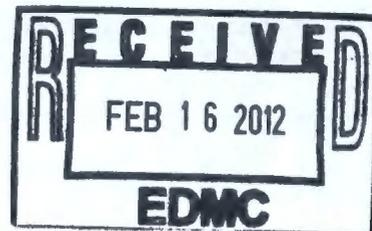


FINAL

Office of River Protection
Tri-Party Agreement
Monthly Summary Report
February 2012



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

Page	Topic	Leads
1	Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon
2	Single-Shell Tank Corrective Action; M-45, -50, -60	Bob Lober / Jeff Lyon
4	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tank Retrievals with Individual Milestones	Chris Kemp / Jeff Lyon
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
14	Tank Operations Contract (TOC) Overview	Janet Diediker / Jeff Lyon
19	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald
20	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald
21	System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald
22	WTP Overall TPA Summary and Milestones Status; M-62-01	Delmar Noyes / Dan McDonald
24	WTP Pretreatment (PT) Facility	Wahed Abdul / Dan McDonald
27	WTP High-Level Waste (HLW) Facility	Gary Olsen / Dan McDonald
29	WTP Low-Activity Waste (LAW) Facility	Jeff Bruggeman / Dan McDonald
31	WTP Balance of Facilities (BOF)	Jason Young / Dan McDonald
33	WTP Analytical Laboratory (LAB)	

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2012				
M-062-40B	Submit System Plan	10/31/2011	10/21/2011	Completed
M-062-49	Sub. Report to ECY Demonstrating WTP Design Meets Vit. Criteria	10/31/2011	10/27/2011	Completed
M-045-91B	DOE Submit a Sampling and Analysis Plan to Ecology	12/30/2011	9/20/2011	Completed
M-045-92F	Meet Yearly on Performance of Barrier	12/31/2011	11/30/2011	Completed
M-045-91G-T02	Provide AOR Final Doc. for SSTs on 750,000 Gallon Tanks	1/31/2012	11/18/2011	Completed
M-062-01X	Submit Semi-Annual Project Compliance Report	1/31/2012	1/27/2012	Completed
M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	3/31/2012	6/27/2011	Completed
M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05	3/31/2012		On Schedule
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		On Schedule
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
Fiscal Year 2013				
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		On Schedule
M-045-92O	Barrier 3 Design/Monitoring Submittal to Ecology	6/30/2013		On Schedule
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. Master Work Plan is in the Primary document revision process. ORP transmitted its response to Ecology on August 18, 2010. Ecology extended review of comment responses to October 29, 2010. Ecology requested at the October PMM a two week extension from October 27, 2010. ORP acknowledged that Ecology's comment response will be considered in abeyance until DOE-ORP, Ecology, and EPA complete their negotiation of the AIP applicable to Appendix I. Ecology assumed that negotiations would be done December 24, 2010. They have been extended.

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 workplan modifications and sampling optimization strategy on September 22, 2011. September meeting minutes, which document efforts, were signed 11/09/2011 by parties and were subsequently entered into the administrative record. A draft Work Plan/SAP Modification and TPA Change Notice was formally submitted to Ecology on 1/05/2012 with a requested response by 2/10/2012.

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 needed and technical scope discussions are being established. See issues below.

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.
- Analysis of barrier monitoring data collected to date has been performed and results compiled into a draft document which has been provided to Ecology for review.
- Continued laboratory analysis of direct push soil samples previously obtained in C farm and other farms
- Performed additional updates to WMA C RFI/CMS work plan and SAP based on requested changes from Ecology, and provided draft updated documents to Ecology with a TPA change notice.
- Completed analytical report for soil samples obtained in BY farm east and west, and the southern area of S farm in support of potential barrier site characterization.
- Completed analytical report for soil samples obtained in C farm at site I (near UPR-E-11) and site J (slant push under C-104).

Significant Planned Actions in the Next Six Months:

- Finalize updates to WMA C RFI/CMS workplan and SAP based on Ecology's review 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 and other farms.

Issues:

FY2012 funding constraints will impact FY2012 scheduled work. Final Congressional appropriation information has been received. TPA change packages will be developed as needed.

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 1 extension to the comment resolution period in 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 response of March 15, 2012.

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. A TPA extension is in place until March 15, 2012 for WIR Process response.

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 first 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. 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 the December 2011 Project Managers Meeting.

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 delaying the final numeric modeling supporting the WMA C performance assessment to align the timing with completion of the Tank Closure and Waste Management EIS. 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. (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.)

Issues:

None

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 switched tank S-102 to A-103 with a completion date of 09/30/2022 for M-045-15.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, 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.

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-Jan-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
5.02.02.06.01 C-101 Retrieval																															
HHA-3C001B	C-101 Retrieval Design	144	36	18-Oct-10 A	13-Mar-12	75	-47																								
HHA-3C001CA	C-101 Retrieval Procurement - Receive Equipment	60	139	08-Aug-11 A	07-Aug-12	72	-43																								
HHA-3C001E	C-101 Retrieval System Installation	48	0	16-May-11 A	02-Nov-11 A		-1																								
HHA-3C001EA	C-101 Retrieval System Installation - FY12	169	176	02-Dec-11 A	28-Sep-12	35	0																								
HHA-3C001F	C-101 Retrieval Startup and Readiness - FY12	47	47	25-Jul-12	28-Sep-12	35	0																								
HHA-3C001F1	C-101 Retrieval Startup and Readiness - FY13	23	23	01-Oct-12	31-Oct-12	35	0																								
HHA-3C001G	C-101 Retrieval Operations (MS)	84	84	01-Nov-12	06-Mar-13	35	0																								
HHA-3C001M1	C-101 Sample for Hard Heel Removal Decision	107	107	07-Mar-13	06-Aug-13	35	0																								
HHA-3C001T	C-101 Hard Heel Rmvl Design & Engineering Support	195	195	07-Aug-13	15-May-14	35	0																								
HHA-3C001R	C-101 Hard Heel Rmvl Procurement	125	125	03-Oct-13	03-Apr-14	35	0																								
HHA-3C001S	C-101 Hard Heel Rmvl Installation	70	70	06-Feb-14	15-May-14	35	0																								
HHA-3C001M	C-101 Hard Heel Rmvl Operations	40	40	16-May-14	14-Jul-14	35	0																								
5.02.02.06.02 C-102 Retrieval																															
HHA-1C002B	C-102 Retrieval Design	108	6	07-Dec-10 A	30-Jan-12	41	-16																								
HHA-1C002C	C-102 Retrieval Procurement	80	125	15-Aug-11 A	07-Aug-12	57	-41																								
HHA-1C002E	C-102 Retrieval System Installation	185	180	10-Oct-11 A	04-Oct-12	17	0																								
HHA-1C002F	C-102 Retrieval Startup and Readiness FY12	46	46	23-Jul-12*	25-Sep-12	17	0																								
HHA-1C002F1	C-102 Retrieval Startup and Readiness FY13	24	24	26-Sep-12	29-Oct-12	17	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																								
5.02.02.06.04 C-104 Retrieval																															
HHA-1C004C	C-104 Hard Heel Rmvl - Caustic Dissolution	165	92	14-Nov-11 A	31-May-12	62	-2																								
5.02.02.06.05 C-105 Retrieval																															

■ Actual Work ■ Critical Remain Work ▶ Baseline Act
■ Remain Work ◆ Milestone ▼ Baseline Milestone

