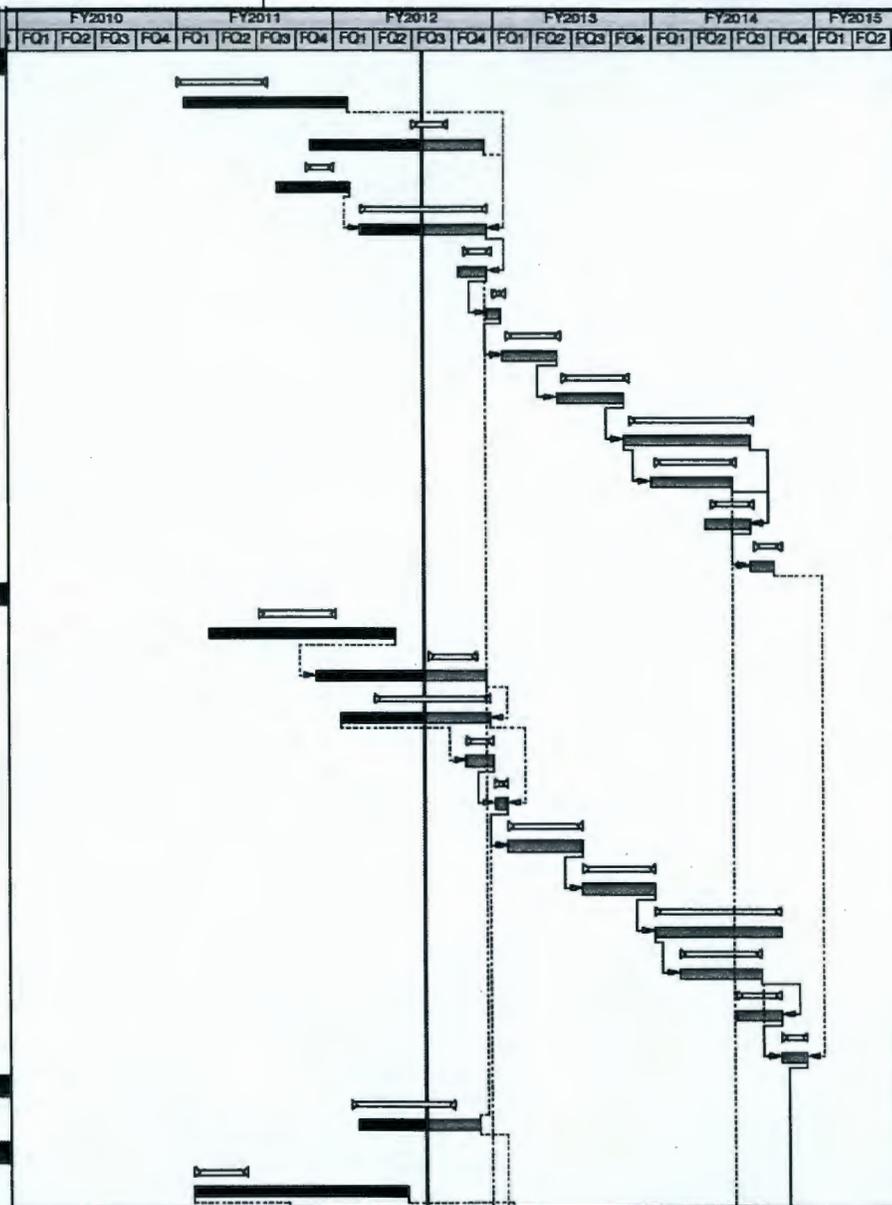
#### **Significant Planned Activities in the Next Six Months:**

None

#### **Issues:**

None

| SLCS-CUR / OPER-CUR                  |   | C-Farm Critical Path by WBS |         |               |                |             |                      |        | Data Date 23-Apr-12 |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
|--------------------------------------|---|-----------------------------|---------|---------------|----------------|-------------|----------------------|--------|---------------------|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|
| Activity ID                          | Activity Name                                     | Orig Dur                    | Rem Dur | Current Start | Current Finish | Total Float | Chg Since Last Month | FY2010 |                     |     |     | FY2011 |     |     |     | FY2012 |     |     |     | FY2013 |     |     |     | FY2014 |     |     |     | FY2015 |     |     |     |
|                                      |   |                             |         |               |                |             |                      | FQ1    | FQ2                 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 |
| <b>5.02.02.06.01 C-101 Retrieval</b> |   | 933                         | 553     | 18-Oct-10 A   | 01-Jul-14      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001B                           | C-101 Retrieval Design                            | 144                         | 0       | 18-Oct-10 A   | 31-Oct-11 A    | 0           | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001CA                          | C-101 Retrieval Procurement - Receive Equipment   | 60                          | 96      | 08-Aug-11 A   | 10-Sep-12      | 49          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001E                           | C-101 Retrieval System Installation               | 48                          | 0       | 16-May-11 A   | 02-Nov-11 A    | 0           | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001EA                          | C-101 Retrieval System Installation - FY12        | 187                         | 104     | 02-Dec-11 A   | 18-Sep-12      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001F                           | C-101 Retrieval Startup and Readiness - FY12      | 47                          | 47      | 13-Jul-12     | 18-Sep-12      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001F1                          | C-101 Retrieval Startup and Readiness - FY13      | 23                          | 23      | 19-Sep-12     | 19-Oct-12      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001G                           | C-101 Retrieval Operations (MS)                   | 84                          | 84      | 22-Oct-12     | 22-Feb-13      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001M1                          | C-101 Sample for Hard Heel Removal Decision       | 107                         | 107     | 25-Feb-13     | 25-Jul-13      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001T                           | C-101 Hard Heel Rmvl Design & Engineering Support | 195                         | 195     | 26-Jul-13     | 05-May-14      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001R                           | C-101 Hard Heel Rmvl Procurement                  | 125                         | 125     | 23-Sep-13     | 24-Mar-14      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001S                           | C-101 Hard Heel Rmvl Installation                 | 70                          | 70      | 27-Jan-14     | 05-May-14      | 43          | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C001M                           | C-101 Hard Heel Rmvl Operations                   | 40                          | 40      | 06-May-14     | 01-Jul-14      | -43         | 8                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| <b>5.02.02.06.02 C-102 Retrieval</b> |   | 945                         | 599     | 07-Dec-10 A   | 05-Sep-14      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002B                           | C-102 Retrieval Design                            | 106                         | 0       | 07-Dec-10 A   | 13-Feb-12 A    | -4          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002C                           | C-102 Retrieval Procurement                       | 80                          | 96      | 15-Aug-11 A   | 10-Sep-12      | 34          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002E                           | C-102 Retrieval System Installation               | 185                         | 106     | 10-Oct-11 A   | 20-Sep-12      | 27          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002F                           | C-102 Retrieval Startup and Readiness FY12        | 46                          | 46      | 26-Jul-12     | 28-Sep-12      | 14          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002F1                          | C-102 Retrieval Startup and Readiness FY13        | 24                          | 24      | 01-Oct-12     | 01-Nov-12      | 14          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002G                           | C-102 Retrieval Operations (MS)                   | 170                         | 170     | 02-Nov-12     | 20-Apr-13      | 24          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002R                           | C-102 Sample for HHR Decision                     | 113                         | 113     | 22-Apr-13     | 30-Sep-13      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002H                           | C-102 Hard Heel Rmvl Design & Engineering Support | 195                         | 195     | 01-Oct-13     | 10-Jul-14      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002J                           | C-102 Hard Heel Rmvl Procurement                  | 125                         | 125     | 26-Nov-13     | 28-May-14      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002K                           | C-102 Hard Heel Rmvl Installation                 | 70                          | 70      | 02-Apr-14     | 10-Jul-14      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C002M                           | C-102 Hard Heel Rmvl Operations                   | 40                          | 40      | 11-Jul-14     | 05-Sep-14      | 17          | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| <b>5.02.02.06.04 C-104 Retrieval</b> |   | 165                         | 85      | 14-Nov-11 A   | 21-Aug-12      | 57          | -15                  |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C004C                           | C-104 Hard Heel Rmvl - Caustic Dissolution        | 165                         | 85      | 14-Nov-11 A   | 21-Aug-12      | 57          | -15                  |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| <b>5.02.02.06.05 C-105 Retrieval</b> |   | 986                         | 616     | 01-Nov-10 A   | 30-Sep-14      | 0           | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-3C005B                           | C-105 Retrieval Design - Phase 1                  | 82                          | 0       | 01-Nov-10 A   | 09-Mar-12 A    | 0           | 0                    |        |                     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |



Actual Work    
  Critical Remain Work    
  Baseline Act  
 Remain Work    
  Milestone    
  Baseline Milestone

