Office of River Protection

Tri-Party Agreement Managers Milestone Review Meeting September 22, 2009

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

August 2009

Agenda

Office of River Protection
Tri-Party Agreement
Managers Milestone Review Meeting
2440 Stevens Center, Conference Room 1600
September 22, 2009
9:00 a.m. – 11:30 a.m.

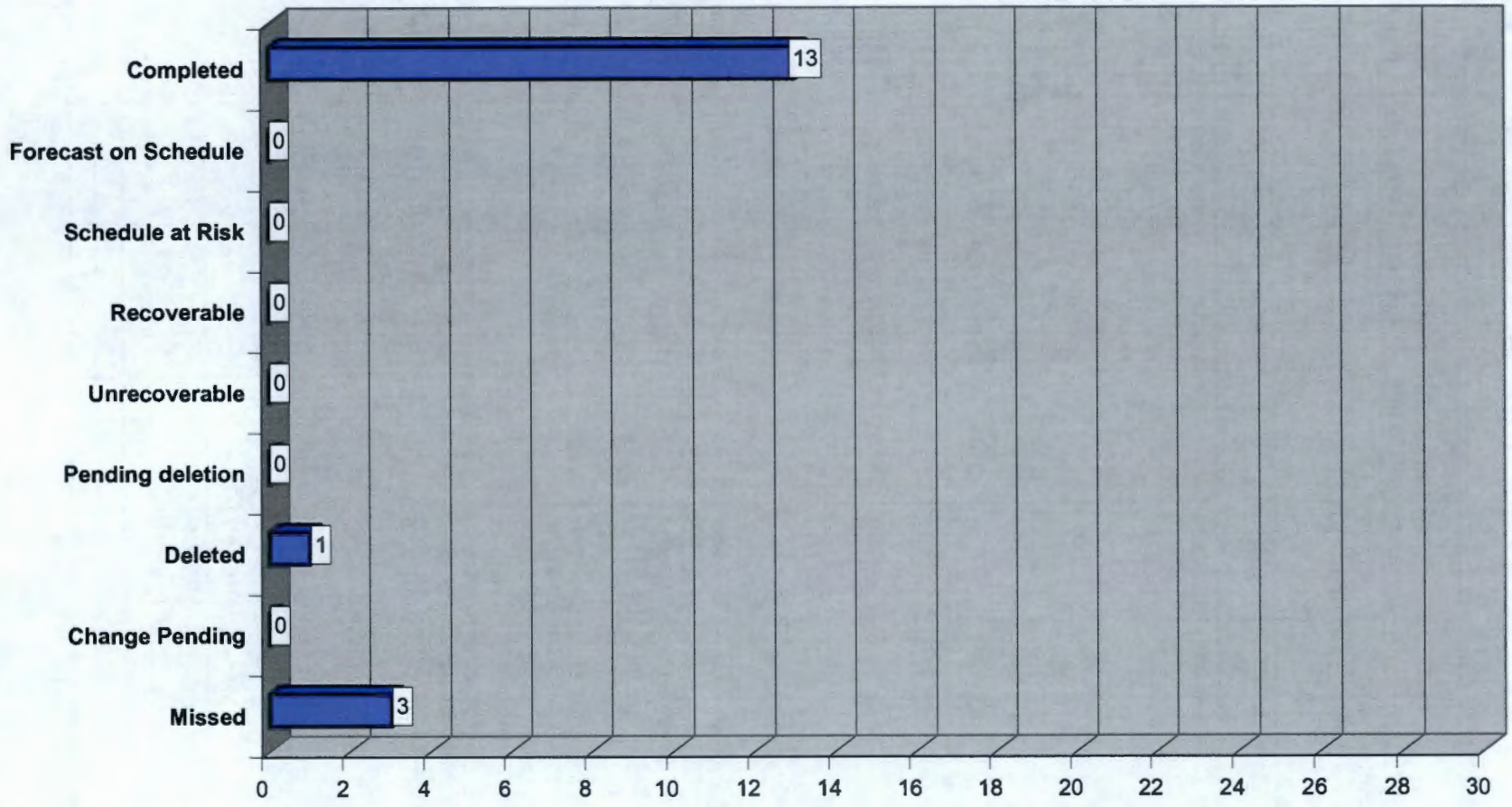
Page	Topic	Leads	Time
25	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:00
27	M-45-00, Complete Closure of All Single-Shell Tank Farms	Stephen Pfaff / Jeff Lyon	9:10
37	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:20
38	In Tank Characterization and Summary	John Long / Michael Barnes	9:25
39	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Ben Harp / Les Fort	9:30
41	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/Disposal of ILAW and M-20, Part B Permits	Ben Harp / Bud Derrick	9:45
42	M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Ben Harp / Ed Fredenburg	10:00
	BREAK		
3	TPA Milestone Statistics	Woody Russell / Ed Fredenburg / Jeff Lyon	10:20
21	FY 2009 ORP TPA Cost & Schedule Performance (CHG)	Stephen Pfaff / Ed Fredenburg / Jeff Lyon	10:30
44	BNI Cost & Schedule Performance for Immobilization Plant (WTP) Project	Wahed Abdul / Fred Hidden / Garth Reed / Ed Fredenburg	10:40

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 02/21/08	Milestone Number	Due Date	Milestone Number	Due Date
M-20-00, Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	12/31/08 (M-20-00)	0				
M-42-00, Provide Additional DST Capacity	TBD	1	M-42-00	TBD		
M-45-00, Complete Closure of all SST Farms	09/30/24 (M-45-00)	35	M-45-00 M-45-00B M-45-00C M-45-00D M-45-02 M-45-02O M-45-05 M-45-05A M-45-05-T05 M-45-05-T06 M-45-05-T07 M-45-05-T08 M-45-05-T09 M-45-02P M-45-05-T10 M-45-05-T11 M-45-02Q M-45-05-T12	09/30/24 09/30/06 09/30/06 01/31/08 TBD 03/01/10 09/30/18 03/31/07 09/30/07 09/30/08 09/30/09 09/30/10 09/30/11 03/01/12 09/30/12 09/30/13 03/01/14 09/30/14	M-45-05-T13 M-45-02R M-45-05-T14 M-45-05-T15 M45-02S M-45-06 M-45-06-T03 M-45-06-T04 M-45-13 M-45-15 M-45-56 M-45-59 M-45-61 M-45-62	09/30/15 03/01/16 09/30/16 09/30/17 03/01/18 09/30/24 03/31/12 03/31/14 06/30/11 06/30/11 TBD TBD 12/31/10 07/31/12
M-47-00, Complete All Work for Phase 1 Operations	02/28/18 (M-47-00)	3	M-47-00 M-47-03A	02/28/18 03/31/09	M-47-06	06/30/10
M-50-00, Complete Pretreatment Processing of Hanford Tank Waste	12/31/28 (M-50-00)	1	M-50-00	12/31/28		
M-51-00, Complete Vitrification of Hanford High Level Tank Waste	12/31/28 (M-51-00)	1	M-51-00	12/31/28		
M-61-00* (alternate path), Complete Pretreatment & Immobilization of Hanford Low Activity Tank Waste	12/31/28 (M-61-00)	1	M-61-00	12/31/28		
M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	12/31/28 (M-62-00)	13	M-62-00 M-62-00A M-62-07B M-62-01S M-62-01T	12/31/28 02/28/18 12/31/07 07/31/09 01/31/10	M-62-08 M-62-09 M-62-01U M-62-01V M-62-10 M-62-01W M-62-11	06/30/06 02/28/09 07/31/10 01/31/11 01/31/11 07/31/11 06/30/07
M-90-00, Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	2	M-90-00 M-90-11	TBD 08/31/10		
Interim Stabilization Consent Decree	09/30/04 (D-001-00)	1	D-001-00			
Total Active Milestones:		**59**				

FY 2006 MILESTONE PERFORMANCE



Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R26	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/05	10/31/05								
M-048-07A-A	Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service by October 31, 2005. This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-A.	10/31/05	10/24/05								
M-046-21	Complete Implementation Of Double Shell Tank Space Optimization Study Recommendations (Tank Space Options Report Document No. RPP-7702, April 12, 2001).	12/31/05	12/15/05								
M-062-01L	Submit Semi-Annual Project Compliance Report.	01/31/06	01/31/06								
M-045-02M	Submit biennial update to SST retrieval sequence document (agreement Appendix I. Section 2.1.2), double-shell tank space evaluation document and Ecology concurrence of additional tank acquisition.	3/1/06	3/13/06								

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A-B	Completion of construction for the 241-AP-106A central pump pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-B.	3/31/06	3/30/06								
M-048-14	Submit Written Integrity Report For The Double-Shell Tank System.	3/31/06	3/31/06								
M-047-05A	Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 or AZ-102).	4/30/06	12/29/04								
M-45-55-T04	Submit to Ecology for review and comment a draft Field Investigation Report combining the results of field investigations and analysis for WMAs A-AX, C and U. As part of the Phase 2 Vadose Zone project renegotiations being developed, this target milestone scope has been included in M-45-55 Phase 1 rollup documentation due in 1/08.	4/30/06								X	