C-Farm Retrieval Critical Path
Current Schedule
January 2012

Page 1 of 3

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

SLCS-CUR / OPER-CUR				C-Farm Critical Path by WBS										Data Date 23-Jan-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
HHA-3C005B	C-105 Retrieval Design - Phase 1	82	35	01-Nov-10 A	12-Mar-12	172	0												
HHA-3C005B2	C-105 Retrieval Installation Design - MARS Educator	148	148	16-Jan-12 A	27-Aug-12	244	23												
HHA-3C005C	C-105 Procurement of Phase 1 Components - FY11	72	58	15-Jul-11 A	12-Apr-12	149	0												
HHA-3C005C1	C-105 Procurement of Phase 1/2 Components - FY12	160	160	14-Feb-12*	28-Sep-12	221	-49												
HHA-3C005E	C-105 Retrieval System Installation - Phase 1	198	165	01-Dec-11 A	13-Sep-12	42	0												
HHA-3C005E3	C-105 Retrieval System Installation - MARS	190	190	14-Sep-12	17-Jun-13	42	0												
HHA-3C005F	C-105 Retrieval Startup and Readiness	328	328	23-Apr-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												
5.02.02.06.07 C-107 Retrieval		611	156	01-Apr-10 A	30-Aug-12	212	17												
HHA-3C007E	C-107 Retrieval System Installation	379	0	01-Apr-10 A	30-Sep-11 A		-1												
HHA-3C007F1	C-107 Retrieval Startup and Readiness for MARS	132	0	21-Mar-11 A	25-Sep-11 A		0												
HHA-3C007G	C-107 Bulk Retrieval Operations (MARS) FY11	30	0	11-Oct-11 A	28-Oct-11 A		0												
HHA-3C007G1	C-107 Bulk Retrieval Operations (MARS) FY12	96	145	28-Oct-11 A	15-Jun-12		-10												
HHA-3C007H1	C-107 Hard Heel Retrieval Evaluations and Readiness	43	43	07-May-12	09-Jul-12		216												
HHA-3C007M	C-107 Hard Heel Rmvl Operations	53	53	09-Jul-12	30-Aug-12		311												
5.02.02.06.08 C-108 Retrieval		473	45	22-Feb-10 A	26-Mar-12	343	16												
HHA-1C008K	C-108 Hard Heel Rmvl Installation	75	0	22-Feb-10 A	10-Nov-11 A		108												
HHA-1C008M	C-108 Hard Heel Rmvl Operations	57	45	19-Oct-11 A	26-Mar-12		-5												
5.02.02.06.09 C-109 Retrieval		157	153	28-Nov-11 A	27-Aug-12	275	-35												
HHA-1C009HA	C-109 Hard Heel Rmvl Design & Engineering Support	41	52	28-Nov-11 A	04-Apr-12		334												
HHA-1C009K	C-109 Hard Heel Rmvl Installation	49	61	21-Dec-11 A	17-Apr-12		-8												
HHA-1C009M	C-109 Hard Heel Rmvl Operations	40	40	02-Jul-12*	27-Aug-12		-35												
5.02.02.06.11 C-111 Retrieval		358	289	11-Oct-11 A	14-Mar-13	276	0												
HHA-1C011R	C-111 Sample for HHR Decision	107	78	11-Oct-11 A	10-May-12		14												

■ Actual Work ■ Critical Remain Work ▬ Baseline Act
■ Remain Work ◆ Milestone ▼ Baseline Milestone

C-Farm Retrieval Critical Path
Current Schedule
January 2012

Page 2 of 3

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 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

SST Integrity Assurance

M-045-91G-T02, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 750,000 gallon tanks (BY, S, TX and TY Farms), Due: 1/31/2012, Status: Complete 11/18/11. (ORP letter 11-TPD-091)

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

M-045-91G-T06, Provide to Ecology a report documenting and evaluating the visual inspection of 12 SSTs per the criteria in M-045-91G-T05, Due: 3/31/2012, Status: On schedule.

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 1/23/2012.

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: On schedule.

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:

- Change Package M-45-12-01 to move target dates M-045-91F-T01 and M-045-91G-T03 each out one year was signed by ORP and Ecology on 01/23/2012.
- Issued RPP-RPT-51404, *Fiscal Year 2011 Visual Inspection Report for Single-Shell Tank*
- Issued RPP-ASMT- 51526, *Tri-Party Agreement Target Date M-045-91F-T03 Ionic Conductivity Assessment*
- Issued RPP-RPT-50934, *Inspections and Test Report for the removed 241-C-107 Dome Concrete”, documenting the resulting of the testing on the concrete cores.*
- Issued RPP-RPT-50714, *Demonstration Report for the Single-Shell Tank Sidewall Coring Project*

Significant Planned Actions in the Next Six Months:

- Complete target M-045-91G-T06, provide report to Ecology documenting and evaluating the visual inspection of the 12 SSTs per criteria in M-045-91G-T05.
- Complete target M-045-91F-T03, provide Ecology the Ionic Conductivity Feasibility Report.

Issues:

- FY2012 funding constraints will impact FY2012 scheduled work. Final Congressional appropriation information has been received. TPA Change Packages will be developed as needed.

In Tank Characterization and Summary

For the period from January 1 – January 31, 2012:

Accomplishments:

- Collected three sets of liquid grab samples from tank C-108 to support the heel retrieval.
- Issued BBI updates for the following tanks: AN-106, AW-106, AZ-102, AP-104, AY-101, C-109, TX-101, TX-105 and TX-109.

Planned Action within the next Six Months:

- Tank Sampling
 - Continue to sample C-108 to support heel retrieval.
 - Tank AN-101 grab samples for corrosion chemistry control taken at 50% of the retrieval of tank C-112 scheduled for February 2012
 - Tank AN-101 grab samples for chemistry control after completion of C-112 sluicing scheduled for March 2012
 - Tank C-108 off- riser samples scheduled for May 2012
 - Tank 204-AR-TK-1 compatibility grab samples scheduled for April 2012
 - Tank AN-102 grab samples for chemistry control scheduled for March 2012
 - Tank C-104 grab samples to support heel retrieval scheduled for April 2012
 - Tank C-109 grab samples to support heel retrieval scheduled for April 2012
 - Tank SY-102 grab samples for chemistry control scheduled for March 2012
 - Tank AN-106 grab samples for chemistry control after completion of C-107 sluicing scheduled for June 2012
 - Tank C-112 off- riser samples scheduled for June 2012
 - Tank AZ-102 grab samples for chemistry control scheduled for June 2012
 - Tank C-110 grab samples to support heel retrieval scheduled for July 2012
- BBI Updates
 - Ten tanks have been identified for updates in FY12 Quarter2. The BBI updates will be issued in April 2012.
- Data Quality Objectives (DQO)
 - Revision of the PCB Management DQO (RPP-7614) and the Compatibility DQO (HNF-SD-WM-DQO-001) in April 2012
 - Revision of the Strategic Planning DQO (RPP-44057) in April 2012
 - Development of DQOs to support removal of hard heels in C-104 and C-109 in March 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 January 30, 2011 the TOC team worked 2,383,303 hours (233 days) without a Lost Time Workday Injury or DART case and achieved 991,531 hours (105 days) since the last Recordable case.