**C-Farm Retrieval Critical Path  
Current Schedule  
April 2012**

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

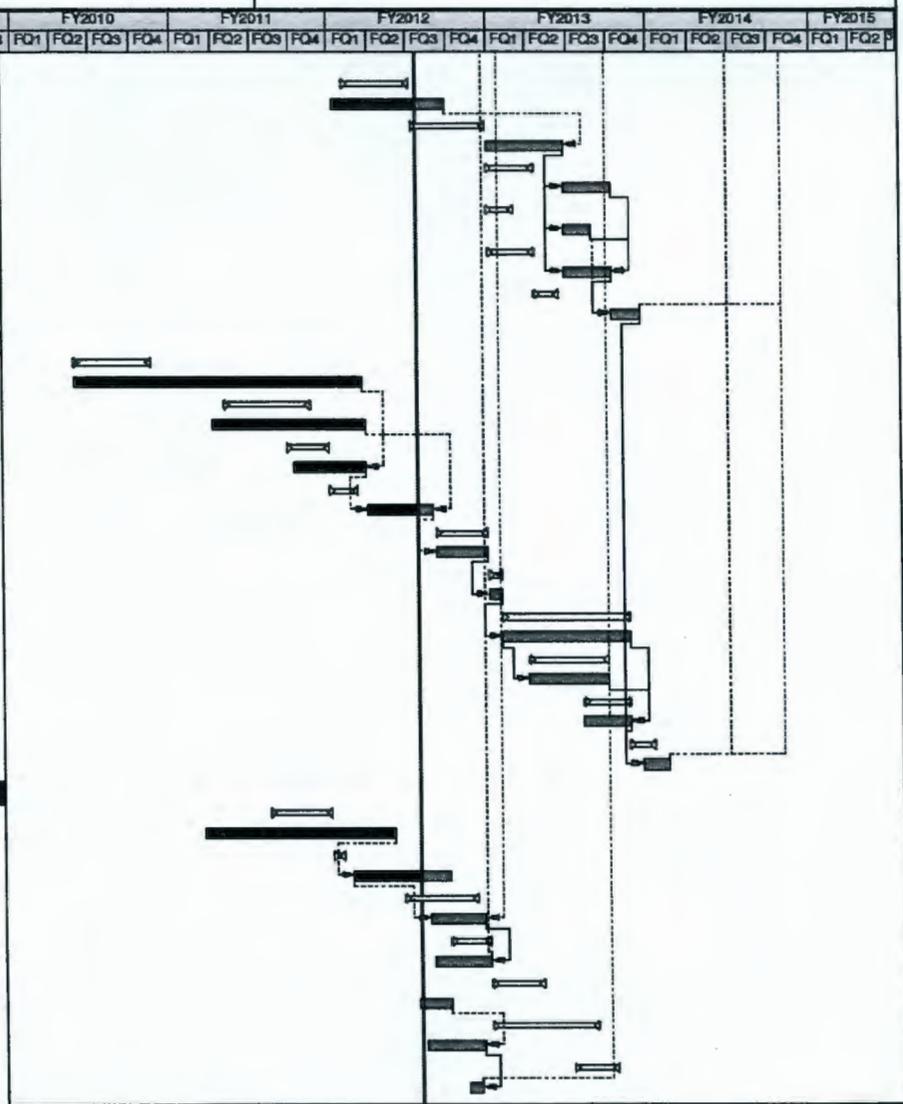
| SLCS-CUR / OPER-CUR                  |  | C-Farm Critical Path by WBS |            |                    |                  |             |                      |        | Data Date 23-Apr-12 |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
|--------------------------------------|--|-----------------------------|------------|--------------------|------------------|-------------|----------------------|--------|---------------------|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|
| Activity ID                          | Activity Name  | Orig Dur                    | Rem Dur    | Current Start      | Current Finish   | Total Float | Chg Since Last Month | FY2010 |                     |     | FY2011 |     |     | FY2012 |     |     | FY2013 |     |     | FY2014 |     |     | FY2015 |     |
|                                      |  |                             |            |                    |                  |             |                      | FQ1    | FQ2                 | FQ3 | FQ4    | FQ1 | FQ2 | FQ3    | FQ4 | FQ1 | FQ2    | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4    | FQ1 |
| HHA-3C005B2                          | C-105 Retrieval Installation Design - MARS Educator  | 148                         | 138        | 15-Jan-12 A        | 05-Nov-12        | 185         | -43                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005C                           | C-105 Procurement of Phase 1 Components - FY11       | 72                          | 8          | 15-Jul-11 A        | 02-May-12        | 325         | -14                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005E                           | C-105 Retrieval System Installation - Phase 1        | 198                         | 112        | 01-Dec-11 A        | 26-Sep-12        | 221         | -10                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005E3                          | C-105 Retrieval System Installation - MARS           | 199                         | 199        | 31-Aug-12*         | 17-Jun-13        | 42          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005F                           | C-105 Retrieval Startup and Readiness                | 235                         | 235        | 04-Sep-12          | 08-Aug-13        | 42          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005G                           | C-105 Retrieval Operations (MARS)                    | 227                         | 227        | 09-Aug-13*         | 23-Mar-14        | 61          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005M2                          | C-105 Hard Heel Rmvl Evaluations & Readiness         | 40                          | 40         | 24-Mar-14          | 02-May-14        | 61          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C005M                           | C-105 Hard Heel Rmvl Operations                      | 90                          | 90         | 03-May-14          | 31-Jul-14        | 61          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHC-3C005R                           | Complete C-Farm Retrieval - Consent Decree D-00B-01  | 0                           | 0          |                    | 05-Sep-14        | 17          | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| M-B-1                                | M-B-1, Complete C-Farm Retrieval (D-00B-01 Due Date) | 0                           | 0          |                    | 30-Sep-14*       | 0           | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| <b>5.02.02.06.07 C-107 Retrieval</b> |  | <b>504</b>                  | <b>85</b>  | <b>01-Apr-10 A</b> | <b>21-Aug-12</b> | <b>219</b>  | <b>-14</b>           |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007E                           | C-107 Retrieval System Installation                  | 379                         | 0          | 01-Apr-10 A        | 30-Sep-11 A      | 0           | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007F1                          | C-107 Retrieval Startup and Readiness for MARS       | 132                         | 0          | 21-Mar-11 A        | 25-Sep-11 A      | 0           | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007G                           | C-107 Bulk Retrieval Operations (MARS) FY11          | 30                          | 0          | 11-Oct-11 A        | 26-Oct-11 A      | 0           | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007H1                          | C-107 Hard Heel Retrieval Evaluations and Readiness  | 15                          | 15         | 16-May-12*         | 06-Jun-12        | 272         | 1                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007G1                          | C-107 Bulk Retrieval Operations (MARS) FY12          | 96                          | 66         | 26-Oct-11 A        | 27-Jun-12        | 318         | -20                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-3C007M                           | C-107 Hard Heel Rmvl Operations                      | 53                          | 53         | 07-Jun-12          | 21-Aug-12        | 219         | -14                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| <b>5.02.02.06.08 C-108 Retrieval</b> |  | <b>473</b>                  | <b>3</b>   | <b>22-Feb-10 A</b> | <b>25-Apr-12</b> | <b>249</b>  | <b>-7</b>            |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C008K                           | C-108 Hard Heel Rmvl Installation                    | 75                          | 0          | 22-Feb-10 A        | 10-Nov-11 A      | 0           | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C008M                           | C-108 Hard Heel Rmvl Operations                      | 57                          | 3          | 13-Oct-11 A        | 25-Apr-12        | 249         | -7                   |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| <b>5.02.02.06.09 C-109 Retrieval</b> |  | <b>192</b>                  | <b>124</b> | <b>26-Nov-11 A</b> | <b>16-Oct-12</b> | <b>240</b>  | <b>0</b>             |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C009HA                          | C-109 Hard Heel Rmvl Design & Engineering Support    | 41                          | 8          | 26-Nov-11 A        | 02-May-12        | 350         | 10                   |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C009K                           | C-109 Hard Heel Rmvl Installation                    | 49                          | 5          | 21-Dec-11 A        | 10-May-12        | 350         | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C009M                           | C-109 Hard Heel Rmvl Operations                      | 112                         | 112        | 09-May-12*         | 16-Oct-12        | 240         | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| <b>5.02.02.06.10 C-110 Retrieval</b> |  | <b>283</b>                  | <b>239</b> | <b>13-Feb-12 A</b> | <b>03-Apr-13</b> | <b>125</b>  | <b>0</b>             |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C010K1                          | C-110 Hard Heel Foldtrack Modifications              | 49                          | 52         | 13-Feb-12 A        | 05-Jul-12        | 252         | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C010K                           | C-110 Hard Heel Rmvl Installation                    | 42                          | 135        | 22-Mar-12 A        | 31-Oct-12        | 168         | -26                  |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C010K2                          | C-110 Hard Heel Rmvl Installation                    | 67                          | 67         | 01-Oct-12          | 08-Jan-13        | 125         | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |
| HHA-1C010M                           | C-110 Hard Heel Rmvl Operations                      | 60                          | 60         | 09-Jan-13          | 03-Apr-13        | 125         | 0                    |        |                     |     |        |     |     |        |     |     |        |     |     |        |     |     |        |     |

█ Actual Work    █ Critical Remain Work    ▬ Baseline Act  
▬ Remain Work    ◆ Milestone    ▽ Baseline Milestone

**C-Farm Retrieval Critical Path**  
**Current Schedule**  
**April 2012**

Page 2 of 3    TASK filters: 1 - C-Farm CP  
 Exclude, C-Farm - Critical Path.

| SLCS-CUR / OPER-CUR  |  | C-Farm Critical Path by WBS |         |               |                |             |                      | Data Date 23-Apr-12 |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
|--|--|-----------------------------|---------|---------------|----------------|-------------|----------------------|---------------------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|--------|-----|-----|-----|
| Activity ID  | Activity Name  | Orig Dur                    | Rem Dur | Current Start | Current Finish | Total Float | Chg Since Last Month | FY2010              |     |     |     | FY2011 |     |     |     | FY2012 |     |     |     | FY2013 |     |     |     | FY2014 |     |     |     | FY2015 |     |     |     |
|  |  |                             |         |               |                |             |                      | FQ1                 | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 | FQ1    | FQ2 | FQ3 | FQ4 |
| <b>5.02.02.06.11 C-111 Retrieval</b>                           |  | 485                         | 352     | 11-Oct-11 A   | 12-Sep-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011R   | C-111 Sample for HHR Decision                                    | 107                         | 46      | 11-Oct-11 A   | 26-Jun-12      | 326         | -1                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011H   | C-111 Hard Heel Rmvl Design & Engineering Support FY12           | 122                         | 122     | 01-Oct-12*    | 27-Mar-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011H1  | C-111 Hard Heel Rmvl Design & Engineering Support FY13           | 73                          | 73      | 26-Mar-13     | 10-Jul-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011J1  | C-111 Hard Heel Rmvl Procurement FY13                            | 43                          | 43      | 26-Mar-13     | 28-May-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011K   | C-111 Hard Heel Rmvl Installation                                | 73                          | 73      | 26-Mar-13     | 10-Jul-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C011M   | C-111 Hard Heel Rmvl Operations                                  | 45                          | 45      | 11-Jul-13     | 12-Sep-13      | 140         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| <b>5.02.02.06.12 C-112 Retrieval</b>                           |  | 941                         | 392     | 18-Feb-10 A   | 07-Nov-13      | 164         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012B   | C-112 Retrieval Design   | 125                         | 0       | 18-Feb-10 A   | 16-Dec-11 A    | 0           | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012E   | C-112 Retrieval System Installation                              | 144                         | 0       | 03-Jan-11 A   | 22-Dec-11 A    | 0           | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012F   | C-112 Retrieval Startup and Readiness                            | 57                          | 0       | 11-Jul-11 A   | 21-Dec-11 A    | 0           | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012G   | C-112 Retrieval Operations (MS)                                  | 56                          | 33      | 26-Dec-11 A   | 25-May-12      | 278         | -9                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012R   | C-112 Sample for HHR Decision FY12                               | 84                          | 84      | 01-Jun-12*    | 26-Sep-12      | 186         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012R1  | C-112 Sample for HHR Decision FY13                               | 23                          | 23      | 01-Oct-12     | 31-Oct-12      | 186         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012H   | C-112 Hard Heel Rmvl Design & Engineering Support                | 195                         | 195     | 01-Nov-12     | 12-Aug-13      | 186         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012J   | C-112 Hard Heel Rmvl Procurement                                 | 125                         | 125     | 03-Jan-13     | 28-Jun-13      | 186         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012K   | C-112 Hard Heel Rmvl Installation                                | 70                          | 70      | 03-May-13     | 12-Aug-13      | 186         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HHA-1C012M   | C-112 Hard Heel Rmvl Operations                                  | 40                          | 40      | 13-Sep-13     | 07-Nov-13      | 164         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| <b>5.02.02.06.20 C-Farm Infrastructure DST Receiver Tank 4</b> |  | 457                         | 111     | 07-Dec-10 A   | 27-Sep-12      | 263         | -1                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0B   | C-Farm Infrastructure DST Receiver Tank 4 Design                 | 100                         | 0       | 07-Dec-10 A   | 22-Feb-12 A    | 0           | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0BA  | C-Farm Infrastructure DST Receiver Tank 4 Design                 | 20                          | 45      | 17-Nov-11 A   | 25-Jun-12      | 54          | 69                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0D   | C-Farm Infrastructure AN-101 Upgrades - Construction             | 66                          | 66      | 14-May-12*    | 17-Sep-12      | 39          | -18                  |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0E   | C-Farm Infrastructure AN-101 Upgrades Startup/Readiness          | 69                          | 69      | 23-May-12     | 27-Sep-12      | 39          | -1                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0C5  | C-Farm Infrastructure AN-106 HIHTL Procurement                   | 67                          | 47      | 16-Apr-12 A   | 27-Jun-12      | 327         | 20                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0D3  | C-Farm Infrastructure AN-106 HIHTL Replacement                   | 93                          | 83      | 01-May-12*    | 11-Sep-12      | 275         | -8                   |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |
| HNA-2NFC0E1  | C-Farm Infrastructure AN-106 HIHTL Replacement Startup/Readiness | 19                          | 19      | 09-Aug-12     | 05-Sep-12      | 275         | 0                    |                     |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |        |     |     |     |



Actual Work    
  Critical Remain Work    
  Baseline Act  
 Remain Work    
  Milestone    
  Baseline Milestone

**C-Farm Retrieval Critical Path  
Current Schedule  
April 2012**

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

## 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        | 12-01        | AP-107                     | AP-107      | Estimated start August 2012. May require two (2) passes to achieve waste volume reduction.   |
| FY13        | 13-01        | AP-104                     | AP-107      | Estimated start March 2013.  |
| FY13        | 13-02-       | AW-106                     | AP-107      | Estimated start September 2013.  |
| FY14        | 14-01        | AN-106<br>AZ-102<br>AW-106 | AP-107      | Estimated start March 2014. Two (2) passes required.   |
| FY15        | 15-01        | AY-101<br>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 April 1 – April 30, 2012:

### Accomplishments:

- Completed liquid grab compatibility sampling of 204-AR-TK-1.
- Completed RPP-PLAN-50310, Rev. 1, *Tank 241-AN-106 Grab Sampling and Analysis Plan in Support of Corrosion Mitigation During Tank 241-C-107 Retrieval*. This revision adds Strategic planning requirements as specified in RPP-44057, *Data Quality Objectives to Support Strategic Planning*.
- Completed the following twelve BBI updates:
  - RPP-RPT-44814, Rev. 6 *Derivation of Best-basis Inventory for Tank 241-AN-101 as of December 28, 2011*
  - RPP-RPT-43992, Rev. 3 *Derivation of Best-basis Inventory for Tank 241-AN-106 as of January 1, 2012*
  - RPP-RPT-48639, Rev. 3 *Derivation of Best-basis Inventory for Tank 241-AP-104 as of January 1, 2012*
  - RPP-RPT-46792, Rev. 3 *Derivation of Best-basis Inventory for Tank 241-AW-102 as of January 1, 2012*
  - RPP-RPT-44625, Rev. 1 *Derivation of Best-basis Inventory for Tank 241-AW-105 as of January 1, 2012*
  - RPP-RPT-44630, Rev. 3 *Derivation of Best-basis Inventory for Tank 241-AY-102 as of January 1, 2012*
  - RPP-RPT-44637, Rev. 4 *Derivation of Best-basis Inventory for Tank 241-AZ-101 as of January 1, 2012*
  - RPP-RPT-44049, Rev. 3 *Derivation of Best-basis Inventory for Tank 241-AZ-102 as of January 1, 2012*
  - RPP-RPT-52174, Rev. 0 *Derivation of Best-basis Inventory for Tank 241-BY-111 as of January 1, 2012*
  - RPP-RPT-48745, Rev. 1 *Derivation of Best-basis Inventory for Tank 241-C-107 as of January 1, 2012*
  - RPP-RPT-52180, Rev. 0 *Derivation of Best-basis Inventory for Tank 241-SX-106 as of January 1, 2012*
  - RPP-RPT-44643, Rev. 2 *Derivation of Best-basis Inventory for Tank 241-SY-102 as of January 1, 2012*

### Planned Action within the next Six Months:

- Tank Sampling
  - Tank SY-102 grab samples for chemistry control – currently scheduled for June 2012
  - Tank C-107 stack gas samples to evaluate emissions of potential Toxic Air Pollutants at the middle of retrieval – currently scheduled for April/May 2012
  - Tank C-104 grab samples to support heel retrieval – currently scheduled to start in May 2012
  - Tank C-109 grab samples to support heel retrieval – currently scheduled to start in May 2012

- Tank AN-106 grab samples for chemistry control after completion of C-107 sluicing - currently scheduled for June 2012
  - Tank C-108 off- riser samples for tank component closure – currently scheduled for June 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 DST Chemistry Control DQO (RPP-8532), PCB Management DQO (RPP-7614) and the Compatibility DQO (HNF-SD-WM-DQO-001) in May 2012
    - Revision of the Strategic Planning DQO (RPP-44057) in May 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 March 31, 2012, Washington River Protection Solutions LLC (WRPS) worked 3,446,824 hours (355 days) without a Lost Time Workday Injury and 2,055,052 hours (227 days) without a Recordable case.