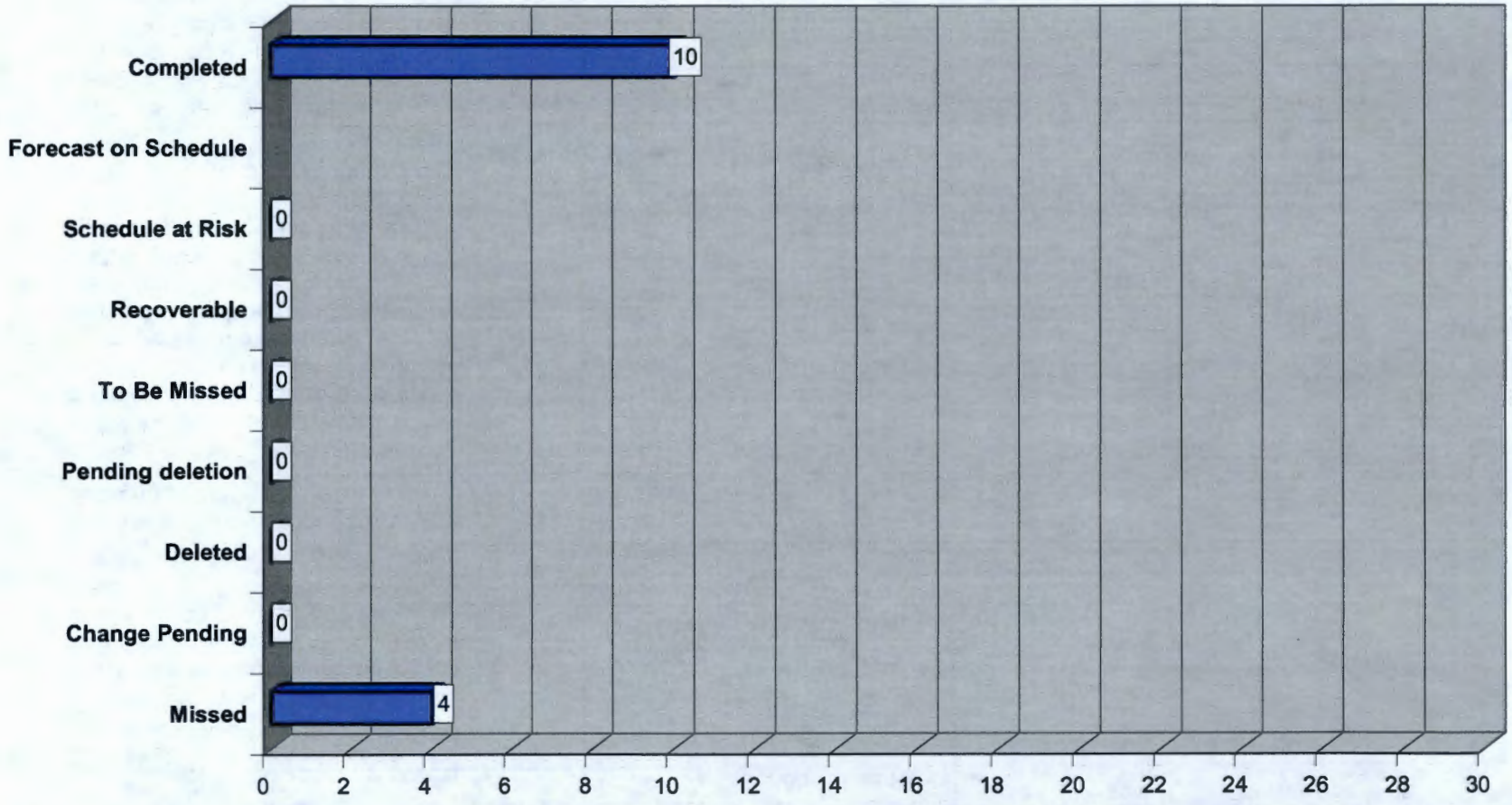
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A	Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 1) Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service [see M 45-07A-A]; 2) Complete construction of AP-106A Central Pump upgrade [M-48-07A-B]; and 3) complete construction of SY-B Valve Pit upgrade [see M 48-07A-C].	06/30/06	06/08/06								
M-048-07A-C	Completion of construction for the 241-SY-B valve pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-C.	06/30/06	06/08/06								
M-048-07B	The Disposition of all Double-Shell Tank Transfer System Components that will not remain in use beyond June 30, 2005.	06/30/06	6/22/06								
M-062-08	Submittal Of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline, And Draft Negotiations Agreement In Principle (AIP).	06/3/06						X			

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-56B	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/06	07/01/06								
M-062-01M	Submit Semi-Annual Project Compliance Report.	07/31/06	07/31/06								
M-045-00B	Complete specified "near term" SST waste retrieval and interim closure activities, to result in the retrieval of all tank wastes in WMA-C SSTs pursuant to the agreement criteria in milestone M-45-00.	09/30/06						X			
M-045-00C	Initiate negotiation of SST waste retrieval and closure activities and associated schedules (for the period February 07 through August 08).	09/30/06						X			

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R30	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/06	10/31/06								
M-062-03	Submit DOE Petition for RCRA Delisting of Vitrified HLW.	12/31/06	12/22/06								
M-045-00C-A	Ecology and DOE negotiations under this milestone shall be completed within 120 days. In the event the parties do not reach agreement within timeframe, the negotiations will be resolved as a resolution of dispute via final determination. Unless otherwise agreed by Ecology and DOE, this final determination will be issued within 150 days of initiation of negotiations.	01/28/07						X			
M-062-01N	Submit Semi-Annual Project Compliance Report.	01/31/07	01/31/07								
D-001-00-R31	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/07	01/26/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

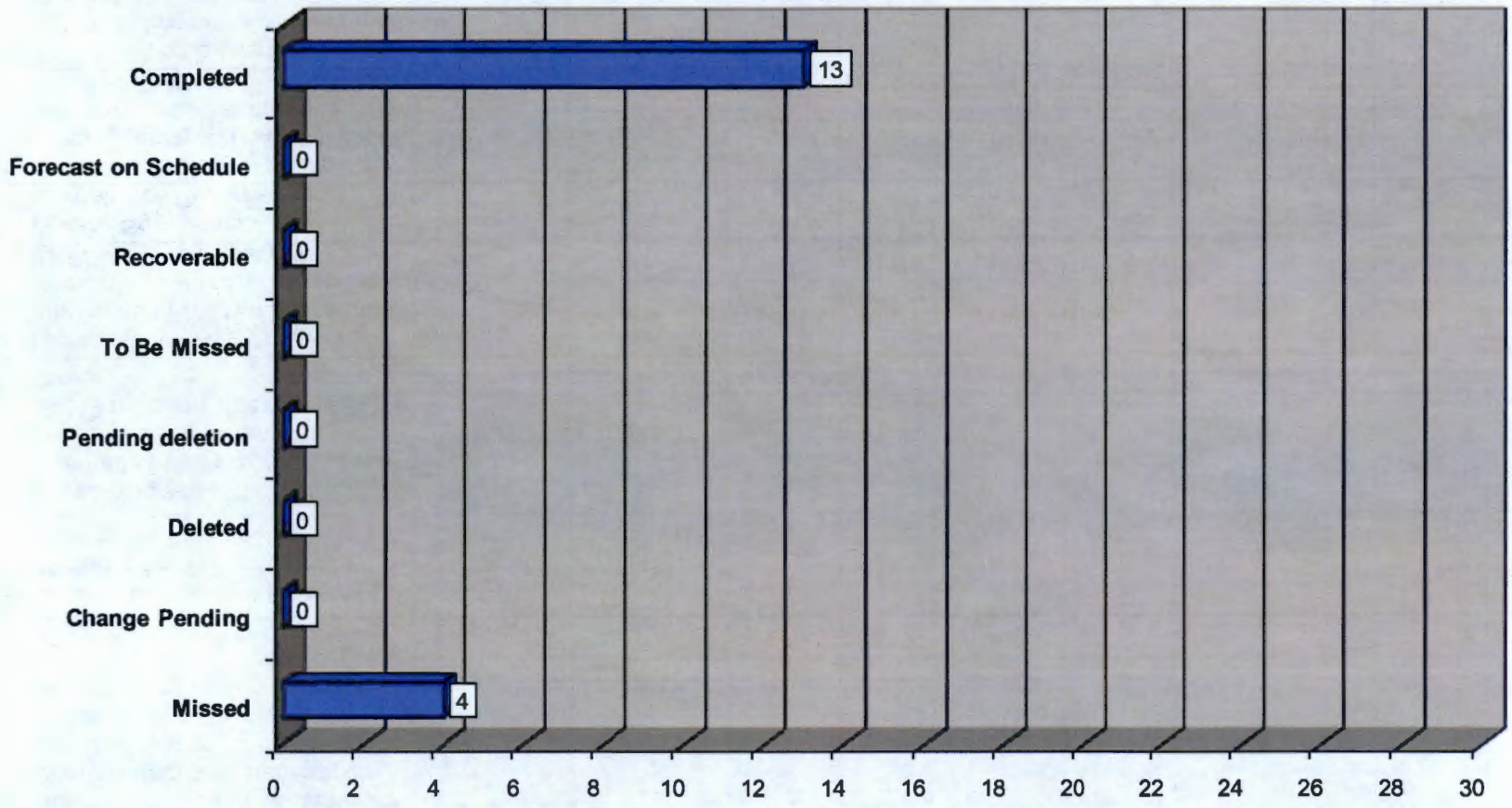
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-05A	Complete Waste Retrieval from S-102.	3/31/07						X			
D-001-00-R32	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/07	04/27/07								
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07						X			
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/07	07/24/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R33	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/07	07/30/07								
M-062-01O	Submit Semi-Annual Project Compliance Report.	07/31/07	07/31/07								
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/26/07								
M-045-05-T05	Initiate tank retrieval from five additional single-shell tanks.	09/30/07						X			
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07	09/26/07								