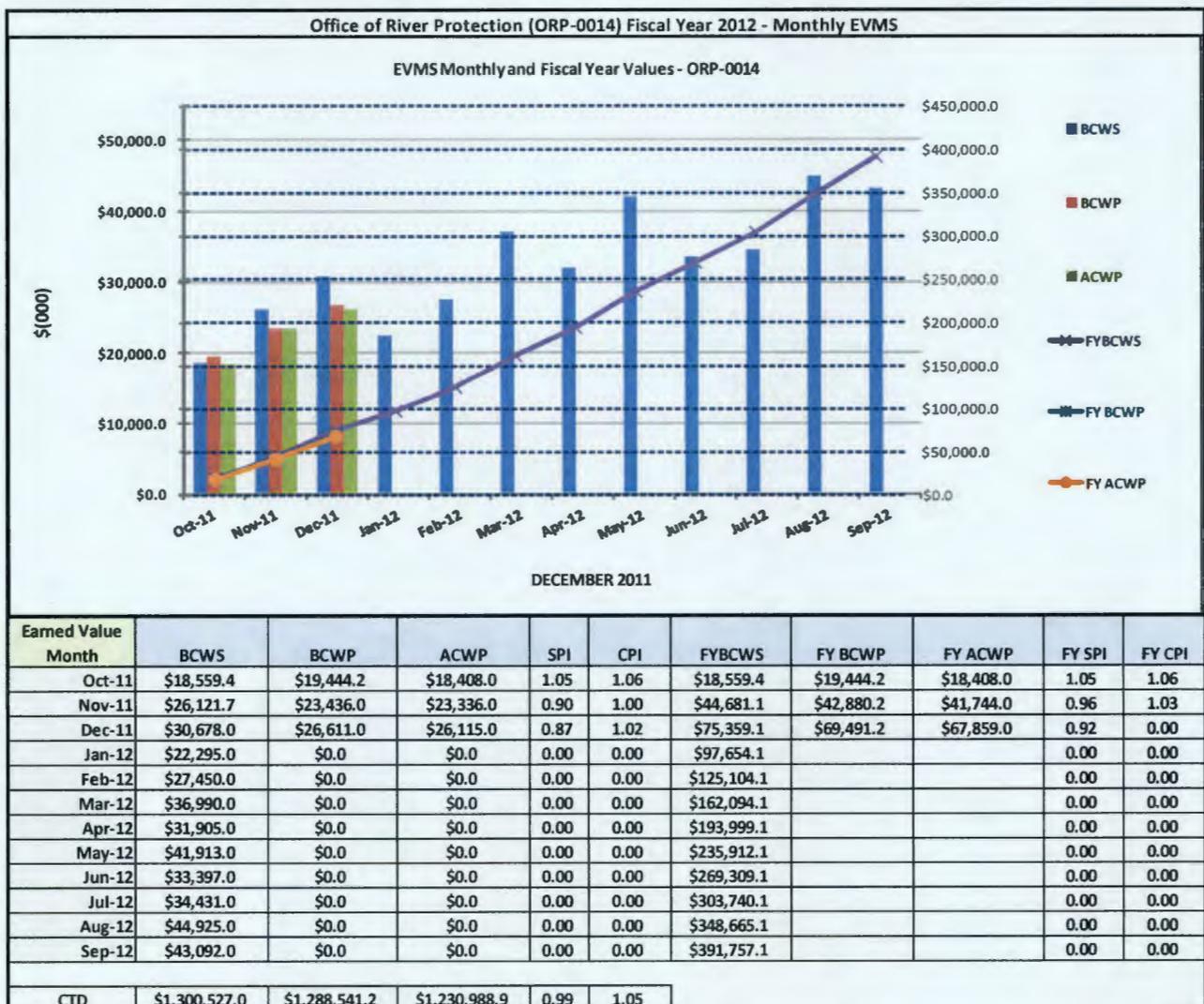
December 2011 EVMS Data

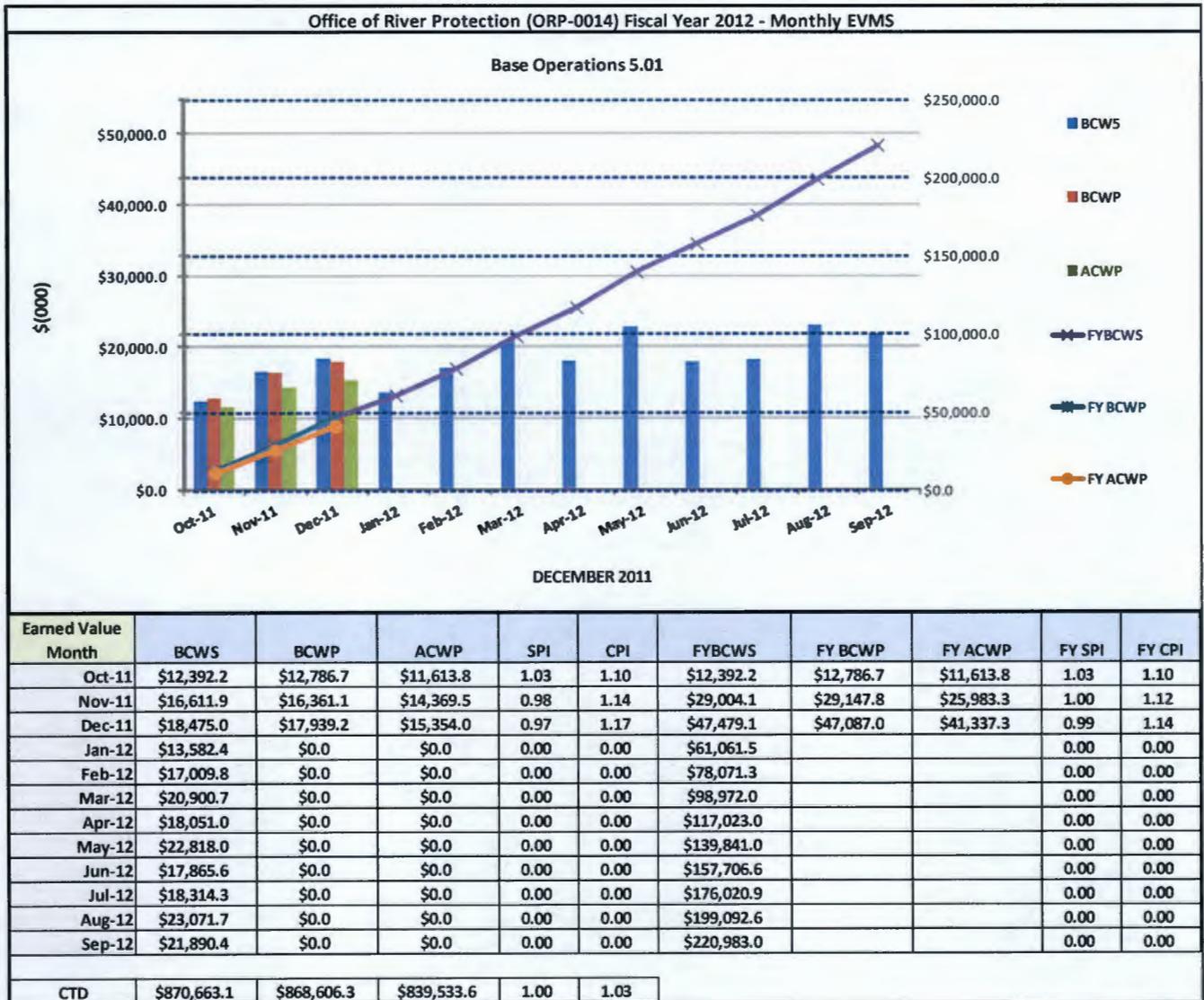
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	30,678.4	26,611.2	26,114.9	(4,067.2)	496.3	0.87	1.02			
FYTD	75,359.5	69,491.4	67,858.7	(5,868.1)	1,632.7	0.92	1.02	391,756.8	372,200.6	19,556.2
CTD	1,300,527.0	1,288,541.2	1,230,988.9	(11,985.8)	57,552.3	0.99	1.05	2,151,929.8	2,077,930.8	73,999.0

Red shaded cells indicates a SPI/CPI less than 0.90

Green shaded cells indicate a SPI/CPI between 0.90 and 0.99

Blue shaded cells indicate a SPI/CPI greater than or equal to 1.0.