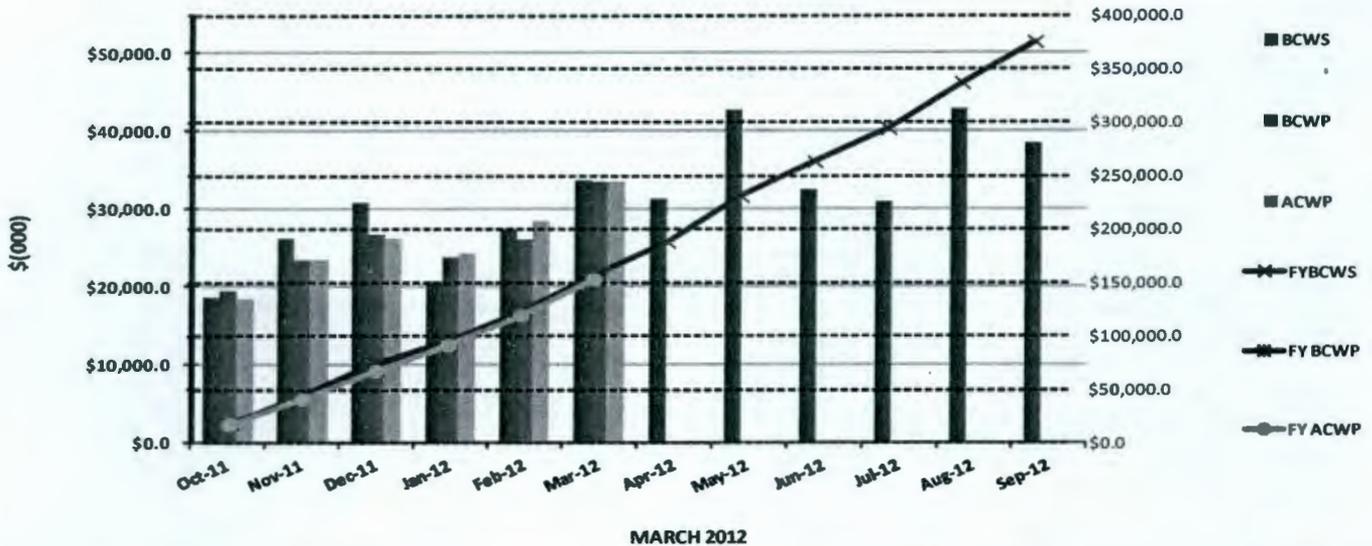
### March EVMS Data

| WRPS Project Performance - (\$k) |             |             |             |            |           |      |      |             |             |          |
|----------------------------------|-------------|-------------|-------------|------------|-----------|------|------|-------------|-------------|----------|
|                                  | BCWS        | BCWP        | ACWP        | SV         | CV        | SPI  | CPI  | BAC         | EAC         | VAC      |
| CM                               | 33,615.5    | 33,405.7    | 33,466.4    | (209.8)    | (60.7)    | 0.99 | 1.00 |             |             |          |
| FYTD                             | 157,026.2   | 152,646.0   | 153,735.2   | (4,380.2)  | (1,089.2) | 0.97 | 0.99 | 375,378.2   | 365,434.3   | 9,943.9  |
| CTD                              | 1,382,193.7 | 1,371,695.8 | 1,316,865.5 | (10,497.9) | 54,830.3  | 0.99 | 1.04 | 2,150,734.5 | 2,090,082.2 | 60,652.3 |

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

EVMS Monthly and Fiscal Year Values - ORP-0014

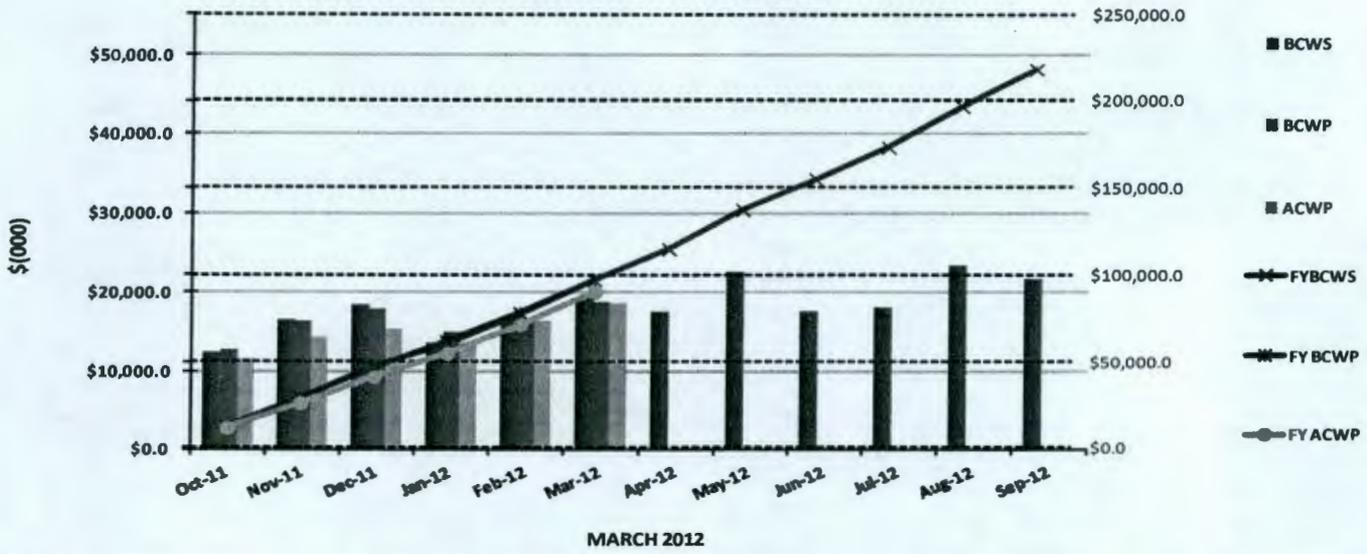


MARCH 2012

| 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             | \$31,213.0    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$188,238.8 |             |             | 0.00   | 0.00   |
| May-12             | \$42,608.3    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$230,847.1 |             |             | 0.00   | 0.00   |
| Jun-12             | \$32,349.0    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$263,196.1 |             |             | 0.00   | 0.00   |
| Jul-12             | \$30,966.0    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$294,162.1 |             |             | 0.00   | 0.00   |
| Aug-12             | \$42,822.3    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$336,984.4 |             |             | 0.00   | 0.00   |
| Sep-12             | \$38,393.4    | \$0.0         | \$0.0         | 0.00 | 0.00 | \$375,377.8 |             |             | 0.00   | 0.00   |
| CTD                | \$1,382,193.7 | \$1,371,695.8 | \$1,316,865.5 | 0.99 | 1.04 |             |             |             |        |        |

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

Base Operations 5.01



MARCH 2012

| Earned Value Month | BCWS       | BCWP       | ACWP       | SPI  | CPI  | FY BCWS     | 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 | \$16,405.1 | 0.97 | 0.99 | \$77,798.5  | \$78,210.8 | \$71,545.8 | 1.01   | 1.09   |
| Mar-12             | \$19,272.8 | \$18,703.5 | \$18,623.5 | 0.97 | 1.00 | \$97,071.3  | \$96,914.3 | \$90,169.3 | 1.00   | 1.07   |
| Apr-12             | \$17,651.6 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$114,722.9 |            |            | 0.00   | 0.00   |
| May-12             | \$22,579.2 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$137,302.1 |            |            | 0.00   | 0.00   |
| Jun-12             | \$17,625.9 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$154,928.0 |            |            | 0.00   | 0.00   |
| Jul-12             | \$18,100.3 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$173,028.3 |            |            | 0.00   | 0.00   |
| Aug-12             | \$23,312.8 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$196,341.1 |            |            | 0.00   | 0.00   |
| Sep-12             | \$21,739.2 | \$0.0      | \$0.0      | 0.00 | 0.00 | \$218,080.3 |            |            | 0.00   | 0.00   |

|     |             |             |             |      |      |
|-----|-------------|-------------|-------------|------|------|
| CTD | \$920,255.3 | \$918,433.5 | \$888,065.6 | 1.00 | 1.03 |
|-----|-------------|-------------|-------------|------|------|

**Base Operations**

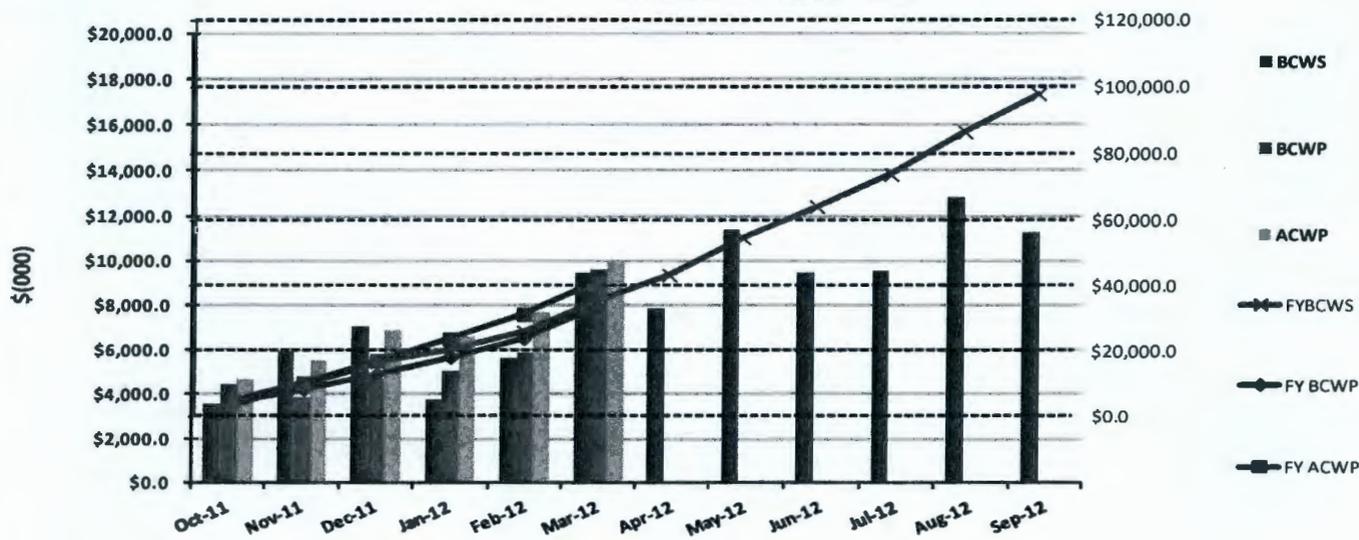
Schedule Variance (-\$569K):

The unfavorable schedule variance is primarily due to:

- Fewer than planned AZ Farm preventive maintenance tasks performed due to the complexity associated with the AZ Farm electrical outage.
- The AW and AP Farms' corrective maintenance activities required additional planning and engineering support than anticipated. In addition there is a lag time when the Maintenance Managers update CHAMPS (Computerized History and Maintenance Planning) to reflect the field work complete
- Delay in the AW-105 Chemistry Control fabrication and field work activities that were originally planned in February. The delay is due to the Boundary Element Analysis performed at the beginning of the fiscal year to confirm a new design for the corrosion probe. The new design was proposed by the Tank Chemistry technical team and expert panel oversight committee to reduce fabrication time and costs. A baseline change request (BCR) has been submitted to reflect this new approach on the AW-105 corrosion probe and defer the fabrication and installation activities to fiscal year 2013 to allow the design to complete in fiscal year 2012.