*** Milestone has been completed by ORP; Ecology has not yet concurred.**

FY 2008 MILESTONE PERFORMANCE



Fiscal Year 2008 Tri-Party Agreement Milestone Status

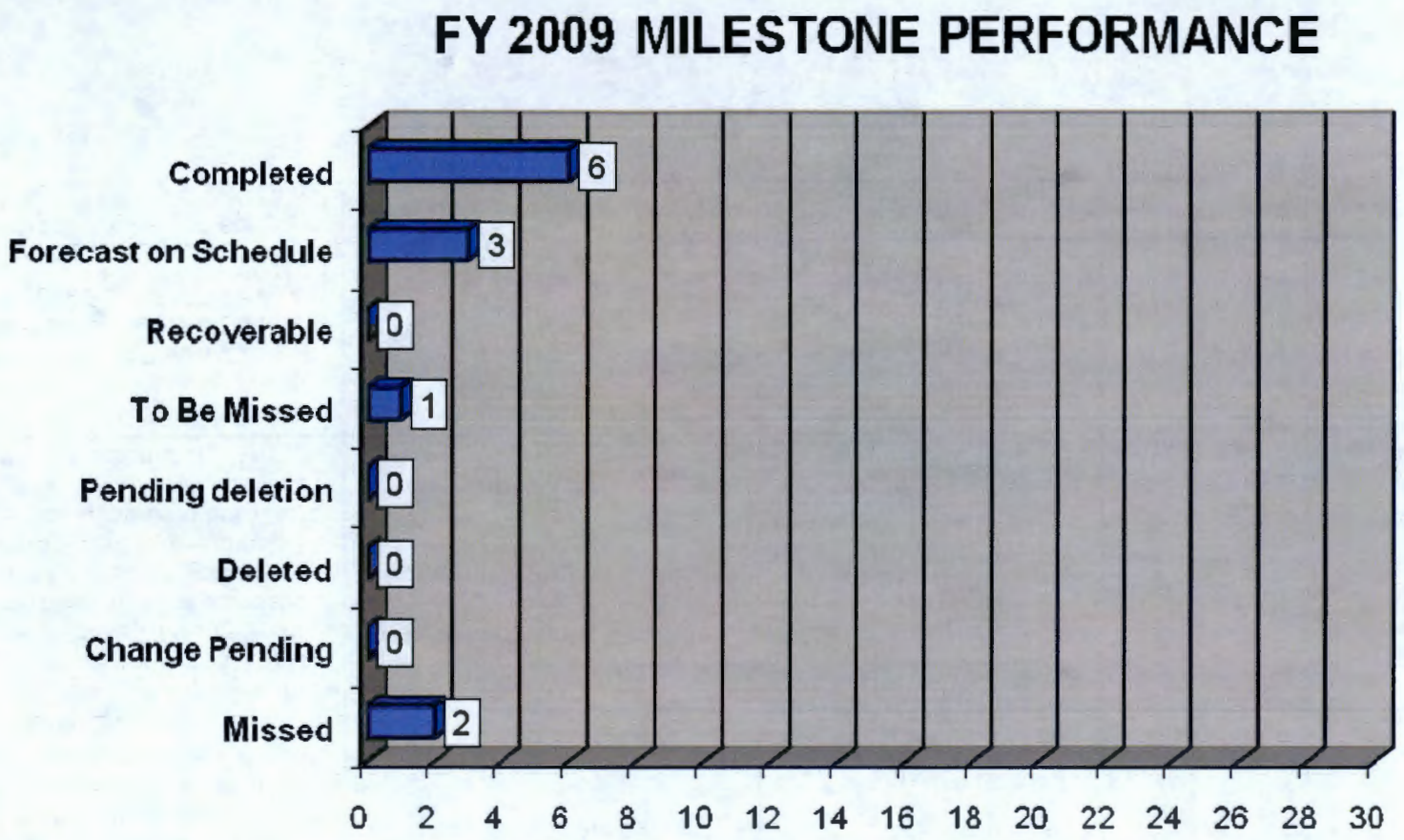
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R34	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/07	10/31/07								
M-045-13-A	Submit to Ecology a Retrieval Data Report for S-112 pursuant to Agreement Appendix I.	12/31/07	12/21/07								
M-045-13-B	Remaining waste has been adequately characterized, and a risk assessment completed for S-112 residuals that remain in the tank.	12/31/07	12/21/07								
M-062-07B	Complete Assembly of LAW Vitrification Facility melter #1 and complete move of #1 melter into the HLW Vitrification Facility	12/31/07						X			
M-062-01P	Submit Semi-Annual Project Compliance Report.	01/31/08	01/31/08								
M-045-55	Submit to Ecology a Phase 1 RFI report integrating results of data gathering activities and evaluations for all SST WMAs.	01/31/08	01/30/08								
D-001-00-R35	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/08	01/31/08								

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recover able	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-00D	Initiate negotiations of SST waste retrieval and closure for 2008-2013.	01/31/08						X			
M-045-02N	Submit Biennial Update.	03/01/08	02/29/08								
M-045-02N-A	Three Parties shall meet to establish new milestones within 60 days, if required, for acquisition of additional tanks.	06/02/08	01/22/09								
D-001-00-R36	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/08	04/30/08								
M-045-00D-A	Negotiations shall be complete within 150 days.	06/29/08						X			
M-045-56D	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/08	07/22/08								
D-001-00-R37	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/08	07/31/08								

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-062-01Q	Submit Semi-Annual Project Compliance Report.	07/31/08	07/30/08								
M-090-10	Ready to accept placement of ILAW in ILAW Disposal Facility.	08/31/08	02/13/07								
M-45-05-T06	Initiate tank retrieval from five additional SSTs.	09/30/08						X			


FY 2009 MILESTONE PERFORMANCE
Completed
6
Forecast on Schedule
3
Recoverable
0
To Be Missed
1
Pending deletion
0
Deleted
0
Change Pending
0
Missed
2
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R38	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/08	10/28/08								
M-045-58	Submit to Ecology for Review and Approval as an Agreement Primary Document Phase 2 Master Work Plan that describes the proposed approach for the completion of Corrective Action to meet final closure requirements in the Waste Management Areas as described in Appendix I, Section 2.3	12/31/08	12/18/08								
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.	12/31/08	12/18/08								
M-062-01R	Submit Semi-Annual Project Compliance Report	01/31/09	01/30/09								

Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R39	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/09	01/30/09								
M-062-09	Start Cold Commissioning – Waste Treatment Plant	02/28/09						X			
M-47-03A	Complete startup/turnover for waste retrieval mobilization systems for selected initial tank high-level waste feed tank	03/31/09						X			
D-001-00-R40	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/09	04/29/09								
M-045-56E	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/09		X							

Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R41	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/09		X							
M-062-01S	Submit Semi-Annual Project Compliance Report	07/31/09		X							
M-045-05-T07	Initiate tank retrieval from 7 additional SSTs	09/30/09					X				

Tank Farm Project Executive Summary

July Reporting

General

The earned value analysis is a comparison of cost and schedule performance to a one-year Interim Performance Measurement Baseline (IPMB). The one-year IPMB was developed as part of contract transition and is based on expected funding levels for fiscal year (FY) 2009. The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones.

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 following information is a summary of cumulative-to -date earned value performance.

PROJECT BASELINE PERFORMANCE STATUS

WRPS July Project Performance - ($K)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	33,598.1	29,788.6	29,015.0	(3,809.5)	773.6	0.89	1.03			
CTD	214,397.2	207,728.4	192,335.7	(6,668.8)	15,392.7	0.97	1.08	2,111,646.1	2,098,017.5	13,628.6
Blue shaded cells indicate increase from last month; grey shaded cells indicate no change; Red shaded cells indicate decrease.										

The Current Month (CM) Schedule Variance (SV) was -$3,810K with a Schedule Performance Index (SPI) of 0.89; the CM Cost Variance (CV) was $774K with a Cost Performance Index (CPI) of 1.03. The Cumulative to Date (CTD) SV was -$6,669K with an SPI of 0.97; the CTD CV was $15,393K with a CPI of 1.08.

Base Operations (-$4,012K): primarily attributable to:

- *Base Operations* due to delayed initiation of work planned to begin in June 2009, and re-sequencing of the grab samples to support C-109 and AN-106 Caustic.

- *DST Space Management* due to late start on tank recirculation efforts, and DST to DST Transfers due to sequence changes resulting from 242-A Evaporator delays; degrading/failed transfer equipment; and 242-A Facility maintenance issues.

- *Tank Farm Upgrades* were negatively impacted due to: AW-B field work delays pending Evaporator campaign completion; Cathodic Protection Rectifier adjustments not being completed as a result of late completion of annual Cathodic Protection System adjustments; and 242-A Evaporator Upgrades due to a lack of Engineering resources currently focused on emergent higher priority work.

Retrieval and Closure (-$2,414K): prime contributors to the CTD SV are:

- *C-104 Retrieval* primarily due to increased planning and preparatory work required to complete 04-A jumper removal/disposal, and sluicer installation due to impacts from high radiation readings in the 04-A pit and added costs of 04-B pit water removal.
- *C Farm Infrastructure* due to resource priority given to C-110 Retrieval Operations and C-104 Construction; delays in procurement and construction contract awards; and resolution of CGID issues on Safety Significant components. The negative CTD SV is partly offset by C-110 Retrieval due to the acceleration and completion of C-110 Construction and Retrieval Operations.

The primary contributors to the favorable CTD CV of $15,392K are:

- *Business Services* due to Business and Occupation (B&O) tax being eliminated due to the high technology credit; lower than planned cost for materials; below planned levels in company travel and labor; and labor under-runs associated with unfilled staffing positions.

- *Workforce Resources* due to training class attendance being below plan and labor under-runs in the Training Program.

- *Recovery Act due to delays in resolving* technical and cost evaluations that had to be resolved before issuance of the contract, therefore very little cost was incurred during the AWA 45-day time period. Also due to the uncertainties of the work scope to be funded by the Recovery Act, Project managers delayed hiring staff until RA work scope for CLIN 3 was finalized; therefore the cost for new hires was under run.

- *Retrieval/Closure Program* due to efficiencies in engineering and field work activities and using direct labor versus contract labor.

- *WTP Feed Delivery* due to lower direct staff hired than planned and delays in contracts.

The CTD CV was partially offset by:

- *Base Operations* due to TSR Surveillance & Maintenance expending more labor than planned to perform maintenance activities; and the labor budget planned was significantly underestimated.

- Base Operations due to the unplanned maintenance costs associated with the decontamination of the 242-A Evaporator condenser room, repair of the condenser room secondary containment special protective coatings, removal of existing electric compressors and preparatory work for installation of the new electric compressors and equipment repairs to support the evaporator campaigns.