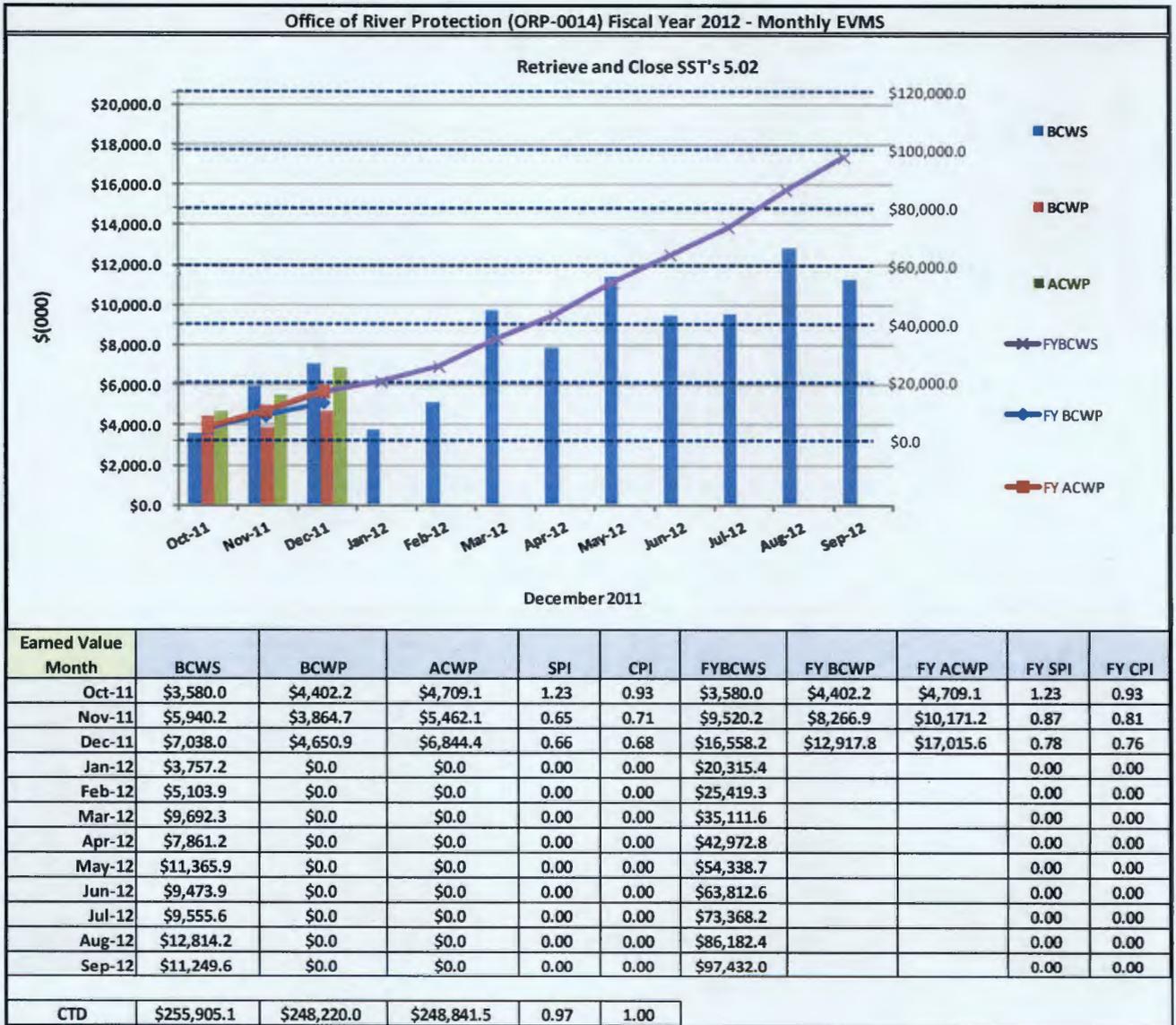
Schedule Variance:

The unfavorable schedule variance is primarily due to:

- Delays in access to the TX and TY Farms to complete SST electrical upgrades. The activities required to complete the upgrades have been rescheduled to accommodate preventative and corrective maintenance activities and are expected to complete in March (-\$270k).
- Delays in corrective maintenance impacted by the workforce restructuring bump and roll (-\$237k).

Cost Variance:

The favorable cost variance is primarily due to delays in material procurements process in the first quarter and reduction in staff as a result of the bump and roll.



Single-Shell Tanks

Schedule Variance:

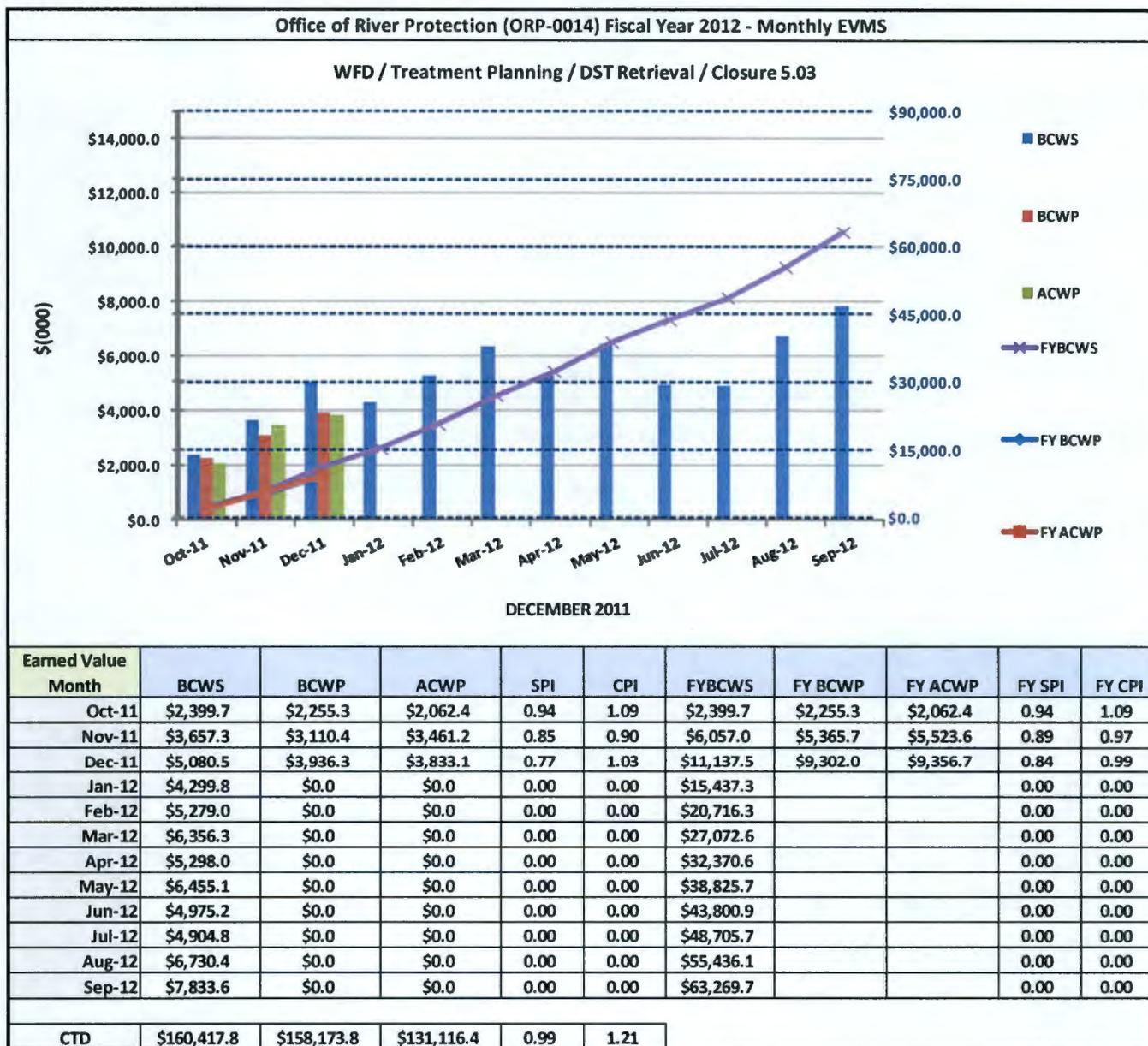
The unfavorable schedule variance is primarily due to:

- C-107 retrieval associated with issues encountered with the AN-106 supernate pump (-\$1,746k);
- C-112 due to readiness activities impacted by the JCO for potential failure of waste transfer systems due to freezing and solids participation/deposition which was resolved in December (-\$270k);
- C Farm Infrastructure due to resource prioritization for initiating Long Length Equipment Removal Demonstration activities as scheduled (-\$209k).

Cost Variance:

The unfavorable cost variance is primarily due to:

- C-112 due to additional engineering work and field resources required to complete system installation, acceptance testing and readiness declaration (-\$805k);
- C-101 due to construction subcontractor costs for equipment removal and ventilation installation (-\$558K);
- C-107 overruns associated with testing and troubleshooting of the failed supernate pump at the AN-106 Receiver Tank (-\$398k);
- C-102 overruns associated with subcontractor costs for ventilation installation (\$-334k).