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

Retrieve and Close SST's 5.02



MARCH 2012

| 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             | \$7,861.2          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$43,265.7 |            |            | 0.00   | 0.00   |
| May-12             | \$11,365.9         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$54,631.6 |            |            | 0.00   | 0.00   |
| Jun-12             | \$9,473.9          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$64,105.5 |            |            | 0.00   | 0.00   |
| Jul-12             | \$9,555.6          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$73,661.1 |            |            | 0.00   | 0.00   |
| Aug-12             | \$12,814.2         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$86,475.3 |            |            | 0.00   | 0.00   |
| Sep-12             | \$11,249.6         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$97,724.9 |            |            | 0.00   | 0.00   |
| <b>CTD</b>         | <b>\$274,751.4</b> | <b>\$268,772.8</b> | <b>\$273,076.1</b> | <b>0.98</b> | <b>0.98</b> |            |            |            |        |        |

Single-Shell Tanks

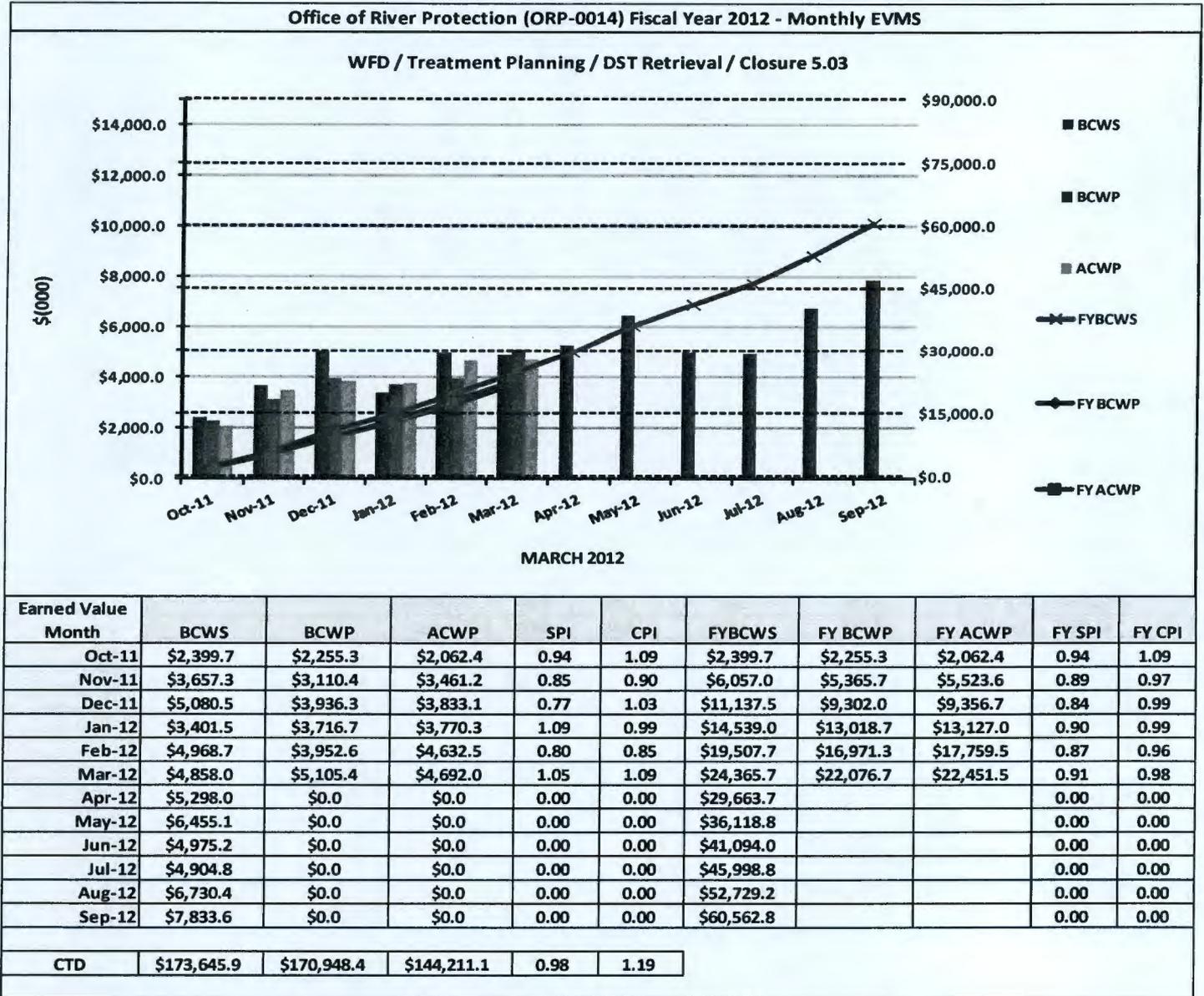
Cost Variance (-\$403K):

The unfavorable cost variance is primarily due to:

- C-112: Extended retrieval sluicing operations and associated crew costs necessitated by the hard waste surface and waste composition. In-tank camera and exhauster repairs have also impacted costs.
- C-108: Hard heel removal operation and costs associated with extended operations for recirculation/caustic dissolution and associated crew costs, additional sampling, and additional water additions. Retrieval operations were completed in March.
- C-107: Failed supernate pump at receiver tank AN-106.
- C-104: Additional hard heel removal scope including design, fabrication, and installation of new equipment to address requirements from the justification for continued operation related to winterization and solids accumulation, calculations to demonstrate compliance with the safety basis, and ventilation/leak detection modifications.

The offsetting favorable cost variance is due to:

- C-105: Cost efficiencies on retrieval system installation activities including removal of abandoned equipment around the central pit to accommodate installation of the new large riser. Efficiencies resulted from the use of a dedicated construction crew with experience from C-107 retrieval and additional soil analysis that allowed for the removal of a greater amount of soil resulting in one instead of multiple excavations.



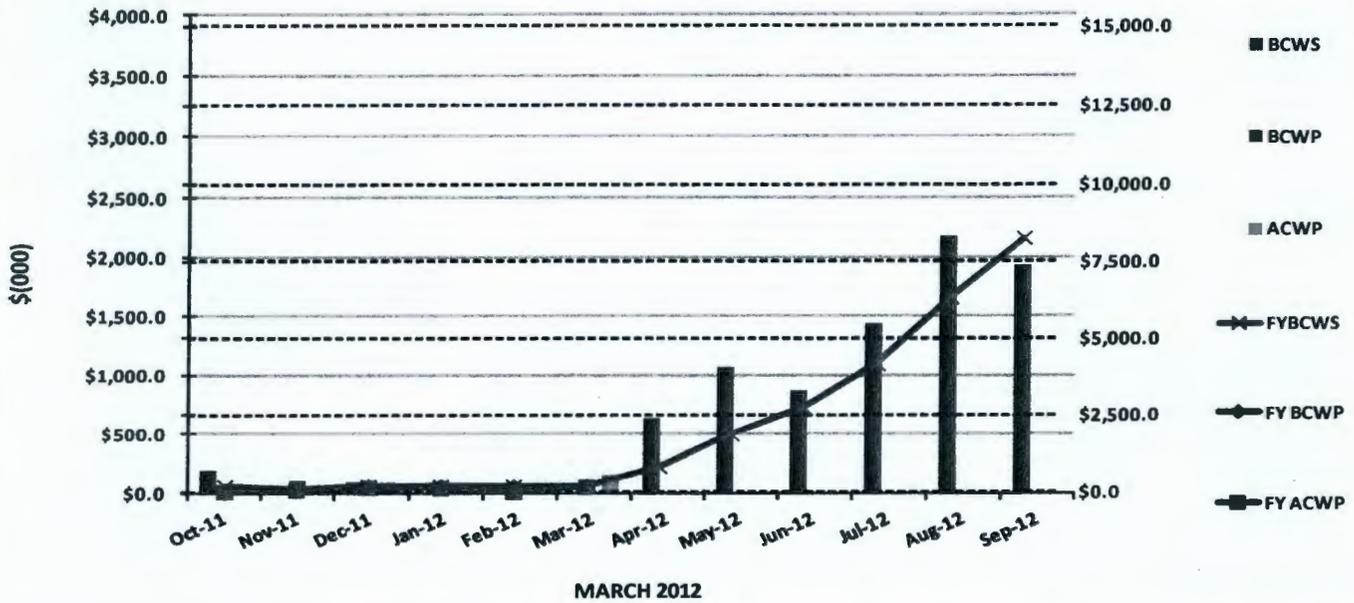
**Waste Feed Delivery/Treatment/DST Retrieval Closure**

Cost Variance:

- The favorable schedule variance is due to work performed by the Savannah River National Laboratory (SRNL) on Waste Feed Delivery solids accumulation. This work is budgeted and progress taken in the WRPS performance measurement baseline, but because it is direct-funded to SRNL through an Inter-Entity Work Order, no costs are received by WRPS (billed to the SRNL), resulting in the cost variance.

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

Supplement Treatment 5.04



MARCH 2012

| Earned Value Month | BCWS              | BCWP              | ACWP              | SPI         | CPI         | FYBCWS    | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|-------------------|-------------------|-------------------|-------------|-------------|-----------|---------|---------|--------|--------|
| Oct-11             | \$187.5           | \$0.0             | \$22.3            | 0.00        | 0.00        | \$187.5   | \$0.0   | \$22.3  | 0.00   | 0.00   |
| Nov-11             | (\$87.7)          | \$99.8            | \$43.3            | (1.14)      | 2.30        | \$99.8    | \$99.8  | \$65.6  | 1.00   | 1.52   |
| Dec-11             | \$84.8            | \$84.8            | \$83.4            | 1.00        | 1.02        | \$184.6   | \$184.6 | \$149.0 | 1.00   | 1.24   |
| Jan-12             | \$0.0             | \$0.0             | (\$26.9)          | 0.00        | 0.00        | \$184.6   | \$184.6 | \$122.1 | 1.00   | 1.51   |
| Feb-12             | \$0.0             | \$0.0             | (\$108.9)         | 0.00        | 0.00        | \$184.6   | \$184.6 | \$13.2  | 1.00   | 13.98  |
| Mar-12             | \$0.0             | \$0.0             | \$151.0           | 0.00        | 0.00        | \$184.6   | \$184.6 | \$164.2 | 1.00   | 1.12   |
| Apr-12             | \$634.0           | \$0.0             | \$0.0             | 0.00        | 0.00        | \$818.6   |         |         | 0.00   | 0.00   |
| May-12             | \$1,056.6         | \$0.0             | \$0.0             | 0.00        | 0.00        | \$1,875.2 |         |         | 0.00   | 0.00   |
| Jun-12             | \$859.6           | \$0.0             | \$0.0             | 0.00        | 0.00        | \$2,734.8 |         |         | 0.00   | 0.00   |
| Jul-12             | \$1,430.3         | \$0.0             | \$0.0             | 0.00        | 0.00        | \$4,165.1 |         |         | 0.00   | 0.00   |
| Aug-12             | \$2,171.8         | \$0.0             | \$0.0             | 0.00        | 0.00        | \$6,336.9 |         |         | 0.00   | 0.00   |
| Sep-12             | \$1,931.1         | \$0.0             | \$0.0             | 0.00        | 0.00        | \$8,268.0 |         |         | 0.00   | 0.00   |
| <b>CTD</b>         | <b>\$13,541.1</b> | <b>\$13,541.1</b> | <b>\$11,512.6</b> | <b>1.00</b> | <b>1.18</b> |           |         |         |        |        |

*Supplemental Treatment*

Variations are 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: On Schedule. Ecology and ORP have begun preliminary discussions.

**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: At Risk. Draft TPA Change Package M-47-12-01 was provided to Ecology at the 03/27/12 PMM. Ecology and ORP have begun preliminary discussions.

**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, etc.) continue on schedule. The project issued the 90% CDR for internal review.

The Secondary Liquid Waste Treatment Project completed a Safeguards and Security Assessment for modifications to the Effluent Treatment Facility. The project conceptual design activities (e.g. Conceptual Design Report, Preliminary Fire Hazard Analysis, Risk Management Plan, Acquisition Plan, etc.) continue on schedule.