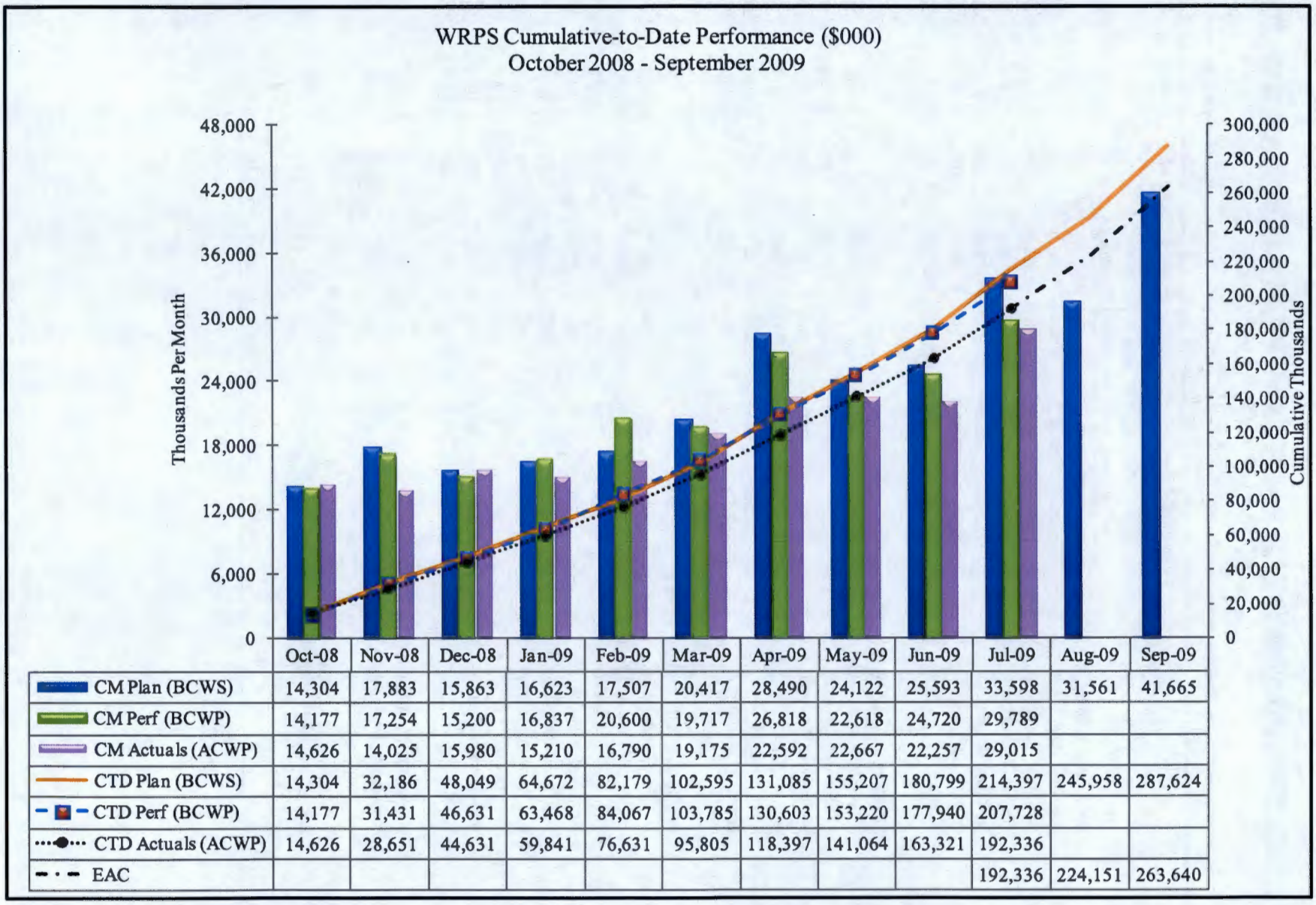
- *Retrieval Technology Development* due to increased costs resulting from the technical change approach of the MARS; and *Retrieval Program Management* primarily due to higher than planned costs for HPT readiness.

- *SST Retrieval costs due to* increased planning and preparatory costs associated with the C-104 complexities which were not anticipated (refer to schedule variance). Additional labor and material costs associated with Commercial Grade Item Dedication (CGID) for rework of Quality Assurance Inspection Plans, including rigorous inspections and travel to vendor facilities. Overtime for completion of construction and construction testing was higher than planned

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2008 - 07/2009
BY WORK BREAKDOWN STRUCTURE
Dollars in Thousands

Cumulative Contract-To-Date

		Budgeted Cost			Variance				
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV%	Cost	CV%	Budget at Completion (BAC)
5.1	BASE OPERATIONS								
5.1.1	Base Operations	56,611.2	55,385.1	54,122.5	(1,226.1)	-2.2%	1,262.6	2.3%	414,323.4
5.1.2	DST Space Management	4,662.8	4,053.6	5,505.7	(609.2)	-13.1%	-1,452.1	-35.8%	41,260.4
5.1.3	TOC Facility Operations	16,956.0	16,450.0	15,219.2	(506.0)	-3.0%	1,230.8	7.5%	151,412.1
5.1.4	Tank Farm Upgrades	5,201.1	3,565.5	2,964.2	(1,635.6)	-31.4%	601.3	16.9%	106,951.7
5.1.5	Project Support	72,729.6	72,694.8	62,125.2	(34.8)	0.0%	10,569.6	14.5%	521,135.8
	TOTAL	156,160.7	152,149.0	139,937.8	(4,011.7)	-2.6%	12,211.2	8.0%	1,235,083.4
5.2	RETRIEVE AND CLOSE SSTs								
5.2.1	Retrieval/Closure Program	24,275.1	24,012.8	21,893.3	(262.3)	-1.1%	2,119.5	8.8%	163,850.5
5.2.2	SST Retrieval East Area	20,721.0	18,724.3	21,215.2	(1,996.7)	-9.6%	-2,490.9	-13.3%	216,609.1
5.2.3	SST Retrieval West Area	470.2	314.7	336.6	(155.5)	-33.1%	-21.9	-6.9%	3,275.2
5.2.4	Closure Program	1,160.9	1,151.2	789.7	(9.7)	-0.8%	361.5	31.4%	9,066.4
5.2.5	SST Closure	667.3	677.8	309.5	10.5	1.6%	368.3	54.3%	24,328.5
	TOTAL	47,294.5	44,880.8	44,544.3	(2,413.7)	-5.1%	336.5	0.7%	417,129.7
5.3	WFD/TREATMENT PLNG/DST RETRIEVAL/CLOSURE								
5.3.1	WTP Feed Delivery Program	7,598.1	7,882.3	5,640.4	284.2	3.7%	2,241.9	28.4%	98,665.3
5.3.2	Construct DST Retrieval Systems	1,383.5	1,188.7	1,004.7	(194.8)	-14.1%	184.0	15.5%	106,806.1
5.3.3	RA - Transfer System Mod Project	98.4	76.8	81.0	(21.6)	-22.0%	-4.2	-5.4%	19,082.5
5.3.6	Immobilization Program	580.5	499.7	485.3	(80.8)	-13.9%	14.4	2.9%	51,097.0
5.3.7	WTP Operational Readiness	685.8	483.6	291.0	(202.2)	-29.5%	192.6	39.8%	15,802.3
5.3.9	Tank Waste Pretreatment Project	0.0	5.9	5.9	5.9	0.0%	0.0	0.0%	34,690.8
5.3.10	Secondary Waste Treatment/ETF	181.0	298.1	258.6	117.1	64.7%	39.5	13.3%	39,089.7
5.3.11	Next Generation Projects	228.2	233.4	85.0	5.2	2.3%	148.4	63.6%	53,668.4
	TOTAL	10,755.5	10,668.5	7,851.9	(87.0)	-0.8%	2,816.6	26.4%	418,902.1
5.4	SUPPLEMENTAL TREATMENT								
5.4.1	Supplemental Treatment	186.5	30.0	2.4	(156.5)	-83.9%	27.6	92.0%	24,540.6
5.5									
5.5.2	Waste Treatment Facility	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%	13,990.30
TOC TOTAL		214,397.2	207,728.3	192,336.4	-6,668.9	-3.1%	15,391.9	7.4%	2,111,646.10



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
CM Plan (BCWS)	14,304	17,883	15,863	16,623	17,507	20,417	28,490	24,122	25,593	33,598	31,561	41,665
CM Perf (BCWP)	14,177	17,254	15,200	16,837	20,600	19,717	26,818	22,618	24,720	29,789		
CM Actuals (ACWP)	14,626	14,025	15,980	15,210	16,790	19,175	22,592	22,667	22,257	29,015		
CTD Plan (BCWS)	14,304	32,186	48,049	64,672	82,179	102,595	131,085	155,207	180,799	214,397	245,958	287,624
CTD Perf (BCWP)	14,177	31,431	46,631	63,468	84,067	103,785	130,603	153,220	177,940	207,728		
CTD Actuals (ACWP)	14,626	28,651	44,631	59,841	76,631	95,805	118,397	141,064	163,321	192,336		
EAC										192,336	224,151	263,640

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

I. Near-Term Deliverables:

- **M-45-56F, Complete Implementation of Agreed to Interim Measures**
  Due: 07/31/09
  Status:
  ORP and Ecology met on July 21, 2009 to discuss completed FY2008 interim measures:
  Future interim measures were discussed.

- **M-45-60, 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.

- **M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C**
  Due: 12/31/10
  Status: At Risk. See issues below.

- **M-45-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan for WMA C**
  Due: 7/31/12
  Status: At Risk. See issues below.

II. Significant Accomplishments:

- T-Farm interim barrier monitoring continues.
- Continued direct push characterization in C Farm per the Phase 2 RFI/CMS work plan and SAP for WMA C. Five sites have been investigated with 40 samples having been collected and submitted for analysis.
- Completed direct push characterization in SX Farm in support of Interim Barrier Design. Thirteen sites have been investigated, with 11 sampling holes advanced and 31 samples obtained.
- Continued the joint process with Ecology and other regulatory agencies and stakeholders to define the inputs, approaches, assumptions and methods that will be used for development of a performance assessment for Waste Management Area C.
- Design of the Interim Surface Barrier at TY Farm submitted to ORP.

III. Significant Planned Actions in the Next Six Months:

- Complete SGE data analysis for SX-Farm.
- Initiate SGE data collection at one additional UPR site in C Farm.
- Continue direct push campaign C Farms.

- Initiate design of an interim barrier at SX farm.
- Identify the next site(s) for characterization for a future interim barrier.
- Initiate direct push and SGE characterization of the next site(s) for characterization for a future interim barrier.