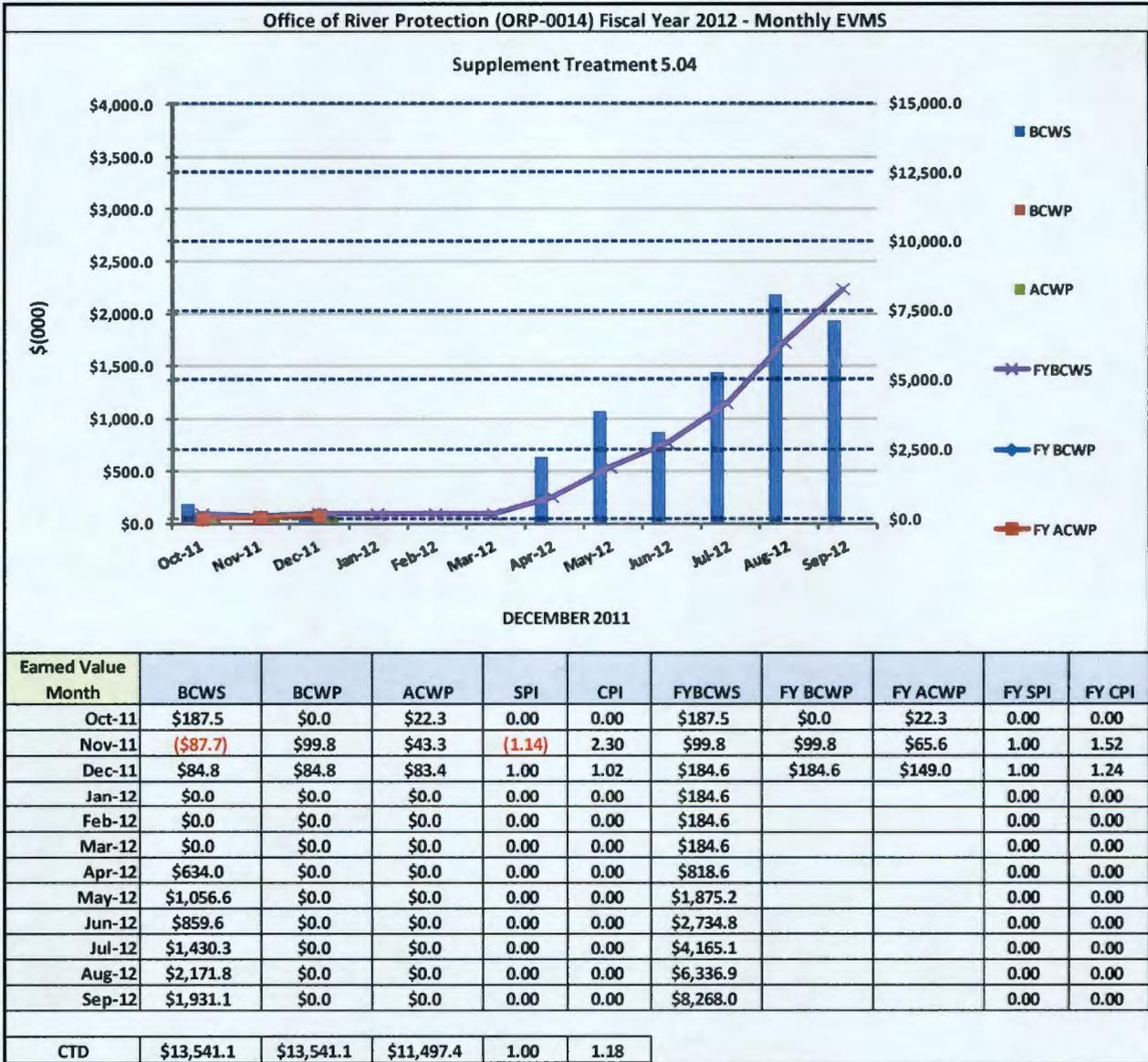
Waste Feed Delivery/Treatment/DST Retrieval Closure

Schedule Variance:

The unfavorable schedule variance is primarily due to:

- Pretreatment Engineering Platform delay in issuing the contract for relocation (-\$391k);

- AY-102 Technology Maturation/Mixing Sampling demonstration delay in awarding the transfer pump design subcontract (-\$244k);
- AY/AZ Ventilation System design effort has been placed on hold while the project re-evaluates the design decision. The evaluation will be completed in March (-\$163k).



Supplemental Treatment

Variances 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. Negotiations are not yet underway.

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: Negotiations are not yet underway.

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 (i.e. Conceptual Design Report [CDR], Preliminary Process Hazards Analysis, Design Basis Accident Analysis, Environmental and Communications Plan, Safeguards and Security Plan, etc.) continue on schedule. In addition, the Project System Specification (Rev. 1) was issued and the Value Engineering Study (appendix to the CDR) was completed.

The Secondary Liquid Waste Treatment Project issued an update to the Environmental and Communications Plan (RPP-44256, Rev.1) outlining the project environmental permitting approach for the ETF upgrades and expansion. The project also issued the final Value Engineering waste form down selection report (RPP-RPT-51127, Rev.0).

Significant Planned Actions in the Next Six Months:

- Continue Conceptual Design for both the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects.
- Issue the Value Engineering Reports for the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects.
- Issue the Safety Design Strategy and Process Hazard Analysis Report for the Interim Hanford Storage Project.
- Issue Environmental & Communication Plans for both the Interim Hanford Storage and Secondary Liquid Waste Treatment Projects.
- Complete the Conceptual Safety Design Report for the Interim Hanford Storage project.
- Complete Conceptual Design for both the Interim Hanford Storage and Secondary 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

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

The WTP Project currently employs about 3,908 Full-Time Equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel, including 819 craft, 526 non-manual, and about 186 subcontractor personnel FTEs working at the WTP construction site (all facilities). As of December 2011, the project was 62 percent complete, design and engineering was 84 percent complete, procurement was 66 percent complete, construction was 59 percent complete, and startup and commissioning was 14 percent complete.

The overall WTP Project schedule variance in December was a positive \$18.2M; the cost variance was a negative \$28.7M. The cost variance was primarily related to Engineering Design, Construction Crafts, Plant Equipment, and Construction Subcontracts; and the schedule variance was primarily related to Plant Equipment, Plant Materials, and Construction Subcontracts.

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

Significant Past Accomplishments:

- Aerosol testing to determine realistic entrainment coefficient for the Process Vessel Vent Exhaust (PVV) system has been started for PT.
- Completed 50% of submerged bed scrubber and 60% of High Efficiency Mist Elimination vessels for HLW.
- Substantially completed mechanical systems design for the LAW facility.
- Revised funding profile and schedule for the Emergency Turbine Generator (ETG) procurement schedule for BOF.

Significant Planned Actions in the Next Six Months:

- Complete erection of 4th-tier structural steel in PT (77ft to 98ft elevation).
- Perform Large Scale Integrated Testing (LSIT) in 4ft and 8ft vessels for the Validation and Verification (V&V) of Computational Fluid Dynamics (CFD) program to resolve mixing issues.
- Set in-place two piping modules (PA07 upper, PA01 lower) in the PT black cells.
- Receive Plant Wash and Drains vessel for HLW (RLD-VSL-8).
- Complete installation of LAW melter power supplies
- Complete installation of the LAW autosampler (ASX system).
- Complete installation of the LAB autosampler System.
- Complete construction of the BOF cooling tower.
- Complete construction of BOF switchgear building.

Issues:

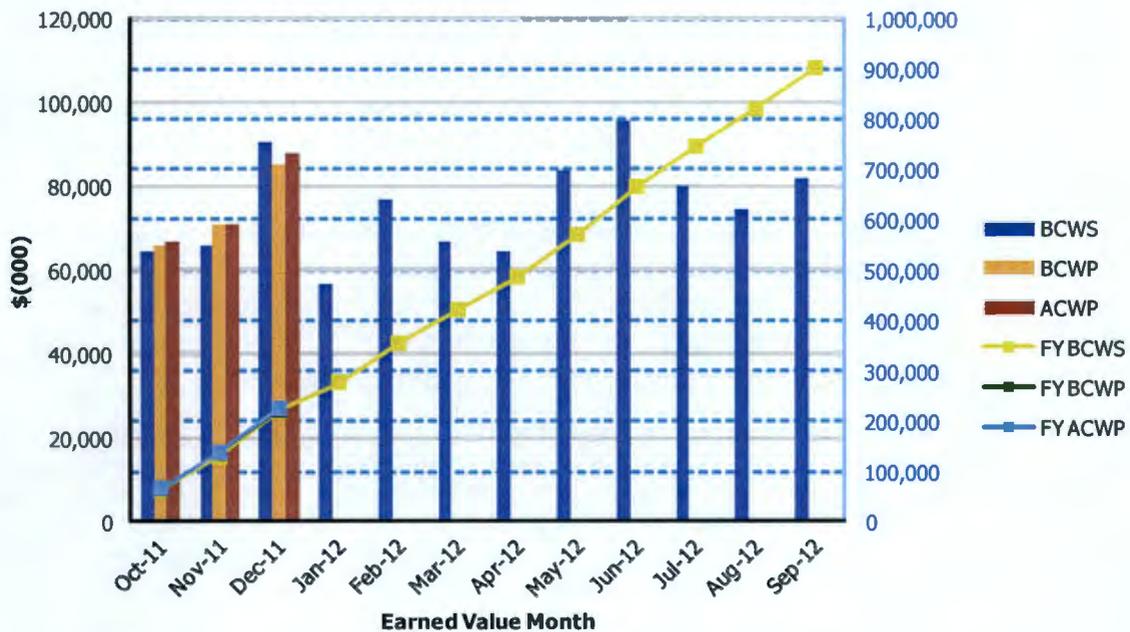
- PT and HLW Facilities: Other issues also have potential impacts on the PTF and HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF and HLW.
- No significant technical issues in HLW, LAW, LAB or BOF at this time.

Data Set: FY 2012 Earned Value Data

Data as of: December 2011

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

WTP 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	\$56,800			0.00		\$277,557			0.00	
Feb 2012	\$76,818			0.00		\$354,375			0.00	
Mar 2012	\$66,635			0.00		\$421,010			0.00	
Apr 2012	\$64,587			0.00		\$485,598			0.00	
May 2012	\$83,766			0.00		\$569,363			0.00	
Jun 2012	\$95,717			0.00		\$665,080			0.00	
Jul 2012	\$80,199			0.00		\$745,279			0.00	
Aug 2012	\$74,342			0.00		\$819,621			0.00	
Sep 2012	\$81,928			0.00		\$901,549			0.00	
PTD	\$6,684,505	\$6,702,694	\$6,731,420	1.00	1.00					

PRETREATMENT (PT) FACILITY

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 December 2011, the PT Facility is 52 percent complete overall, with engineering design 78 percent complete, procurement 50 percent complete, and construction 41 percent complete.

Significant Past Accomplishments:

On-going work includes installation of rebar for the placement of Control Building basemat and 98ft elevation slabs, fabrication of piping modules, installation of drain piping, cable trays and supports, conduit, structural steel at the 77ft elevation, and roof decking.

Aerosol testing to determine realistic entrainment coefficient for the Process Vessel Vent Exhaust (PVV) system at "Small" scale is continuing at the Parsons Facility in Pasco. Close to half of the tests have been completed, showing positive results. Fabrication is progressing well for the test equipment for the "Medium" scale aerosol testing to be conducted at the same facility.

BNI is actively working to resolve issues raised by DOE regarding vessel material selection. A draft report for the localized corrosion margin evaluation has been issued, and is undergoing DOE review. BNI has set up a special team to resolve the corrosion and erosion issues in an integrated manner. Two reports, due to the DNFSB in January 2012, were completed and submitted in accordance with the Implementation Plan (IP) for the DNFSB 2010-2.

The Hazard and Operability Analysis (HAZOP) for the Cesium Ion Exchange Process (CXP) system was completed. The first two shipments of the floor penetration modules, to support on-going concrete and pipe module work, were received.

The PT critical path primarily flows through installation of the Lag Storage and Feed Blending Process vessel, HLP-22. The next critical path flows through the Pretreatment Vessel Vent Process (PVP) system design, equipment procurement, and construction. The tertiary critical path flows through the hot cell Area 34 jumper design, material procurement, and construction.

Significant Planned Actions in the Next Six Months:

- Issue re-committed system design documents for the Plant Wash and Disposal (PWD) system.
- Continue erection of 4th tier structural steel (77ft to 98ft elevation)
- Obtain Ecology approval of the permit packages to proceed with the alteration of the on-site vessels FRP -2A/B/C/D and UFP-62A/B/C
- Issue system descriptions part II with re-committed design information
- Set in-place 2 piping modules (PA07 upper, PA01 lower) in the black cells
- Complete removal of the vessel CXP-001 from the black cell, in accordance with the modified CXP system design
- Set hot cell vertical door drive mechanism replacement gearbox and switch
- Complete aerosol testing to determine entrainment coefficient for the PVV system

- Complete placements for the Control Building basemat, and make initial 98 foot elevation slab placements
- Complete fabrication of Lag Storage and Feed Blending Process (HLP) vessels-27A/B
- Complete resolution of the material selection issues with the vessels
- Perform LSIT in 4ft and 8ft vessels for the Validation and Verification (V&V) of Computational Fluid Dynamics (CFD) program to resolve mixing issues.

Issues:

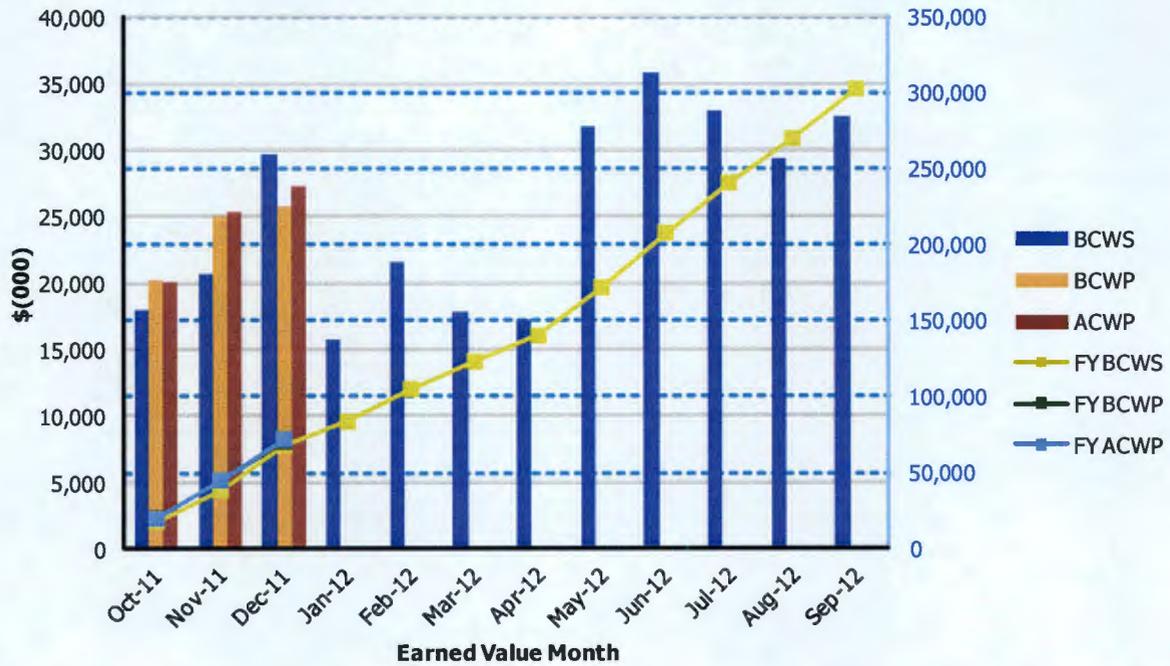
* Other issues have potential impacts on the PTF schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the PTF.

Data Set: FY 2012 Earned Value Data

Data as of: December 2011

**River Protection Project
Pretreatment Facility**

PT 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	\$15,622			0.00		\$83,753			0.00	
Feb 2012	\$21,466			0.00		\$105,219			0.00	
Mar 2012	\$17,804			0.00		\$123,023			0.00	
Apr 2012	\$17,121			0.00		\$140,144			0.00	
May 2012	\$31,749			0.00		\$171,894			0.00	
Jun 2012	\$35,807			0.00		\$207,700			0.00	
Jul 2012	\$32,977			0.00		\$240,678			0.00	
Aug 2012	\$29,294			0.00		\$269,972			0.00	
Sep 2012	\$32,525			0.00		\$302,497			0.00	
PTD	\$1,311,304	\$1,320,225	\$1,293,011	1.01	1.02					

HIGH-LEVEL WASTE (HLW) FACILITY

The High Level Waste (HLW) Facility will receive the separated high-level waste from the Pretreatment (PT) Facility. The concentrate is 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 are sealed and decontaminated prior to shipment to interim storage. The HLW Facility is 57 percent complete overall, with engineering design 86 percent complete, procurement 72 percent complete, and construction 38 percent complete.