### Significant Planned Actions in the Next Six Months:

- Complete Conceptual Design for both the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects.
- Complete the Risk Management Plans for the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects.
- Complete the Safety Design Strategy and Process Hazard Analysis Report for the Interim Hanford Storage Project.
- Complete the Conceptual Safety Design Report for the Interim Hanford Storage project.
- Issue the Preliminary Hazard Analysis Report for the Secondary Liquid Waste Treatment Project.
- Complete Acquisition Plans for both the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects

### Issues:

None

## Supplemental Treatment and Part B Permit Applications

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

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

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

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

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

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

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

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

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

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

### Significant Past Accomplishments:

None

### Significant Planned Actions in the Next Six Months:

None

### Issues:

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**

| <b>Number</b> | <b>Title</b>                                     | <b>Due Date</b> | <b>Status</b>                      |
|---------------|--|-----------------|------------------------------------|
| 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 MAY 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

May 2012

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

| Page | Topic  | Leads                                  |
|------|--|--|
| 3    | Statistics / Status  | James Lynch / Dan McDonald / Jeff Lyon |
| 5    | SST Retrieval and Closure<br>– D-00B-01, -02, -03, -04                       | Chris Kemp / Jeff Lyon                 |
| 6    | Tank Waste Retrieval Work Plan (TWRWP) Status<br>– 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<br>– D-00A-06, D-00A-17, D-00A-01         | Delmar Noyes / Dan McDonald            |
| 12   | WTP Pretreatment (PT) Facility<br>– D-00A-18, -19, -13, -14, -15, 16         | Wahed Abdul / Dan McDonald             |
| 15   | High-Level Waste (HLW) Facility<br>– D-00A-20, -21, 02, 03                   | Gary Olsen / Dan McDonald              |
| 18   | Low-Activity Waste (LAW) Facility<br>– D-00A-07, -08, -09                    | Jeff Bruggeman / Dan McDonald          |
| 21   | Balance of Facilities (BOF)<br>– D-00A-12                                    | Jason Young / Dan McDonald             |
| 23   | Analytical Laboratory (LAB)<br>– D-00A-005                                   |  |

| Milestone   | Title   | Due Date   | Completion Date | Status    |
|---|---|------------|-----------------|-----------|
| <b>Fiscal Year 2012</b>   |   |            |                 |           |
| 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   |                 | On-going  |
| **D-00C-02T   | Submit to Ecology and Oregon Monthly Summary Reports  | 05/31/12   |                 | 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  |
| <b>Fiscal Year 2013</b>   |   |            |                 |           |
| 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  |
| D-00C-01F   | Submit to Ecology & State of Oregon Semi-Annual Report  | 1/31/2013  |                 | On-going  |
| D-00C-01G   | Submit to Ecology & State of Oregon Semi-Annual Report  | 7/31/2013  |                 | On-going  |

| Milestone   | Title                                      | Due Date  | Completion Date | Status   |
|-------------|--|-----------|-----------------|----------|
| D-006-00-A1 | Provide State of Oregon Notice of Meetings | 9/25/2013 |                 | On-going |

## Reports

**D-00C-01 series, Submit to Ecology & State of Oregon Semi-Annual Report, Due: Semi-Annually – January 31<sup>st</sup> and July 31<sup>st</sup> 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-107, C-108, C-109, C-110, C-104, C-111, and C-112.

**D-00B-02, Advise Ecology of the 9 SST's 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. Continued design and procurement for C-101 & 102 bulk retrieval systems.
2. Continued field activities for installation of ventilation system and removal of legacy equipment in C-101 and C-102.
3. Completed removal of thermocouple from C-104 and installed the sampling sleeve.
4. Completed procurement for C-104 Hard Heel Removal equipment.
5. Continued construction activities for removal of equipment at C-105, to support Large Riser installation.
6. Installed equipment for C-109 Hard Heel Removal equipment.
7. Completed installation and testing of AN-106 pump replacement.
8. Completed sampling (data gathering) efforts on C-111 using a Ramon Spectrometer, as a prototype.
9. Completed C-112 bulk retrieval operations.

### Significant Planned Activities in the Next Six Months:

1. Complete construction/installation of the modified sluicing system in C-101.
2. Complete installation of the C-102 ventilation system and removal of legacy equipment.
3. Initiate start up of Hard Heel Removal system for C-104.
4. Complete installation of the C-105 ventilation system and removal of equipment.
5. Complete installation of the Large Riser in C-105.

6. Restart the C-107 retrieval system, complete C-107 bulk retrieval.
7. Initiate hard heel retrieval of C-109.
8. 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   | -  | -                |
| 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                                    | MS-ITV, to be revised to chemical dissolution  | -                |
| C-110 | RPP-33116 | After evaluation of C-108 hard heel retrieval | Modified Sluicing                                    | To be revised to chemical dissolution  | -                |
| C-111 | RPP-37739 | After evaluation of C-108 hard heel retrieval | Modified Sluicing                                    | To be revised to include water soaking and chemical dissolution for the hard crust on the surface of the waste | -                |
| C-112 | RPP-22393 | In Process                                    | Modified Sluicing                                    | Chemical Dissolution   | -                |

**Significant Accomplishments**

None.

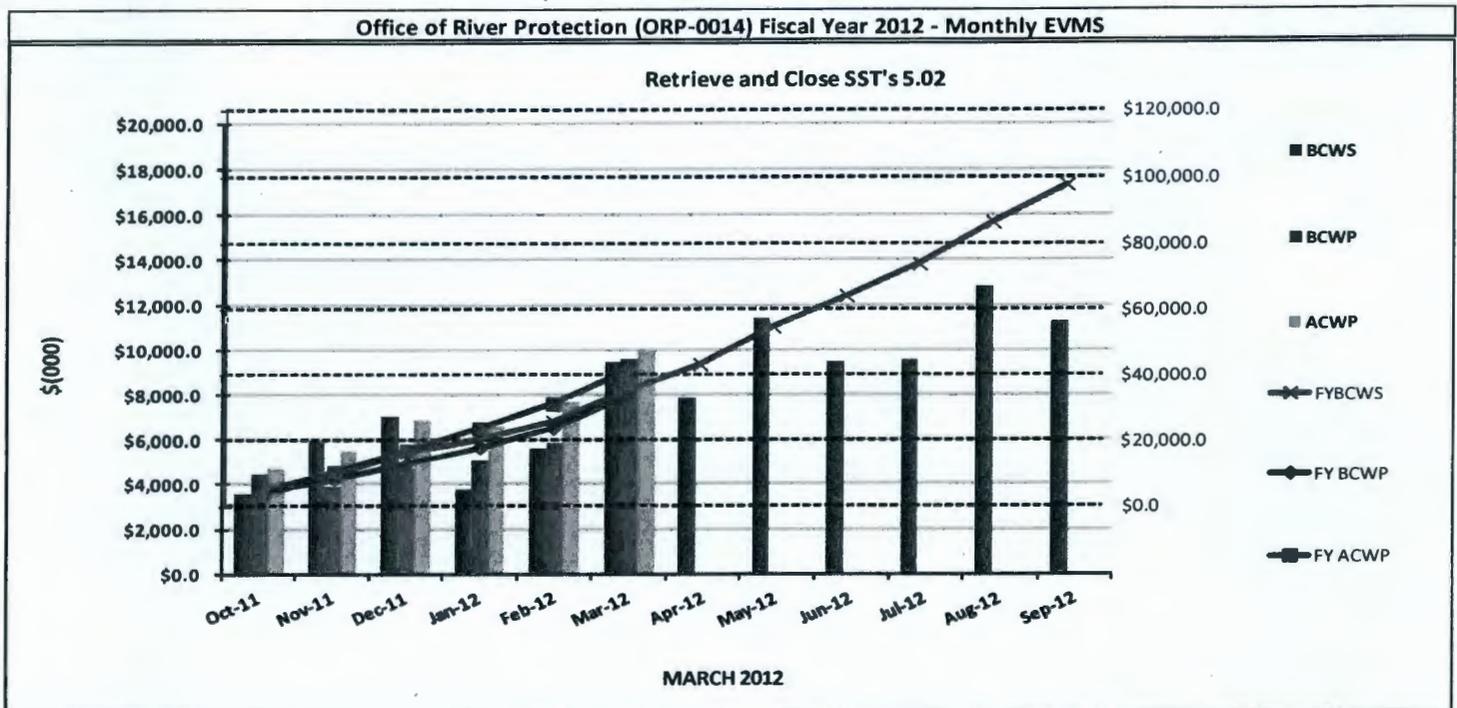
**Significant Planned Activities in the Next 6 Months:**

Work with Ecology on RPP-22520, Rev 7, 241-C-101 and 241-C-105 Tanks Waste Retrieval Work Plan.

**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             | \$7,861.2          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$43,265.7 |            |            | 0.00   | 0.00   |
| May-12             | \$11,365.9         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$54,631.6 |            |            | 0.00   | 0.00   |
| Jun-12             | \$9,473.9          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$64,105.5 |            |            | 0.00   | 0.00   |
| Jul-12             | \$9,555.6          | \$0.0              | \$0.0              | 0.00        | 0.00        | \$73,661.1 |            |            | 0.00   | 0.00   |
| Aug-12             | \$12,814.2         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$86,475.3 |            |            | 0.00   | 0.00   |
| Sep-12             | \$11,249.6         | \$0.0              | \$0.0              | 0.00        | 0.00        | \$97,724.9 |            |            | 0.00   | 0.00   |
| <b>CTD</b>         | <b>\$274,751.4</b> | <b>\$268,772.8</b> | <b>\$273,076.1</b> | <b>0.98</b> | <b>0.98</b> |            |            |            |        |        |

**Single-Shell Tanks**

**Cost Variance (-\$403K):**

The unfavorable cost variance is primarily due to:

- C-112: Extended retrieval sluicing operations and associated crew costs necessitated by the hard waste surface and waste composition. In-tank camera and exhauster repairs have also impacted costs.
- C-108: Hard heel removal operation and costs associated with extended operations for recirculation/caustic dissolution and associated crew costs, additional sampling, and additional water additions. Retrieval operations were completed in March.
- C-107: Failed supernate pump at receiver tank AN-106.
- C-104: Additional hard heel removal scope including design, fabrication, and installation of new equipment to address requirements from the justification for continued operation related to

winterization and solids accumulation, calculations to demonstrate compliance with the safety basis, and ventilation/leak detection modifications.

The offsetting favorable cost variance is due to:

- C-105: Cost efficiencies on retrieval system installation activities including removal of abandoned equipment around the central pit to accommodate installation of the new large riser. Efficiencies resulted from the use of a dedicated construction crew with experience from C-107 retrieval and additional soil analysis that allowed for the removal of a greater amount of soil resulting in one instead of multiple excavations.

**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 3,030 Full-Time Equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel, including 583 craft, 557 non-manual, and about 149 subcontractor personnel FTEs working at the WTP construction site (all facilities). As of March 2012, the project was 64 percent complete overall, design and engineering was 85 percent complete, procurement was 69 percent complete, construction was 61 percent complete, and startup and commissioning was 15 percent complete.

The overall WTP Project schedule variance in March was a positive \$2.5M; the cost variance was a negative \$33.8M. The cost variance was primarily related to Engineering Design, Construction Crafts, and Construction Subcontracts; and the schedule variance was primarily related to Plant Equipment, Bulk Materials, and Plant Materials.