IV. Issues

- The transmittal letter for M-45-50 (WMA C work plan and SAP) indicated that the scope of characterization activities identified in the plan could not be completed in time to support the currently scheduled dates for M-45-61 and M-45-62. It has been proposed that the draft consent decree be modified to include changes to the dates for these milestones.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms

SST Retrieval and Closure Program

I. Deliverables

- **M-45-00, Complete Closure of all Single-Shell Tank Farms**
  Due: 9/30/24
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-00B, Complete Specified "Near-Term" SST Waste Retrieval and Interim Closure Activities, to Result in the Retrieval of all Tank Wastes in WMA-C SSTs Pursuant to the Agreement Criteria in Milestone M-45-00**
  Due: 9/30/06 (Or as otherwise indicated within the descriptive text of this milestone.)
  Status: Missed.
  - Completion of four limits of technology retrieval demonstrations:
    - Saltcake dissolution (S-112): Completed (M-45-03C).
    - Modified sluicing (C-106): Completed.
    - Vacuum retrieval (C-200s): Completed; C-203 field retrieval operations completed on March 24, 2005; C-202 retrieval completed on August 11, 2005; C-201 retrieval completed on March 23, 2006; C-204 retrieval completed on December 11, 2006.
    - Mobile retrieval (C-101, C-105, C-110 or C-111): Not completed. C-101 start of retrieval is currently projected for FY 2011. (Note: C-110 retrieval commenced using modified sluicing in compliance with a TWRWP approved by Ecology on 7/3/08. C-111 will have retrieval performed using modified sluicing in compliance with a TWRWP submitted to Ecology on 5/28/09.)

  - Implementation of full-scale leak detection monitoring and mitigation (LDMM) technologies for the first three 100-series tank retrievals following Tank S-112:
    - Tank S-102: High Resolution Resistivity System (HRR) installed; supporting retrieval operations.
    - Tank C-103: HRR demonstration complete.
    - Tank C-108: HRR installed; supporting retrieval operations.
    - Completed HRR injection tests at S-102.
    - Submitted HRR evaluation report and recommendation for further deployment.

  - Submittal of Tank Waste Retrieval Work Plans (TWRWP):
    - Tanks C-201, C-202, C-203, and C-204: Completed on April 8, 2004.
    - Two (2) 100-series tanks by July 31, 2004: Completed on July 29, 2004 (C-103 and C-109).

- Four (4) 100-series tanks by 10/31/04: Completed on October 8, 2004 (C-102, C-104, C-107, C-108, and C-112).
- Five (5) 100-series tanks by January 31, 2005: Completed on January 24, 2005 (C-101, C-105, C-110, and C-111).

- **M-45-00C, Initiate Negotiation of SST Waste Retrieval and Closure Activities and Associated Schedules (for the period February 2007 through August 2008)**
  Due: 9/30/06
  Status: Missed.

- **M-45-00D, Initiate Negotiation of the SST Waste Retrieval and Closure Activities (for the period September 2008 to September 2013)**
  Due: 1/31/08
  Status: Missed.

- **M-45-00D-A, Ecology and DOE Negotiations Shall Be Completed within 150 days.**
  Due: 06/28/08
  Status: Missed

- **M-45-00E, Initiate Negotiation of SST Waste Retrieval and Closure Activities for the Remainder of the SST Program**
  Due: 10/31/12
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-00E-A, Ecology and DOE Negotiations Shall Be Completed within 120 Days.**
  Due: 02/27/13

- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
  Due: 9/30/18
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/07
  Status: Missed.

- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/08
  Status: Missed.

- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
  Due: 9/30/09
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**
  Due: 9/30/10
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
  Due: 9/30/11
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
  Due: 9/30/12
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
  Due: 9/30/13
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
  Due: 9/30/14
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/15
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/16
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/17
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**
  Due: 9/30/24
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
  Due: 3/31/12
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-06-T04, Complete Closure Actions on one WMA**
  Due: 3/31/14
  Status: To Be Missed (based on current DOE Baseline planning).

II. Significant Accomplishments

- Continued C-111 ventilation and equipment installation design.
- Continued Construction Acceptance Testing on C-104 WRS and on AN-101 DST transfer pump.
- Continued C-108 heel sample analysis at 222S laboratory.
- Initiated MARs installation at Cold Test Facility for phase II testing.
- Refurbished and Restarted S-102 HVAC system to facilitate free liquid removal from S-102 and move S-102 back to 'interim stabilized' condition.

III. Significant Planned Activities in the Next Six Months

- Complete design of retrieval system for Tank C-111.
- Complete construction activities at Tank C-104 and begin retrieval.
- Initiate removal of legacy equipment from C-111.
- Award C-111 construction contract for retrieval system installation.
- Analyze C-108 heel.
- Complete phase II testing of MARs.
- Commence design of C-107 Waste Retrieval System (MARs deployment)
- Achieve 'interim stabilized' liquid levels on S-102.

IV. Issues

- Milestones M-45-00B (retrieve all C Farm tanks), M-45-00C (initiate negotiations on SST retrievals for 2007-2008), and M-45-00D (initiate negotiations on SST retrievals for 2008-2013) were missed. TPA negotiations to address these and other milestones sometime after November 9, 2009, when public review and comment on the newly proposed Consent Decree is complete.

C-FARM RETRIEVAL SUMMARY SCHEDULE FORECASTS [a]

Tank	Final Design Drawings complete	Construction Complete	Process Control Plan Complete	Start Retrieval	Complete Retrieval	TSAP Complete	Retrieval Data Report or Appendix H to Ecology/EPA
C-101	4/1/11	3/23/12	4/8/12	5/8/12	8/11/14	7/11/14	1/13/15
C-102	9/30/11	9/20/12	10/2/12	11/2/12	8/19/14	7/19/14	4/16/15
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104	Complete	9/11/09	Complete	10/27/09	4/15/12	3/15/12	12/7/12
C-105	6/28/11	6/18/12	7/1/12	8/1/12	8/19/14	7/19/14	4/8/15
C-106	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-107	3/21/14	12/19/14	2/26/15	3/26/15	12/18/15	11/18/15	4/26/17
C-108[c]	Complete	Complete	Complete	Complete	11/9/10	10/9/10	7/8/11
C-109[cd]	Complete	Complete	Complete	Complete	12/21/11	11/21/11	8/16/12
C-110	Complete	Complete	Complete	Complete	8/21/11	7/21/11	4/17/12
C-111	9/30/09	5/20/10	6/3/10	7/3/10	1/21/13	12/21/12	9/13/13
C-112	8/16/10	8/5/11	8/20/11	9/20/11	4/22/13	3/22/13	2/13/14
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	Complete

a. Completion dates are based on the statused August month-end Integrated Mission Execution Schedule (IMES) as of 8/26/09 and the Near Term Baseline Schedule (NTBS) and are subject to change as efforts continue to identify and implement schedule efficiencies.
c. Sluicing was performed to the limits of the sluicing system technology.
d. Hard Heel Retrieval using MRT complete to limits of technology, not achieving less than 360 cu ft residual, awaiting future retrieval path forward.

SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

- **M-45-02N, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02N for further details)**
  Due: 3/1/08 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: Complete.

- **M-45-02N-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks**
  Due: 06/02/08
  Status: Complete. On May 15, 2008, Ecology transmitted comments on the M45-02N deliverable. On July 23, 2008, ORP transmitted letter 08-TF-049 to Ecology with a plan for responding to Ecology comments on and updating the Retrieval Sequence Document (RPP-21216). The revised document was submitted to Ecology on September 12, 2008, by letter 08-TF-062. Ecology approved the document on January 22, 2009, by letter 0900343.

- **M-45-02O, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02M for further details)**
  Due: 3/1/10 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule. Ecology has requested the Parties meet to discuss the methodology and contents of the next biennial update.

- **M-45-02O-A, 3 Parties Shall Meet To Establish New Milestones Within 60 Days**
  Due: 04/30/10
  Status: On Schedule.

- **M-45-02P, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02M for further details)**
  Due: 3/1/12 (Biennially thereafter. Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule.

- **M-45-02P-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks**
  Due: 4/30/12
  Status: On schedule.

- **M-45-02Q, Submit Biennial Update to SST Retrieval Sequence Document**
  Due: 03/01/14
  Status: On Schedule

- **M-45-02Q-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
  Due: 04/30/14
  Status: On Schedule

- **M-045-02R, Submit Biennial Update to SST Retrieval Sequence Document**
  Due: 03/01/16
  Status: On Schedule

- **M-045-02R-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
  Due: 04/30/16
  Status: On Schedule

- **M-45-02S, Submit Biennial Update to SST Retrieval Sequence Document**
  Due: 03/01/18
  Status: On Schedule

- **M-45-02S-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
  Due: 04/30/18
  Status: On Schedule

II. Significant Accomplishments

None.

III. Significant Planned Activities in the Next Six Months

- None.

IV. Issues

- None.

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**
  Due: 2/27/04
  Status: Complete.

II. Significant Accomplishments

- None.

III. Significant Planned Activities (PA) 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.)
- Continue PA workshops with Ecology, EPA, NRC, and DOE HQ focused on residual waste in C Farm tanks and pipelines following retrieval.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction (NOC) Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement (EIS) and associated Record of Decision (ROD); forecast completion for the final EIS ROD is in 2010.

Tank 241-S-102

I. Deliverables

- **M-45-05A, Complete Waste Retrieval from Tank S-102**
  Due: 3/31/07
  Status: Missed. As a result of equipment failure on March 14, 2007, retrieval operations were suspended at Tank S-102 with retrieval approximately 91% complete and approximately 423,000 gallons total waste removed. Retrieval was restarted on July 25, 2007 and halted on July 26, 2007 when an aboveground waste spill occurred. Retrieval is estimated to be approximately 93.3% complete with 433,000 gallons of total waste removed.

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
  Due: 6/30/11
  Status: On schedule.

- **M-45-15B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank**
  Due: 6/30/11
  Status: On schedule.

- **M-45-15C, Embedded Milestone, An update to the S-102 Component Closure Activity Plan has been submitted by DOE**
  Due: 6/30/11
  Status: On schedule.

- **M-45-15D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H**
  Due: 6/30/11
  Status: On schedule.

II. Significant Accomplishments

- Continued to operate the S-102 exhauster to reduce the volume of supernatant liquid in the tank. Video review of the tank has shown that well over 1,000 gallons of liquid has been evaporated.

III. Significant Planned Activities in the Next Six Months

- Continue to operate the S-102 exhauster until S-102achieves interim stabilized status.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure.

Tank 241-S-112

I. Deliverables

- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
  Due: 6/30/05
  Status: Complete.

- **M-45-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-13A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
  Due: 12/31/07
  Status: Completed (ORP letter, 07-TPD-066, dated December 21, 2007). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-13B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank**
  Due: 12/31/07
  Status: Completed (ORP letter, 07-TPD-066, dated December 21, 2007). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-13C, Embedded Milestone, An update to the S-112 Component Closure Activity Plan has been submitted by DOE**
  Due: 6/30/11
  Status: On schedule.