Significant Past Accomplishments:

Following re-sequencing of the slab over the Filter Cave and the associated walls, the critical path has become the Melter Cell #2 build out. This will improve installation unit rates for commodities in the Filter Cave as it extends the use of overhead cranes for setting steel. The near term critical path activities now include two Melter Cell walls, installation of 4 wall modules, and steel liner plate and insulation on the floor. The submerged bed scrubber and High Efficiency Mist Elimination vessels are the major procurements associated with the Melter Cave build out. Current scheduled date to set vessels is May 2013. The vessels are in production and 50% and 60% complete respectively with the last to deliver in January of 2013.

The balance of rails for the decontamination rinse bogie has arrived on site, to be installed following the rinse piping. Fabrication of Plant Wash and Drains Vessel (RLD-VSL-08) has completed and has been shipped from its location in England. High-Efficiency Particulate Air (HEPA) Filter Test plan is complete with testing of the filters to begin late February. Electrical and piping commodities are progressing throughout the -21ft, 0ft and 14ft elevation, including cooling water, cable trays and supports, and fire protection piping. Sub-Contractors are also continuing with applying special coatings, installing Heating, Ventilation, and Air Conditioning (HVAC), fire protection piping, and liner plate installations. 75% of the concrete has been poured in the facility with 58ft elevation walls continuing and a majority of the 37ft slabs complete.

Significant Planned Actions in the Next Six Months:

- Complete Filter Cave Remote-Operated Dampers Installation
- Receive Plant Wash and Drains Vessel (RLD-VSL-8)
- Receive Primary Offgas 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: December 2011

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

HLW 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	\$11,984			0.00		\$48,066			0.00	
Feb 2012	\$20,661			0.00		\$68,727			0.00	
Mar 2012	\$11,228			0.00		\$79,955			0.00	
Apr 2012	\$12,000			0.00		\$91,955			0.00	
May 2012	\$15,677			0.00		\$107,632			0.00	
Jun 2012	\$17,388			0.00		\$125,019			0.00	
Jul 2012	\$16,812			0.00		\$141,831			0.00	
Aug 2012	\$12,944			0.00		\$154,775			0.00	
Sep 2012	\$14,486			0.00		\$169,261			0.00	
PTD	\$865,575	\$867,865	\$861,193	1.00	1.01					

LOW-ACTIVITY WASTE (LAW) FACILITY

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 will be disposed on the Hanford Site in the Integrated Disposal Facility. The LAW Facility is 67 percent complete, with engineering design 87 percent complete, procurement 86 percent complete, and construction 67 percent complete.

Significant Past Accomplishments:

Electrical systems design continues in support of all equipment, controls, and lighting throughout the facility. For example, instrument data sheets were issued for the Secondary Off-gas/Vessel Vent Process (LVP) system actuated on/off valves, Primary Off-gas Process (LOP) system actuated on/off valves, and the C2V system control valve fieldbus. Several architectural room finishing schedules were issued. A technical evaluation report was issued – Evaluation of Mixing, Sampling, and Level Uncertainties for Immobilized Low-Activity Waste (ILAW) Glass Qualification. Piping isometric drawings were issued for the LOP system and mechanical data sheets were issued for the air particulate filter for the Instrument Service Air (ISA) system and the LVP system carbon bed adsorber.

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 LVP system exhausters fans are expected to be delivered within the next month. Procurement actions to purchase, deliver, and receive process monitoring and control instruments continued in January for solenoid valves, Flow Transmitters (FT), Pressure Transmitters (PT), and Pressure Differential Transmitters (PDT).

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 and south finishing line dual-rail hoist for the LFH system continued. In addition, installation activities were initiated for the trolley bogie cars for the LFH system. Other on-going construction activities during January included installation of High-Efficiency Particulate Air (HEPA) damper and exhaust ductwork, pour cave monorail hoists for the Container Pour Handling (LPH) system, the buffer storage crane, the finishing line cranes, and Low-Voltage Electrical (LVE) equipment.

Integrated Control Network (ICN) development continued with software design and testing for the following systems:

- Melter Feed Process (LFP)
- Container Finishing Handling (LFH)
- Auto Sampling (ASX)

Software was accepted for the Secondary Off-gas/Vessel Vent Process (LVP) system.

Significant Planned Actions in the Next Six Months:

- Complete installation of melter power supplies
- Complete installation of auto sampling (ASX) system
- Receive Exhausters for LVP system

- Receive HEPA Pre-heaters for LVP system
- Receive HEPA Housings for LVP system

Issues:

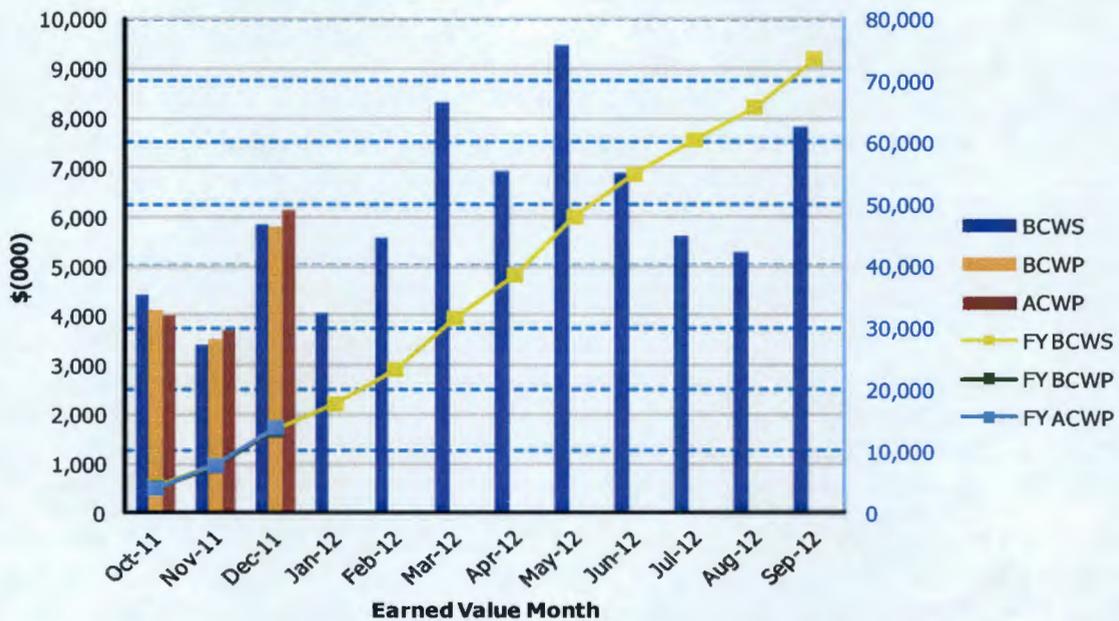
No major issues at this time.

Data Set: FY 2012 Earned Value Data

Data as of: December 2011

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

LAW 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	\$4,014	0.93	1.03	\$4,415	\$4,115	\$4,014	0.93	1.03
Nov 2011	\$3,404	\$3,510	\$3,704	1.03	0.95	\$7,819	\$7,625	\$7,718	0.98	0.99
Dec 2011	\$5,827	\$5,807	\$6,123	1.00	0.95	\$13,646	\$13,432	\$13,841	0.98	0.97
Jan 2012	\$4,017			0.00		\$17,663			0.00	
Feb 2012	\$5,573			0.00		\$23,236			0.00	
Mar 2012	\$8,317			0.00		\$31,552			0.00	
Apr 2012	\$6,920			0.00		\$38,472			0.00	
May 2012	\$9,462			0.00		\$47,935			0.00	
Jun 2012	\$6,892			0.00		\$54,827			0.00	
Jul 2012	\$5,606			0.00		\$60,434			0.00	
Aug 2012	\$5,257			0.00		\$65,691			0.00	
Sep 2012	\$7,821			0.00		\$73,512			0.00	

PTD	\$650,230	\$650,695	\$696,466	1.00	0.93
-----	-----------	-----------	-----------	------	------

BALANCE OF FACILITIES (BOF)

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 48 percent complete overall, with engineering design 72 percent complete, procurement 47 percent complete, and construction 63 percent complete.