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

**Significant Past Accomplishments:**

- Completed aerosol testing to determine realistic entrainment coefficient for the Process Vessel Vent Exhaust (PVV) for Pretreatment (PT)
- Completed the water run tests in support of the Verification and Validation (V&V) testing for Computational Fluid Dynamics (CFD) for PT
- Completed installation of the remote-operated dampers in the filter cave and the structural steel, which supports the 14ft steel deck, for High Level Waste (HLW)
- Completed 75% of the concrete in HLW with 58ft elevation walls continuing and a majority of the 37ft slabs complete
- Completed the concrete slab above the Container Transfer Room for the Low-Activity Waste (LAW) facility
- Installed Chill Water system expansion joints for Balance of Facilities (BOF)
- Completed Hydrostatic testing for the Chill Water and Plant Service Water systems in the Chiller Compressor Plant BOF
- Completed installation of a high-purity gas helium rack in the exterior Hotcell area in the Analytical Lab (LAB).
- Attended DNFSB 2010-2 Public Meeting on March 22, 2012

**Significant Planned Actions in the Next Six Months:**

- Perform Large Scale Integrated Testing (LSIT) in 4ft and 8ft vessels for the V&V of CFD program for PT
- Receive Plant Wash and Drains vessel for HLW (RLD-VSL-8)
- Complete 37' structural steel in HLW

- Complete installation of LAW melter power supplies
- Complete installation of the LAW autosampler (ASX system)
- Complete installation of the Analytical Lab (LAB) autosampler System
- Complete construction of the BOF cooling tower
- Complete construction of BOF switchgear building

**Issues:**

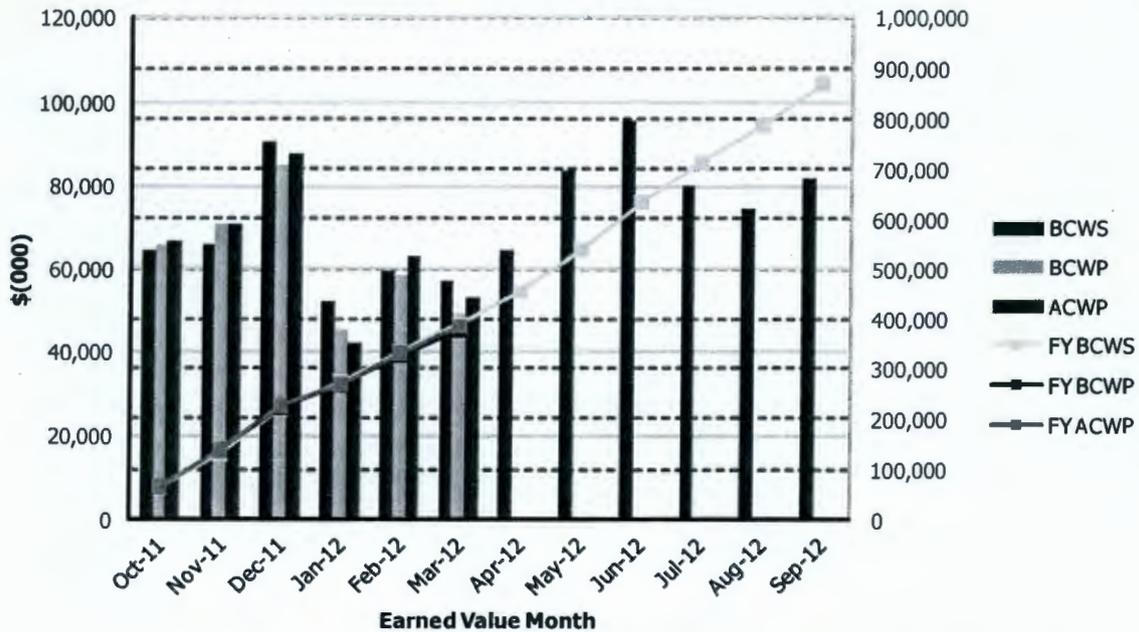
- PT and HLW Facilities: Other issues have potential impacts on the PTF and HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF and HLW.
- No significant technical issues in LAW, LAB or BOF at this time.

Data Set: FY 2012 Earned Value Data

Data as of: March 2012

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

EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS        | BCWP        | ACWP        | SPI  | CPI  | FY BCWS   | FY BCWP   | FY ACWP   | FY SPI | FY CPI |
|--------------------|-------------|-------------|-------------|------|------|-----------|-----------|-----------|--------|--------|
| Oct 2011           | \$64,411    | \$65,869    | \$66,670    | 1.02 | 0.99 | \$64,411  | \$65,869  | \$66,670  | 1.02   | 0.99   |
| Nov 2011           | \$65,647    | \$70,625    | \$70,879    | 1.08 | 1.00 | \$130,058 | \$136,494 | \$137,549 | 1.05   | 0.99   |
| Dec 2011           | \$90,699    | \$85,246    | \$87,845    | 0.94 | 0.97 | \$220,757 | \$221,740 | \$225,394 | 1.00   | 0.98   |
| Jan 2012           | \$52,248    | \$45,149    | \$41,816    | 0.86 | 1.08 | \$273,005 | \$266,889 | \$267,210 | 0.98   | 1.00   |
| Feb 2012           | \$59,271    | \$58,579    | \$63,201    | 0.99 | 0.93 | \$332,276 | \$325,468 | \$330,411 | 0.98   | 0.99   |
| Mar 2012           | \$57,285    | \$49,398    | \$53,161    | 0.86 | 0.93 | \$389,561 | \$374,866 | \$383,572 | 0.96   | 0.98   |
| Apr 2012           | \$64,587    |             |             | 0.00 |      | \$454,148 |           |           | 0.00   |        |
| May 2012           | \$83,766    |             |             | 0.00 |      | \$537,914 |           |           | 0.00   |        |
| Jun 2012           | \$95,717    |             |             | 0.00 |      | \$633,631 |           |           | 0.00   |        |
| Jul 2012           | \$80,199    |             |             | 0.00 |      | \$713,830 |           |           | 0.00   |        |
| Aug 2012           | \$74,342    |             |             | 0.00 |      | \$788,172 |           |           | 0.00   |        |
| Sep 2012           | \$81,928    |             |             | 0.00 |      | \$870,099 |           |           | 0.00   |        |
| PTD                | \$6,853,309 | \$6,855,821 | \$6,889,597 | 1.00 | 1.00 |           |           |           |        |        |

**PRETREATMENT (PT) FACILITY**

| <b>Number</b> | <b>Title</b>  | <b>Due Date</b> | <b>Status</b>                   |
|---------------|---|-----------------|---------------------------------|
| D-00A-19      | Complete Elevation 98' Concrete Floor Slab in PT Facility     | 12/31/2014      | On-going*<br>(see issues below) |
| D-00A-13      | Complete Installation of Pretreatment Feed Separation Vessels | 12/31/2015      | On-going*<br>(see issues below) |
| D-00A-14      | PT Facility Construction Substantially Complete               | 12/31/2017      | On-going*<br>(see issues below) |
| D-00A-15      | Start PT Facility Cold Commissioning                          | 12/31/2018      | On-going*<br>(see issues below) |
| D-00A-16      | PT Facility Hot Commissioning Complete                        | 12/31/2019      | On-going*<br>(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 March 2012, the PT Facility was 53 percent complete overall, with engineering design 78 percent complete, procurement 51 percent complete, construction 42 percent complete, and startup and commissioning was 4 percent complete.

**Significant Past Accomplishments:**

On-going PT construction has been limited to installation of rebar and embedded conduit for the placement of Control Building base mat, structural steel at the 77ft elevation, Heating, Ventilation, and Air Conditioning (HVAC) duct in the hot cell and roof decking. The first two control building base mat concrete pours have been made.

Aerosol testing to determine realistic entrainment coefficient for the Process Vessel Vent Exhaust (PVV) system conducted at the Parsons Facility in Pasco has been completed. The preliminary results for both the small and medium scale tests are positive. The final report documenting the results will be completed in June 2012.

BNI is actively working to resolve issues regarding vessel material selection and mixing. The steps identified in the erosion/corrosion action plan, issued in April 2012, to address the material selection issue are being implemented. Computational Fluid Dynamics (CFD) Verification and Validation (V&V) simulant tests to address the mixing issue are forecasted to start in June 2012. Planning is ongoing for the path forward for the non-Newtonian vessels that may include additional scaling testing and/or other alternate methods which are still under development.

Prepared and submitted two DNFSB 2010-2 Implementation Plan deliverables.

The hydrogen generation rate calculations and development of the route packages in support of resolving the Hydrogen in Piping and Ancillary Vessels (HPAV) issue have started.

**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 placements for the Control Building base mat
- Complete Hazards and Operability Analysis (HAZOP) for pretreatment Vessel Vent Process (PVP) system
- Issue jumpers phase 2 frame design for hot cell areas 29, 30 and 36
- Complete resolution of the material selection issues with the vessels
- Perform Large Scale Integrated Testing (LSIT) in 4ft and 8ft vessels for the V&V of CFD program

**Issues:**

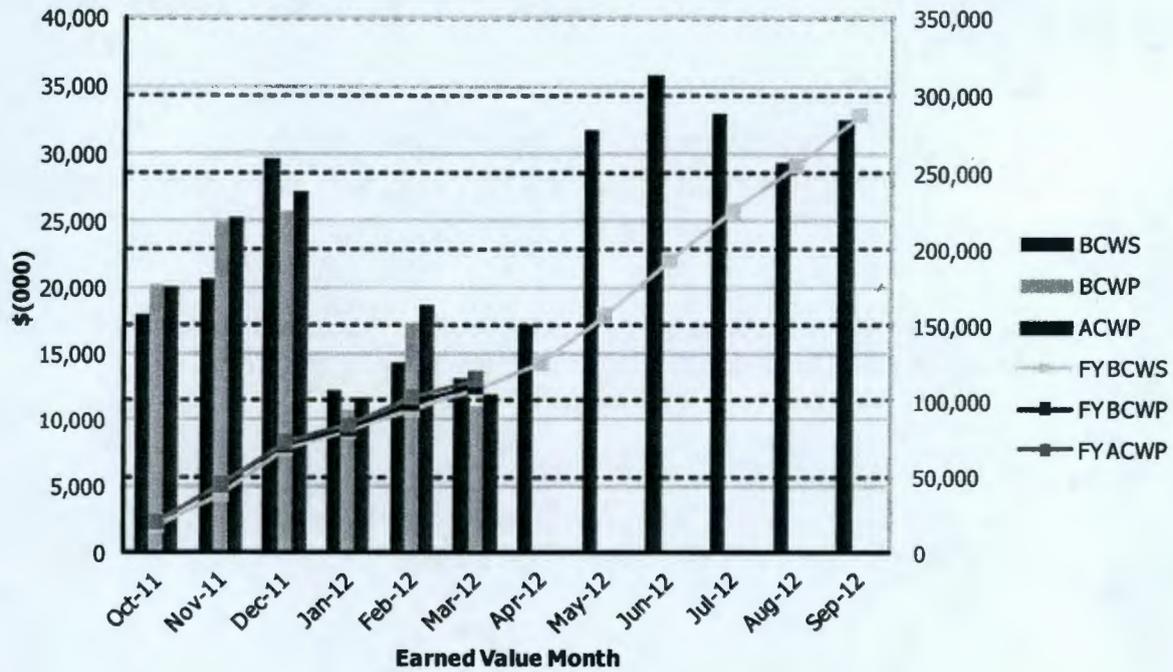
\* Other issues have potential impacts on the PT schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF.

Data Set: FY 2012 Earned Value Data

Data as of: March 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           | \$17,121 |          |          | 0.00 |      | \$125,016 |           |           | 0.00   |        |
| May 2012           | \$31,749 |          |          | 0.00 |      | \$156,766 |           |           | 0.00   |        |
| Jun 2012           | \$35,807 |          |          | 0.00 |      | \$192,572 |           |           | 0.00   |        |
| Jul 2012           | \$32,977 |          |          | 0.00 |      | \$225,550 |           |           | 0.00   |        |
| Aug 2012           | \$29,294 |          |          | 0.00 |      | \$254,844 |           |           | 0.00   |        |
| Sep 2012           | \$32,525 |          |          | 0.00 |      | \$287,369 |           |           | 0.00   |        |

**HIGH-LEVEL WASTE (HLW) FACILITY**

| <b>Number</b> | <b>Title</b>   | <b>Due Date</b> | <b>Status</b>                   |
|---------------|--|-----------------|---------------------------------|
| 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*<br>(see issues below) |
| D-00A-03      | Start HLW Facility Cold Commissioning                            | 6/30/2018       | On-going*<br>(see issues below) |
| D-00A-04      | HLW Facility Hot Commissioning Complete                          | 12/31/2019      | On-going*<br>(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 75 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 forecast finish date is early October 2012 and compliance date is December 31, 2012. All of the materials to complete the Milestone have been delivered and are on site. The remaining steel erection consists primarily of 20 beams in the Filter Cave and 4 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 completed. The steel decking installation has commenced and good progress is being made.

The seismic rails for the decontamination rinse bogie have been set. 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 last shield door (HSH-DOOR-00003) for HLW has been received at the site in April. This completes a 9-year procurement effort in purchasing the large shield doors for HLW which are important for future worker safety.

Fabrication of Plant Wash and Drain Vessel (RLD-VSL-08) was completed; it has been shipped from its location in England and 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 TCO's are scheduled for delivery to the site in early July.