- **M-45-13D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H**
  Due: 6/30/11
  Status: On schedule.

II. Significant Accomplishments

- Ecology letter of August 28, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

III. Significant Planned Activities in the Next Six Months

- None.

IV. Issues

- None.

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs
Due: 09/30/04
Status: Completed on March 31, 2004, with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 held in abeyance by third amendment to the Consent Decree. ORP's obligation to interim stabilize S-112 was satisfied upon completion of retrieval operations. Retrieval of S-102 has been impacted by the spill at this tank. A video taken in S-102 in November 2008 indicates the tank supernatant liquid probably exceeds the 5,000 gallons maximum for a tank to meet IS criteria.

II. Significant Accomplishments:

- Continued to operate the S-102 exhauster to reduce the volume of supernatant liquid in the tank. Video review of the tank has shown that well over 1,000 gallons of liquid has been evaporated.

III. Significant Planned Actions in the Next 6 Months:

- Continue to operate the S-102 exhauster until S-102 achieves interim stabilized status.

IV. Issues

- Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007.

In Tank Characterization and Summary

For the period from August 1 – August 31, 2009:

I. Accomplishments:

- Completed revision 0 of RPP-PLAN-42308, *Tank 241-AN-102 Grab Sampling and Analysis Plan in Support of Corrosion Mitigation for Fiscal Year 2009* on August 19, 2009.
- Completed revision 1 of RPP-PLAN-39401, *Tank 241-AZ-102 Grab Sampling and Analysis Plan in Support of Evaporator Campaign for Fiscal Year 2009* on August 24, 2009.
- Completed data report RPP-RPT-42085, *Final Report for Tank 241-AN-106 Post Caustic Addition Grab Samples Collected in June 2009 in Support of the Tank Farms Recovery Plan TF-RP-09-01* on August 19, 2009.
- Completed revision 7 of HNF-SD-WM-DQO-014, *242-A Evaporator Data Quality Objectives* on August 19, 2009.
- Completed revision 15 of HNF-SD-WM-DQO-001, *Data Quality Objectives for the Tank Farms Waste Compatibility Program* on August 20, 2009.
- Completed revision 2 of RPP-SPEC-28275, *Corrosion Probe Data Quality Objectives* on August 24, 2009.

II. Planned Action within the next Six Months:

- Tank Sampling
  - Tank 241-AZ-102 liquid grab samples scheduled for September 2009.
  - Tank 241-AP-107 evaporator grab samples scheduled for October 2009.
  - Tank 241-AY-101 liquid grab samples scheduled for November 2009.
  - Tank 241-AN-101 mid C-104 retrieval samples scheduled for November 2009.
  - Tank 241-AN-102 corrosion mitigation samples scheduled for September 2009.

- BBI Updates
  - Ten tank updates are planned for the fourth quarter of fiscal year 2009.
    - Updates for all ten tanks have been started.
    - Updates for two tanks have been completed.

- Data Quality Objectives (DQO)
  - Complete revision 4 of the SST Component Closure DQO in October 2009.

III. Issues:

- None.

Milestone M-47-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-03A, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank**
  Due: 03/31/09
  Status: Missed.

- **M-47-06, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018**
  Due: 06/30/10
  Status: Negotiations are not yet underway.

II. Significant Accomplishments:

- None.

III. Significant Planned Actions in the Next Six Months:

- None.

IV. Near-term Actions Needed by DOE or Ecology:

- None.

V. Issues:

- Nothing to report.

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

EVAPORATOR CAMPAIGNS

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY09	09-01	AP-101/AP-105	AP-104	Entered OPERATION MODE on 3/17/09 and returned to SHUTDOWN MODE on June 25, 2009. Campaign 09-01/09-02 processed approximately 2.1mgal of DST waste achieving 948kgals (45%) waste volume reduction.
FY09	09-02	AP-101/AP-105	AP-104/ AP-101	
FY10	10-01	AP-107	AP-104	Detailed planning for FY10 and out-year campaigns subject to retrieval activities and Tank Operations Contractor commitments and requirements. Forecast FY10-11 campaigns are based on preliminary planning associated with blending AZ-102.
FY10	10-02	AW-106	AP-104/ AP-107	
FY11	11-01	AZ-102	AP-107	
FY11	11-02	AY-101	AP-017	

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications

I. Near-Term Deliverables:

- **M-90-10, Ready to Accept Placement of ILAW Waste in ILAW Disposal Facility**
  Due: 8/31/08
  Status: Complete.

- **M-90-11, Complete Canister Storage Facility Construction**
  Due: 8/31/10
  Status: To Be Missed. To be renegotiated to align with WTP schedule.

II. Significant Accomplishments:

- None to report.

III. Significant Planned Actions in the Next Six Months:

- None to report.

IV. Issues

- None to report.

Milestone M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes

I. **Near-Term Deliverables:**

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes**
  Due: 12/31/2028
  Status: To Be Missed.

- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes**
  Due: 02/28/2018
  Status: To Be Missed.

- **M-62-01R, Submit Semi-Annual Project Compliance Report**
  Due: 01/31/2009
  Status: Complete.

- **M-62-01S, Submit Semi-Annual Project Compliance Report**
  Due: 07/31/2009
  Status: On Schedule.

- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility**
  Due: 12/31/2007
  Status: Missed.

- **M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle**
  Due: 06/30/2006
  Status: Missed.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant**
  Due: 02/28/2009
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant**
  Due: 01/31/2011
  Status: To Be Missed (based on current DOE Baseline planning).

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline**
  Due: 06/30/2007
  Status: Missed.

II. Significant Accomplishments:

- None to report.

III. Significant Planned Actions in the Next Six Months:

- None to report.

IV. Issues:

- None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

There are about 2,925 FTE equivalent contractor [Bechtel National Inc. (BNI)] personnel working on the WTP Project, with about 805 craft, 385 non-manual, and about 150 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through July 2009 is 50%, design and engineering is 76% complete, and construction is 45% complete.

The overall WTP Project cost and schedule performance was again positive in July. Cost and schedule performance continues to be positive for construction, and the Engineering cost performance continues to be positive; however, engineering schedule performance in July was negative for the second time (after several positive months). The following areas are under evaluation for opportunities to reduce design complexities.

Material at Risk (MAR)

Based on recommendations by the Material at Risk (MAR) team chartered in December 2008, ORP and BNI have evaluated team recommendations that could result in reclassification of systems that would allow removing unnecessary complexity in the control strategy, while still maintaining safety commensurate to the risk. The MAR change package was submitted to ORP for approval in July; however, comment resolution has revealed that the inter-relationships between MAR, vessel hydrogen control, and HPAV require a combined change package be prepared to effectively respond to all comments. DOE and ORP are in progress of finalizing the integrate safety basis change package and establishing the review schedule by external Agencies to support approval by mid October 2009.

Hydrogen in Piping and Ancillary Vessels (HPAV)

Based on recommendations by the HPAV team chartered in February 2009, ORP and BNI have evaluated team recommendations that could result in removing unnecessary complexity in the control strategy, while still maintaining safety commensurate to the risk. Much progress has been made in understanding the new information gained from 2008 HPAV testing, including the conclusion that strains greater than yield are acceptable, as provided by ASME Code guidance, for events (loads) that are demonstrated to have sufficiently low frequency of occurrence. Additional testing in 2009 to evaluate the impact of HPAV for piping sizes larger than 4-inch and

analyzing minimum detonable gas volumes and geometries is in progress and scheduled to complete in late October 2009.

DOE-STD-1066

An alternate approach has been developed that demonstrates a comparable level of safety to that achieved by verbatim compliance with the Section 14 requirements. A ventilation system evaluation and gap analysis between DOE-STD-1066-97, Section 14, and the WTP alternate approach design submitted by the Contractor, has been accepted and concurred with by the DOE EM Program Secretarial Officer (PSO) accepting the alternate approach, including gaps, as acceptable. ORP has directed the WTP Contractor to implement the alternate approach by revising the Safety Requirements Document and Preliminary Documented Safety Analysis to incorporate the alternate approach. ORP expects the revision in November 2009.

Recent Issues:

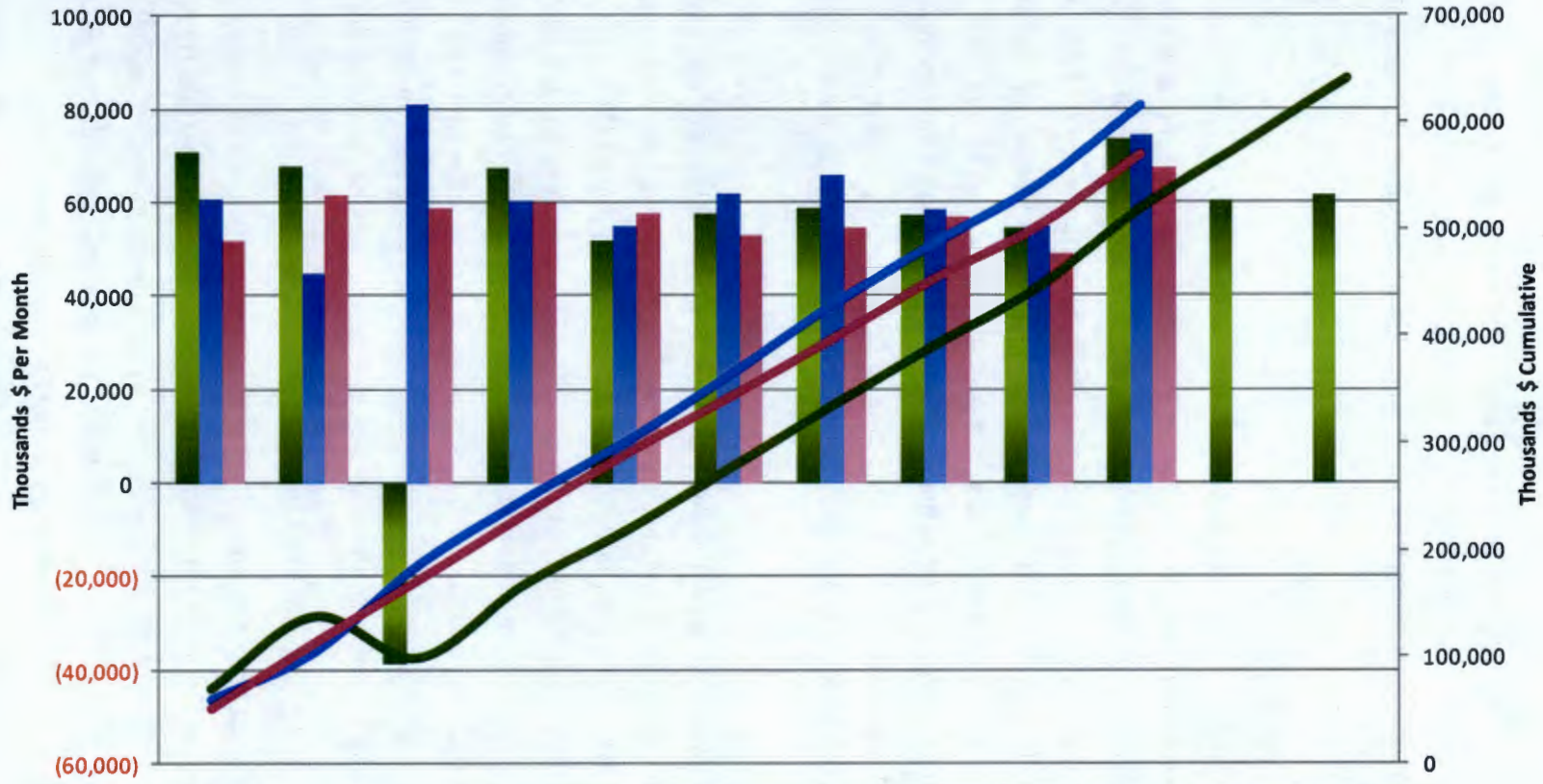
Vendor Commercial Grade Dedication (CGD) Issue Extent of Condition Review