Significant Past Accomplishments:

The BOF team continues to focus on facility completion, turnover, and startup. Weekly meetings are being held to support planning for the energization of Building 87. In support of site energization, Interface Control Document (ICD) 11 “Interface Control Document for Electricity” is currently being revised, and all parties are preparing for energization of Building 87 via the A6 substation this calendar year.

The renewed focus on ICDs and the need to keep all parties involved is providing positive results. Regular meetings are being held to align DOE and contractor efforts and revisions/updates to the ICDs are being made as necessary.

Based on the revised funding profile, the Emergency Turbine Generator (ETG) procurement schedule is currently being revised. During this time, engineering, select procurement activities, and the development of the commercial grade dedication plans continues.

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
- Receive anhydrous ammonia system

Issues:

No major issues.

Data Set: FY 2012 Earned Value Data

Data as of: December 2011

**River Protection Project
Balance of Facilities**

BOF 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	\$1,598			0.00		\$8,627			0.00	
Feb 2012	\$1,964			0.00		\$10,591			0.00	
Mar 2012	\$2,060			0.00		\$12,651			0.00	
Apr 2012	\$2,256			0.00		\$14,908			0.00	
May 2012	\$2,444			0.00		\$17,352			0.00	
Jun 2012	\$3,461			0.00		\$20,813			0.00	
Jul 2012	\$2,356			0.00		\$23,169			0.00	
Aug 2012	\$2,727			0.00		\$25,896			0.00	
Sep 2012	\$2,946			0.00		\$28,842			0.00	
PTD	\$260,872	\$257,216	\$254,056	0.99	1.01					

ANALYTICAL LABORATORY

The Analytical Laboratory (LAB) will support the Hanford Tank Waste Treatment and Immobilization (WTP) operations by analyzing feed, vitrified waste, and effluent streams. The LAB is 51 percent complete overall, with engineering design 78 percent complete, procurement 75 percent complete, and construction 76 percent complete.

Significant Past Accomplishments:

Efforts of the LAB team continue to be focused on completion of the LAB Construction Substantially Complete milestone. Major structures of the building are in place, and the detail/finishing work continues with emphasis on installation of partition walls, laboratory cabinets, and fume hoods. Installation of these interior commodities provides an opportunity to better understand the layout of individual rooms and the overall facility.

Tests were recently performed on the Autosampling System (ASX) Pneumatic Transfer (PTS) lines to validate flight tube piping installation and the use of "Morris" couplings to join spools of pipe under a vacuum condition. The test delivered results similar to the Factory Acceptance Test (FAT). In addition to the vacuum test, an obstruction test was performed to validate spool alignment. A carrier was pulled through the PTS lines via string, and traveled smoothly through the lines.

A review of hot cell equipment arrangement was performed to verify there will be adequate space for all necessary hot cell functions to be performed during operations. Conflicts that were identified appear to be manageable due to the portability of hot cell equipment. However, details concerning the actual size of some equipment will not be known until the procurement process is complete.

Significant Planned Actions in the Next Six Months:

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

Issues:

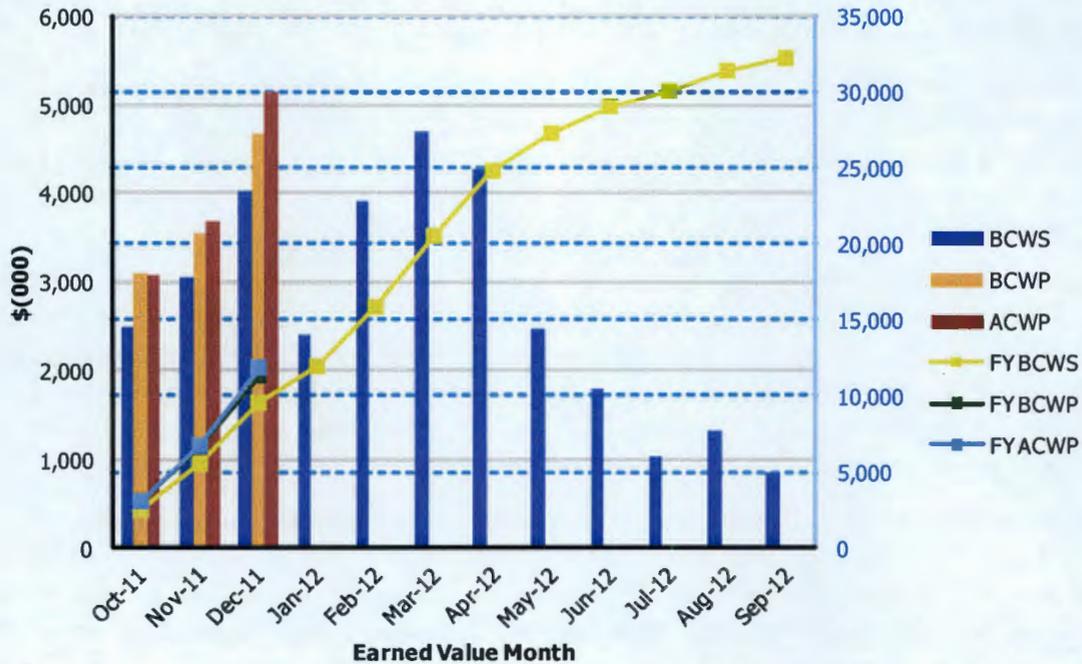
No major issues.

Data Set: FY 2012 Earned Value Data

Data as of: December 2011

**River Protection Project
Analytical Laboratory**

LAB 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	\$2,409			0.00		\$11,943			0.00	
Feb 2012	\$3,893			0.00		\$15,836			0.00	
Mar 2012	\$4,687			0.00		\$20,523			0.00	
Apr 2012	\$4,259			0.00		\$24,781			0.00	
May 2012	\$2,468			0.00		\$27,249			0.00	
Jun 2012	\$1,798			0.00		\$29,047			0.00	
Jul 2012	\$1,024			0.00		\$30,071			0.00	
Aug 2012	\$1,309			0.00		\$31,380			0.00	
Sep 2012	\$838			0.00		\$32,218			0.00	
PTD	\$179,336	\$179,788	\$192,640	1.00	0.93					

Waste Treatment Plant Project - Percent Complete Status Through December 2011															
Facilities (Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Commissioning Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	970.7	650.7	67%	237.4	205.4	87%	240.7	207.2	86%	343.9	231.6	67%	148.8	6.5	4%
Analytical Lab	355.5	179.8	51%	57.2	43.9	77%	56.2	42.1	75%	106.6	80.6	76%	135.5	12.7	9%
Balance of Facilities	536.4	257.2	48%	88.3	63.2	72%	81.3	38.0	47%	230.6	145.2	63%	136.1	10.9	8%
High-Level Waste	1,506.3	867.9	58%	349.4	301.0	86%	457.7	336.8	74%	581.4	225.5	39%	117.8	4.6	4%
Pretreatment	2,545.2	1,320.2	52%	743.7	580.7	78%	713.1	358.3	50%	905.7	374.4	41%	182.6	6.8	4%
Shared Services	4,732.4	3,426.9	72%	1,027.6	910.6	89%	472.1	383.4	81%	1,428.1	1,082.1	76%	455.9	124.2	27%
Total WTP w/o UB	10,646.5	6,702.7	63%	2,503.6	2,104.8	84%	2,021.2	1,365.7	68%	3,596.4	2,139.5	59%	1,176.8	165.7	14%
Undistributed Budget	0.0	n/a	n/a	n/a	n/a	n/a									
Total WTP	10,646.5	6,702.7	63%	2,503.6	2,104.8	84%	2,021.2	1,365.7	68%	3,596.4	2,139.5	59%	1,176.8	165.7	14%

Source: WTP Contract Performance Report - Format 1, Data for December 2011

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.