**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
- Stage Rinse Bogie with Rinse Vessel in Canister Rinse Tunnel

**Issues:**

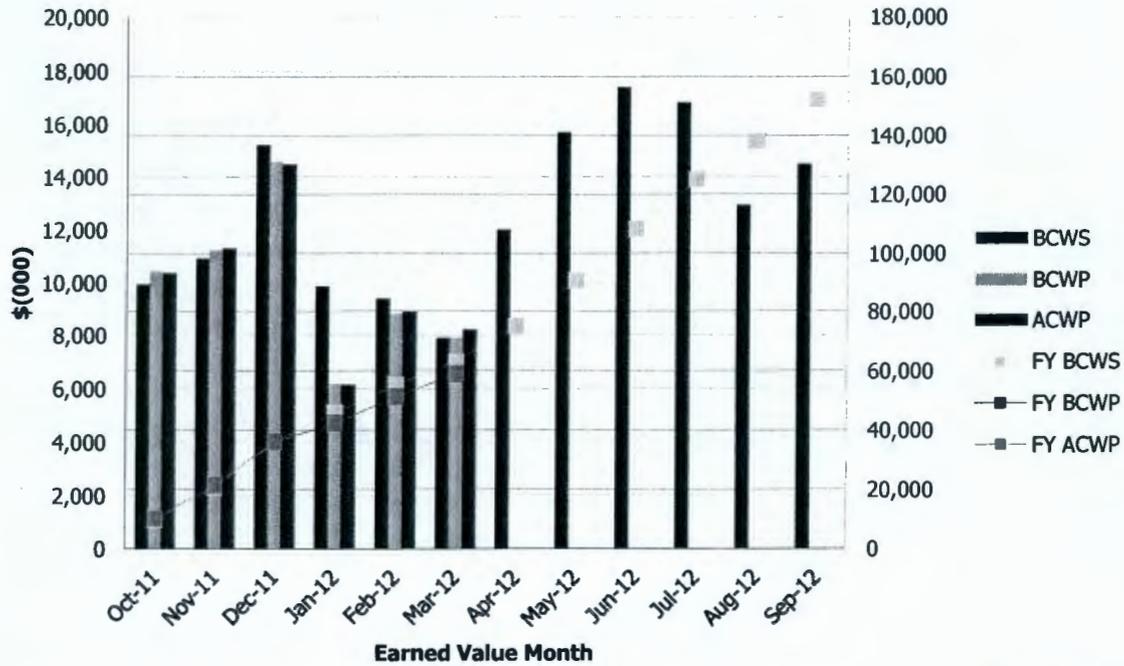
\* Various issues may have potential impacts on the HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the HLW.

Data Set: FY 2012 Earned Value Data

Data as of: March 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           | \$12,000 |          |          | 0.00 |      | \$75,243  |          |          | 0.00   |        |
| May 2012           | \$15,677 |          |          | 0.00 |      | \$90,920  |          |          | 0.00   |        |
| Jun 2012           | \$17,388 |          |          | 0.00 |      | \$108,308 |          |          | 0.00   |        |
| Jul 2012           | \$16,812 |          |          | 0.00 |      | \$125,119 |          |          | 0.00   |        |
| Aug 2012           | \$12,944 |          |          | 0.00 |      | \$138,063 |          |          | 0.00   |        |
| Sep 2012           | \$14,486 |          |          | 0.00 |      | \$152,549 |          |          | 0.00   |        |

|     |           |           |           |      |      |
|-----|-----------|-----------|-----------|------|------|
| PTD | \$892,736 | \$890,760 | \$884,447 | 1.00 | 1.01 |
|-----|-----------|-----------|-----------|------|------|

**LOW-ACTIVITY WASTE (LAW) FACILITY**

| <b>Number</b> | <b>Title</b>                                     | <b>Due Date</b> | <b>Status</b> |
|---------------|--|-----------------|---------------|
| 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 85 percent complete, procurement 87 percent complete, construction 69 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 Melter Process (LMP), LAW Melter Feed Process (LFP), and LAW Secondary Off-Gas/Vessel Vent Process (LVP) systems. Also, control logic diagrams were issued for the LAW Container Pour Handling (LPH) and Demineralized Water (DIW) system.

Equipment qualification data sheets for LVP system preheaters were issued. Single-line diagrams were issued for the Low-Voltage Electrical (LVE) system. Piping isometric drawings for the LAW Primary Off-Gas Processing (LOP), LMP, Non-Radioactive Liquid Waste Disposal (NLD), Plant Service Air (PSA), Process Service Water (PSW), and Plant Cooling Water (PCW) systems were issued. Piping support drawings were issued for the LAW Secondary Off-Gas/Vessel Vent Process (LVP), Chilled Water (CHW), and Process Service Water (PSW) systems.

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. The three exhausters were received from the vendor and staged on the +48' elevation.

The primary areas of construction focus continued to be LAW facility partition wall installation and equipment installation for the Container Finishing Handling (LFH) system. For example, installation of the decontamination manipulators, finishing line dual-rail hoists, and the trolley/bogie cars for the LFH system continued. The concrete slab above the Container Transfer Room was placed.

Construction activities were initiated to install the electrical equipment in the annex, remove the melter #2 shield/gas barrier lid, and plumbing lay out/roughing in the annex. Other on-going construction activities included installation of Low-Voltage Electrical (LVE) non-segmented bus ducts in chases. Piping was installed in the process cells and cable tray/engineered supports in the north finishing line.

Completed review of software functional requirements for the following system:

- LAW Secondary Off-Gas/Vessel Vent Process (LVP)

**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
- Begin Melter #1 Refractory Installation

**Issues:**

No major issues at this time.

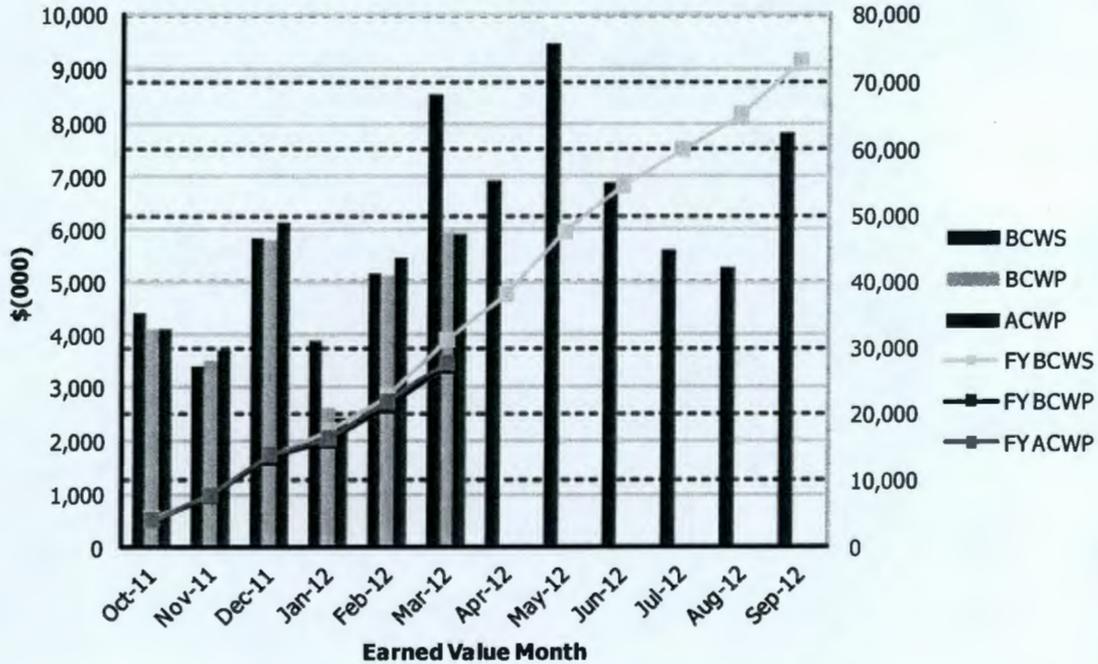
**EXC-01a: Fiscal Year Cost and Schedule Report**

Data Set: FY 2012 Earned Value Data

Data as of: March 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           | \$6,920   |           |           | 0.00 |      | \$38,123 |          |          | 0.00   |        |
| May 2012           | \$9,462   |           |           | 0.00 |      | \$47,586 |          |          | 0.00   |        |
| Jun 2012           | \$6,892   |           |           | 0.00 |      | \$54,478 |          |          | 0.00   |        |
| Jul 2012           | \$5,606   |           |           | 0.00 |      | \$60,084 |          |          | 0.00   |        |
| Aug 2012           | \$5,257   |           |           | 0.00 |      | \$65,342 |          |          | 0.00   |        |
| Sep 2012           | \$7,821   |           |           | 0.00 |      | \$73,162 |          |          | 0.00   |        |
| PTD                | \$667,787 | \$664,389 | \$710,251 | 0.99 | 0.94 |          |          |          |        |        |

**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 8 percent complete.

**Significant Past Accomplishments:**

Oversight efforts are focused on identification of the individual facility requirements within BOF to support facility completion and turnover to the startup organization. While individual BOF facilities are not subject to a formal Operational Readiness Review (ORR), each facility will be evaluated to verify the adequacy of design and readiness for operation. The first stage of this validation will occur as part of the turnover from construction to the startup organization for component level testing.

As necessary to support facility completion, the WTP contractor conducts 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) and Chiller Compressor Plant (CCP). In support of WTP site energization, Interface Control Document (ICD) 11 “Interface Control Document for Electricity” has been updated.

Recent accomplishments for the BOF team are:

- Installed Chill Water system expansion joints
- Completed Hydrostatic testing for the Chill Water and Plant Service Water systems in the Chiller Compressor Plant
- Completed excavation of the Low-Voltage duct bank, north of the Glass Former Storage Facility
- Issued system software acceptance test report for the Cooling Tower Facility
- Completed installation of Non-Radioactive Liquid (NLD) waste disposal system tank instrumentation

**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.

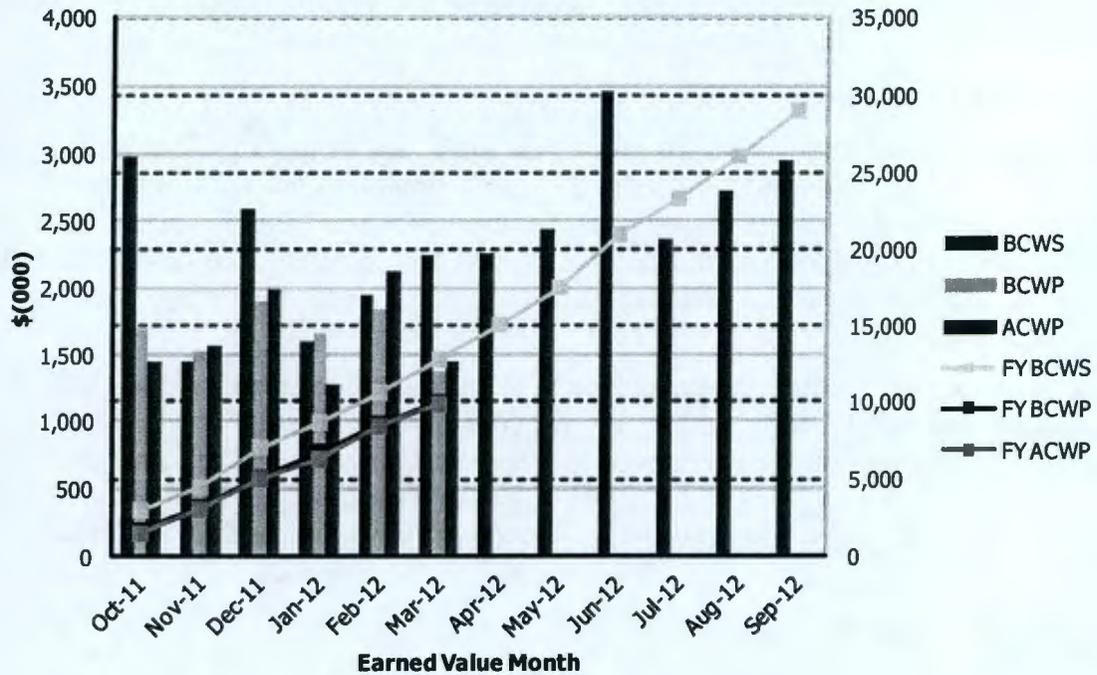
### EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: March 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           | \$2,256          |                  |                  | 0.00        |             | \$15,069 |         |         | 0.00   |        |
| May 2012           | \$2,444          |                  |                  | 0.00        |             | \$17,513 |         |         | 0.00   |        |
| Jun 2012           | \$3,461          |                  |                  | 0.00        |             | \$20,975 |         |         | 0.00   |        |
| Jul 2012           | \$2,356          |                  |                  | 0.00        |             | \$23,331 |         |         | 0.00   |        |
| Aug 2012           | \$2,727          |                  |                  | 0.00        |             | \$26,058 |         |         | 0.00   |        |
| Sep 2012           | \$2,946          |                  |                  | 0.00        |             | \$29,004 |         |         | 0.00   |        |
| <b>PTD</b>         | <b>\$266,656</b> | <b>\$262,085</b> | <b>\$258,884</b> | <b>0.98</b> | <b>1.01</b> |          |         |         |        |        |

**ANALYTICAL LABORATORY**

| <b>Number</b> | <b>Title</b>                            | <b>Due Date</b> | <b>Status</b> |
|---------------|---|-----------------|---------------|
| 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 52 percent complete overall, with engineering design 79 percent complete, procurement 75 percent complete, construction 80 percent complete, and startup and commissioning is 10 percent complete.