In recent months, problems associated with vendor and subcontractor implementation of NQA-1 allowed commercial grade dedication – to upgrade commercial material for important to safety applications – was identified by ORP staff. In response, BNI implemented a review of all of its important to safety "Q" suppliers. These issues have included both vendor and sub-tier supplier CGD performance problems that have rendered some material quality indeterminate. After review of the conditions/ circumstances, in late July BNI opted to take the conservative action of suspending all further shipments of Q materials and/or equipment until such time that the Extent of Condition (EOC) was understood and appropriate compensatory measures were put into place. Release of each suspension will be made on a case by case basis.

To fully understand the EOC, BNI established and implemented a Vendor CGD (VCGD) Program Review to rapidly assess every Q Vendor to determine adequacy of CGD knowledge, procedures, and work practices. To date, four (4) full-time review teams have been mobilized. BNI has identified ninety-five (95) Q Vendors that currently are or have supplied the project with Q material. Of the initial 64 current vendors, seven (7) are determined to be providing commercial materials leaving fifty-seven (57) extent of condition visits to be completed. By September 15th, the VCGD Program Review was over 65% complete with active Vendor reviews. Vendor program reviews are scheduled to complete mid-September for materials/ equipment required to support the construction effort in the near-term. To date, there are no

impacts to construction, and ORP will continue to closely monitor BNI's efforts to identify vendor CGD problems and address WTP indeterminate quality materials.

WTP – Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	70,758	67,579	(38,879)	67,150	51,588	57,411	58,690	56,923	54,235	73,376	60,349	61,335
Monthly Perf (BCWP)	60,635	44,807	80,838	60,176	54,721	61,703	65,588	58,261	54,679	74,291		
Monthly Actuals (ACWP)	51,680	61,458	58,506	59,979	57,523	52,913	54,444	56,863	48,848	67,152		
BCWS (FY to Date)	70,758	138,337	99,459	166,609	218,197	275,608	334,299	391,221	445,456	518,832	579,181	640,515
BCWP (FY to Date)	60,635	105,442	186,279	246,455	301,176	362,879	428,467	486,728	541,407	615,698		
ACWP (FY to Date)	51,680	113,138	171,644	231,623	289,146	342,059	396,503	453,366	502,214	569,366		

Pretreatment (PT) Status for August 2009 (July 2009 EVM Data)

The 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. Overall facility percent complete is 46%, engineering/design is 75% complete, and construction is 26% complete.

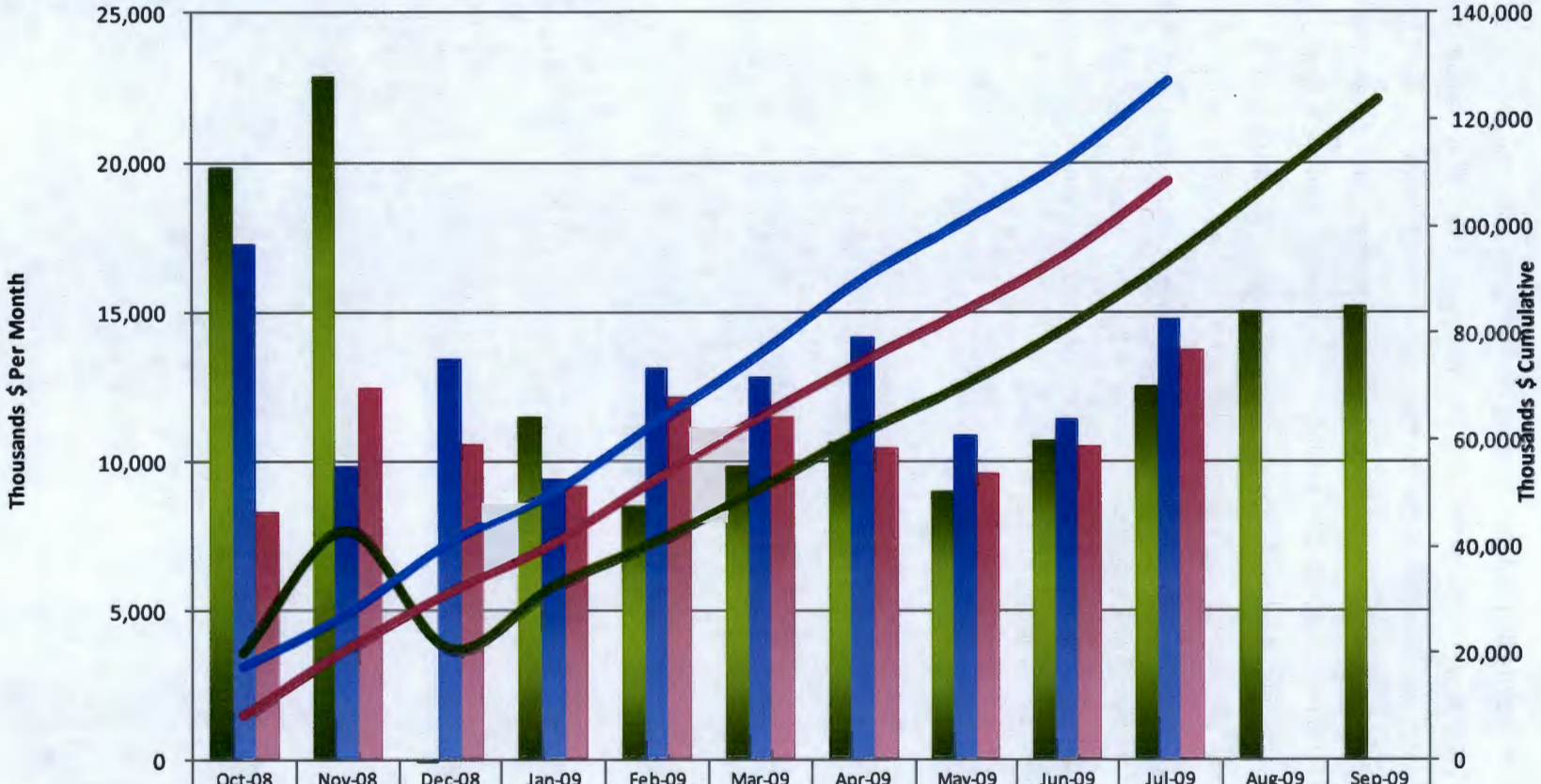
Construction installations for the month included: 452 cubic yards (CY) of concrete, 167 tons of rebar, 57,286 lbs of embeds and over 151 tons of tier-3 structural steel. BNI's concrete recovery plan has been implemented and placements for August achieved the monthly target of 4 placements in accordance with the recovery plan. Placement of rebar for slabs at the 77-ft elevation has started. Structural steel installations and concrete placements are ongoing at the 56-ft elevation, as well as the installation of stainless steel drain lines. Application of special protective coatings to walls and floors are ongoing at the 28-ft elevation. Installation and welding of ring beams in planning area 13W has been completed. In addition, installation of HVAC ductwork and supports has started. Application of fireproofing on columns and the fabrication of rebar curtains; the building of scaffolding; and the installation of grounding are continuing.

Over 400 piping isometric drawings were issued this month. The structural and architectural group is 9 weeks ahead of schedule for drawing releases, adding to the available work backlog for construction. Piping design for planning areas 1 and 7 (which are the black cells around the 4 Feed Receipt vessels, 2A/B/C/D and Plant Wash vessels 15/16) is complete and the BNI engineering design process is being evaluated and restructured to reduce the seismic analysis backlog for the stress and supports group and improve plant design production rate. Additionally, conceptual designs for Jumper/framing in the hot cell have been advanced to facilitate system integration with the piping and equipment design and reduce procurement risks.

A number of technical issues are being worked on by BNI in conjunction with DOE. A recent evaluation of the implementation of vendor commercial grade dedication system (CGD) program identified that CGD requirements were not adequately met by the sub-suppliers to the BNI vendors. BNI placed all deliveries on hold and is conducting a systematic evaluation of each supplier and their sub-suppliers. Vendors are being released individually and the initial screening is scheduled to complete on October 30, 2009. Priority is given to suppliers with deliveries pending. Closure of the EFRT M3 issue (Vessel Mixing) is scheduled for the end of

FY 2009. Currently 26 of the 38 PJM mixed vessels are considered to be acceptable in accordance with the WTP vessel mixing criteria. Testing is in progress to evaluate the remaining vessels, determine acceptability, and identify need for potential upgrades. BNI conducted an engineering analysis to identify potential solutions for the reboiler condensate contamination issue. BNI and DOE conducted a joint review of the potential alternatives and determined that a secondary steam loop was the most appropriate solution. BNI presented this solution to ORP management for consideration and is currently developing ROM cost estimates for the implementation. The majority of technical issues for the cesium nitric acid recovery process (CNP) have been resolved. Efforts to evaluate the lifecycle for evaporator vessel and rectifier internals continue. BNI developed a risk mitigation plan for solids formation in the CXP system and presented the plan to ORP management. Equipment and process changes affecting the current design will be identified prior to the end of FY 2009.