**Significant Past Accomplishments:**

Efforts of the LAB team continue 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.

Modifications to the HVAC system are on-going to support installation of test ports and relocation of electrical equipment originally destined for the WTP administrative building.

Recent accomplishments for the LAB team are listed below:

- Completed the installation of bulk piping for radiological laboratory cabinets
- Completed installation of a high-purity gas helium rack in the exterior Hotcell area
- Began installation of sprinkler heads and fire service risers in the southwest and north riser rooms
- Issued block diagrams for Chill Water system pumps
- Issued termination schedule for low voltage electric system

**Significant Planned Actions in the Next Six Months:**

- Install Autosampler HEPA filter housings frames
- Complete installation of Autosampler System
- Set pumps in C5 pit
- Install Hot Cell import/export motors

**Issues:**

No major issues.

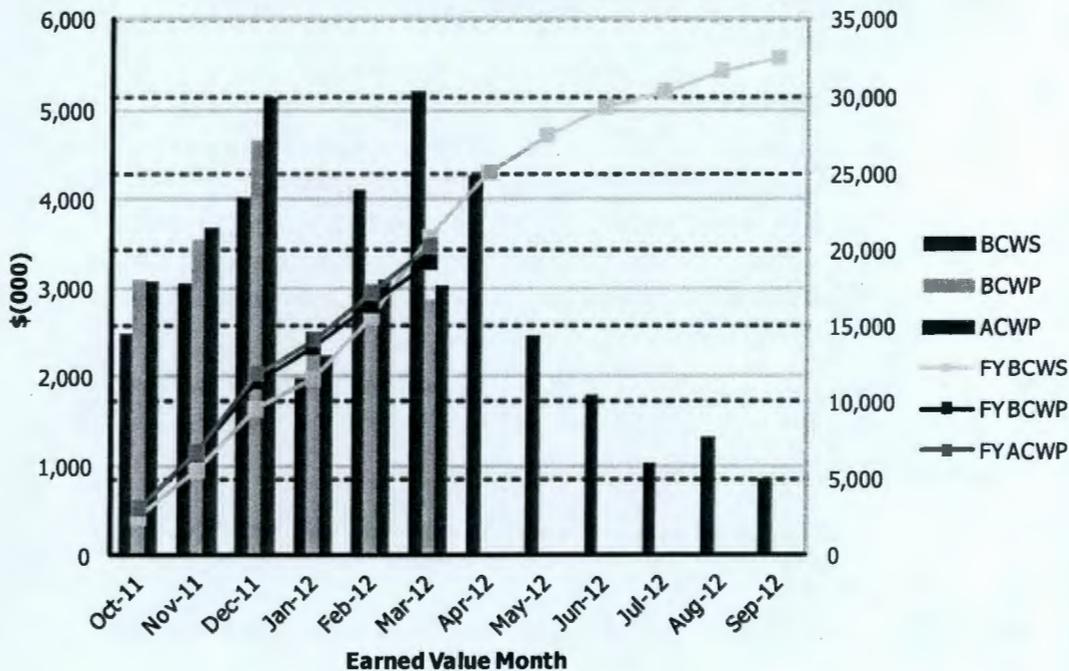
### EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: March 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           | \$4,259          |                  |                  | 0.00        |             | \$25,079 |          |          | 0.00   |        |
| May 2012           | \$2,468          |                  |                  | 0.00        |             | \$27,546 |          |          | 0.00   |        |
| Jun 2012           | \$1,798          |                  |                  | 0.00        |             | \$29,344 |          |          | 0.00   |        |
| Jul 2012           | \$1,024          |                  |                  | 0.00        |             | \$30,368 |          |          | 0.00   |        |
| Aug 2012           | \$1,309          |                  |                  | 0.00        |             | \$31,677 |          |          | 0.00   |        |
| Sep 2012           | \$838            |                  |                  | 0.00        |             | \$32,515 |          |          | 0.00   |        |
| <b>PTD</b>         | <b>\$190,623</b> | <b>\$187,691</b> | <b>\$201,009</b> | <b>0.98</b> | <b>0.93</b> |          |          |          |        |        |

| Waste Treatment Plant Project - Percent Complete Status<br>Through March 2012 |  |   |               |   |  |               |   |  |               |   |  |               |   |  |               |
|---|--|---|---------------|---|--|---------------|---|--|---------------|---|--|---------------|---|--|---------------|
| (Dollars - Millions)  | Overall Facility Percent Complete<br>Unallocated Dollars |   |               | Design/Engineering<br>Unallocated Dollars       |  |               | Procurement<br>Unallocated Dollars              |  |               | Construction<br>Unallocated Dollars             |  |               | Startup & Commissioning<br>Unallocated Dollars  |  |               |
|   | Performance<br>Measurement<br>Baseline<br>(PMB)          | Budgeted<br>Cost of Work<br>Performed<br>(BCWP) | %<br>Complete | Performance<br>Measurement<br>Baseline<br>(PMB) | Budgeted<br>Cost of<br>Work<br>Performed<br>(BCWP) | %<br>Complete |
| Facilities  |  |   |               |   |  |               |   |  |               |   |  |               |   |  |               |
| Low-Activity Waste  | 982.2  | 664.4   | 68%           | 244.8   | 207.9  | 85%           | 240.9   | 210.6  | 87%           | 346.4   | 239.4  | 69%           | 150.1   | 6.6  | 4%            |
| Analytical Lab  | 358.8  | 187.7   | 52%           | 57.5  | 44.8   | 78%           | 56.2  | 42.2   | 75%           | 108.6   | 86.7   | 80%           | 136.5   | 13.2   | 10%           |
| Balance of Facilities   | 537.3  | 262.1   | 49%           | 88.5  | 64.3   | 73%           | 81.4  | 39.1   | 48%           | 230.8   | 147.1  | 64%           | 136.5   | 11.6   | 8%            |
| High-Level Waste  | 1,515.3  | 890.8   | 59%           | 355.3   | 304.6  | 86%           | 457.9   | 345.1  | 75%           | 582.1   | 236.2  | 41%           | 120.0   | 4.8  | 4%            |
| Pretreatment  | 2,588.4  | 1,359.4   | 53%           | 774.0   | 602.6  | 78%           | 713.5   | 367.2  | 51%           | 914.6   | 382.5  | 42%           | 186.4   | 7.1  | 4%            |
| Shared Services   | 4,714.8  | 3,491.5   | 74%           | 1,004.9   | 917.2  | 91%           | 471.5   | 393.4  | 83%           | 1,431.5   | 1,103.7  | 77%           | 455.8   | 129.1  | 28%           |
| <b>Total WTP w/o UB</b>   | <b>10,696.9</b>  | <b>6,855.8</b>                                  | <b>64%</b>    | <b>2,524.9</b>                                  | <b>2,141.3</b>                                     | <b>85%</b>    | <b>2,021.5</b>                                  | <b>1,397.7</b>                                     | <b>69%</b>    | <b>3,614.1</b>                                  | <b>2,195.7</b>                                     | <b>61%</b>    | <b>1,185.3</b>                                  | <b>172.4</b>                                       | <b>15%</b>    |
| Undistributed Budget  | 0.0  | n/a   | n/a           | n/a   | n/a  | n/a           | n/a   | n/a  | n/a           | n/a   | n/a  | n/a           | n/a   | n/a  | n/a           |
| <b>,Total WTP</b>   | <b>10,696.9</b>  | <b>6,855.8</b>                                  | <b>64%</b>    | <b>2,524.9</b>                                  | <b>2,141.3</b>                                     | <b>85%</b>    | <b>2,021.5</b>                                  | <b>1,397.7</b>                                     | <b>69%</b>    | <b>3,614.1</b>                                  | <b>2,195.7</b>                                     | <b>61%</b>    | <b>1,185.3</b>                                  | <b>172.4</b>                                       | <b>15%</b>    |

Source: Preliminary WTP Contract Performance Report - Format 1, Data for March 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 I 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 Services.

## ORP/Ecology TPA and CD Agreements, Issues, and Actions May 2012

### Agreements:

1. Meetings for M-45-101(Component ID and Closure Strategy) and M-045-81 (Pipeline Feasibility Evaluation) documents will be held in May. Following these meetings, ORP and ECY PMs will clarify any issues and/or disputes and elevate them to senior management by the end of June.
2. M-045-80 Item 1 (Description of Radioactive Waste Determination Process) – ORP will provide an update addressing ECY's final comments by the end of May.
3. ORP will continue to meet with ECY to discuss funding and work priorities.
4. 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).
5. The ORP and ECY PMs have developed, signed, and entered an outline for the CD Tank Completion Certification into the TPA Administrative Record. Senior management will continue to be briefed if any follow-on actions arise.

### Issues:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the Senior Management levels.
2. ORP provided a draft Agreement In Principle (AIP) to ECY on 05/09/12 for TPA Primary Document RPP-9937, Single Shell Tank Leak Detection and Monitoring Functions and Requirements. ECY provided PM-level comments on 05/14/12. ORP and ECY PMs would like to elevate these discussions to their Senior Management for consideration with a target to reach final decision on whether or not to enter the agreement by 06/15/12.

### 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 post May 2012. Actionee: Chris Kemp/Susan Eberlein. **Open.**
3. ECY will provide approval or other action on M-045-58 and M-045-60 workplans. Actionee: Jeff Lyon. **Open.** ECY letter 12-NWP-071 was provided on 05/08/12, approving proposed changes for M-045-60 documents. This closes the M-045-60 piece of this action and it will be reworded to reflect completion of M-045-58 only. Per 12-NWP-071, Action 12 and its sub-actions have been added to support the completion of RCRA RFI/CMS Study work.
4. ORP/WRPS will setup a meeting to discuss results from vadose zone data for C-101 TWRWP (May 2012 timeframe). Actionee: Chris Kemp/Jeff Luke

## ORP/Ecology TPA and CD Agreements, Issues, and Actions May 2012

5. 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.**
6. ORP will provide information to ECY (Lyon) on Mixer Pump work for Waste Feed Delivery. Actionee: Glyn Trenchard. **Open.**
7. ORP and ECY have begun discussions on a path forward for M-047-06. Actionee: Steve Pfaff/Tom Fletcher. **Open.** A draft Agreement In Principle and draft change package is under ECY review.
8. A draft change package for M-045-92 Barrier Milestones is under ECY review. Actionees: Jeff Lyon/Chris Kemp/Susan Eberlein. **Open.**
9. 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.**
10. ECY has an inquiry about MAPEP 25: 222-S Performance Evaluation Data and what actions were taken to correct analytical performance and current status of the 222-S state accreditation. Actionee: Jeremy Johnson. **Closed.** ORP provided a discussion/documents detailing MAPEP-25: 222-S Performance Evaluation Data, actions to correct analytical performance, and current accreditation status via email to ECY on 05/14/12.
11. ORP will provide a list of Waste Feed Delivery work activities to ECY. Actionee: Jeremy Johnson. **Closed.** ORP provided a list and description of current WFD work activities to ECY via email on 05/16/12.
12. 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
    - 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.**

**Recent Items Entered/To Be Entered into the TPA Administrative Record for May 2012**

(see <http://www5.hanford.gov/arpir/?content=advancedSearch> - search EDMC File Number)

| <b>Item Description</b>   | <b>TPA/CD Topic<br/>Milestone Tie</b> | <b>TPA Admin Record –<br/>EDMC File Number</b> |
|---|---------------------------------------|--|
| Transmittal of the Draft Hanford Facility Dangerous Waste Permit Revision 9, 12-NWP-055             | Various                               | 1213555  |
| April 2012 ORP CD Monthly Report  | All                                   | 1213441  |
| April 2012 ORP TPA Monthly Report   | All                                   | 1213440  |
| ORP March 2012 TPA PMM Meeting Minutes  | All                                   | 1213438  |
| TPA Change Control form M-45-12-02  | M-045-84                              | 1212836  |
| TPA Change Control form M-45-12-03  | M-045-85                              | 1212835  |
| Completion letter 12-TF-0009 for Ionic Conductivity Assessment Report RPP-ASMT-51526, sent 05/02/12 | M-045-91F-T03                         | 1213921  |
| Meeting Minutes: C-108 Chemical Retrieval, held 04/20/12  | D-00B-01                              | In process                                     |
| Meeting Minutes: C-112 Modified Sluicing, held 04/25/12   | D-00B-01                              | In process                                     |