Pretreatment Facility - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	19,822	22,850	(21,942)	11,504	8,508	9,843	10,639	8,999	10,700	12,513	15,039	15,211
Monthly Perf (BCWP)	17,263	9,824	13,441	9,389	13,107	12,825	14,160	10,882	11,402	14,766		
Monthly Actuals (ACWP)	8,307	12,437	10,595	9,141	12,121	11,506	10,469	9,608	10,509	13,718		
BCWS (FY to Date)	19,822	42,671	20,729	32,233	40,741	50,584	61,223	70,222	80,921	93,434	108,473	123,685
BCWP (FY to Date)	17,263	27,087	40,527	49,916	63,023	75,848	90,008	100,890	112,293	127,059		
ACWP (FY to Date)	8,307	20,744	31,339	40,479	52,601	64,106	74,575	84,183	94,692	108,411		

High-Level Waste (HLW) Facility Status for August 2009 (July 2009 EVM Data)

The HLW Facility will receive the high-level waste fraction from the Pretreatment (PT) Facility. The concentrate is sampled and analyzed to determine the optimum blend of glass formers to create a slurry that will produce a vitrified waste form that is compliant with disposal requirements, and that also meets the required production rate. The blended slurry is converted into molten glass in one of the two HLW melters, and then poured into cylindrical stainless steel canisters for cooling. The canisters are sealed and transported to a decontamination cell where any surface contamination is removed prior to transfer for interim or final storage. HLW engineering/design is 80% complete and construction is 22% complete. The overall facility completion is 46% complete.

The primary focus of the HLW Project Team is relocating the Secondary C5V filters from the Filter Cave to the +37' elevation. This effort has engaged all areas of the project: multiple engineering disciplines to redesign the layouts, ducting, and calculating the seismic requirements for the housings, support structures, and nozzles/dampers; Plant Equipment to procure the housings and dampers; Materials Group to procure the commodities, pipe (ducting), and support steel; and Construction to optimize and coordinate the installation activities. The secondary filters are being relocated as one of the conditions to demonstrate a comparable level of safety as delineated in DOE-STD-1066 Section 14, *Nuclear Filter Plenum Fire Protection*. The secondary filters are being changed from remote-change to contact-handled "safe change" units, to allow manual filter changes if the primary filters are loaded and/or destroyed by a fire in the facility. The filter housings and dampers are long-lead items requiring one year for fabrication. The installation of this equipment (C5V/PJV/HOP) and piping/ducting is critical because it must be placed by crane "over the top" of the surrounding Filter Cave walls prior to the placement of slab 3027 at the +37' elevation above. The erection of structural steel and decking for slab 3027 is scheduled for February, 2012.

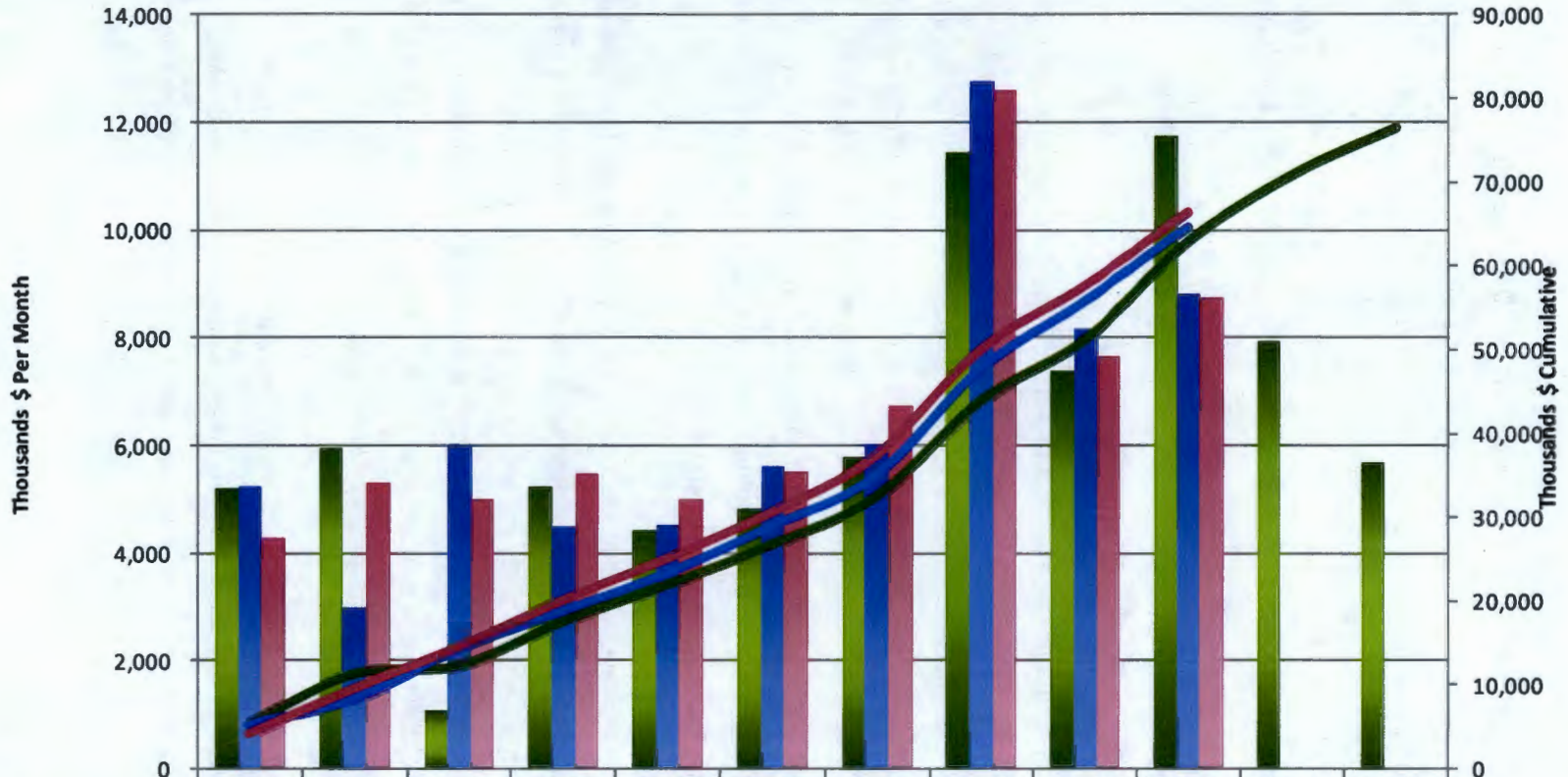
To support the "1066" design enhancements to the Filter Cave, Engineering issued: primary exhaust ventilation and instrumentation diagrams (V&IDs) for the C5V HVAC system; revised general arrangement drawings for elevations -21', 0', and +14'; and continued the analysis needed to determine the seismic and thermal loading design requirements for components (nozzles and housings), support structure, remote dampers, and piping. Other August Engineering activities included the issuances of: offset wall penetration (i.e., "joggle") fabrication and location drawings; embed, concrete wall and slab forming drawings; control logic diagrams

for the Auto-Sampling System (ASX) and Process Vessel Vent (PVV) systems; and 269 piping isometric drawings (approximately 2,500 lineal feet).

Construction forces placed a total of 361 cubic yards (CY) of concrete. Elevation +14' slabs 2008 and 2009 in the northeast section, slab 2011 between the Wet Process Cell and Melter Cave #1, and elevation 0' slab 1036 near the center of the facility were completed in August. By achieving four concrete placements in August, Construction matched the Recovery Plan goal of eight total placements in July and August. Major accomplishments for the month included the completion of coating application in the elevation -31' tunnel, completing the installation of ductwork at elevation -21' Secondary Offgas rooms (planning area 5B), and setting the HLW canister pour handling (HPH) system shield door (HPH-DOOR-00002) in the Bogie Maintenance Room for Pour Tunnel #1.

- At the -21' elevation, Construction crews continued: the installation of cable tray and conduit; aligning and installing bogie rails and supports in the Canister Storage Transfer and Cask Handling tunnels; the fabrication and installation of HVAC ductwork and fire dampers; the installation of non-radioactive liquid, chilled water, and instrument air piping; repairing grillage for installation of liner plate in the Wet Process Cell; installing non-radioactive liquid and offgas piping; and application of coatings.
- At the +0' elevation, crews continued to: install slab and wall rebar, embeds, wall forms, decking, grillage, and commodities; install stairs, structural steel and supports; fabricate rebar curtains; coat tray supports; and install piping supports.
- At the +14' elevation, crews continued to: erect structural steel and decking; install wall and slab rebar; and install commodities, embeds, joggles and formwork for multiple walls and slabs.

High-Level Waste Facility - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	5,197	5,954	1,067	5,238	4,406	4,810	5,772	11,456	7,370	11,742	7,915	5,674
Monthly Perf (BCWP)	5,228	2,977	5,994	4,485	4,533	5,621	6,029	12,757	8,157	8,827		
Monthly Actuals (ACWP)	4,276	5,319	5,006	5,475	5,013	5,497	6,746	12,615	7,645	8,744		
BCWS (FY to Date)	5,197	11,152	12,219	17,457	21,863	26,673	32,444	43,900	51,270	63,012	70,928	76,602
BCWP (FY to Date)	5,228	8,205	14,199	18,683	23,217	28,838	34,867	47,624	55,780	64,607		
ACWP (FY to Date)	4,276	9,595	14,601	20,076	25,089	30,585	37,331	49,946	57,591	66,335		

Low-Activity Waste (LAW) Facility Status for August 2009 (July 2009 EVM Data)

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel containers that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 66%, design is 90%, and construction is 54%.

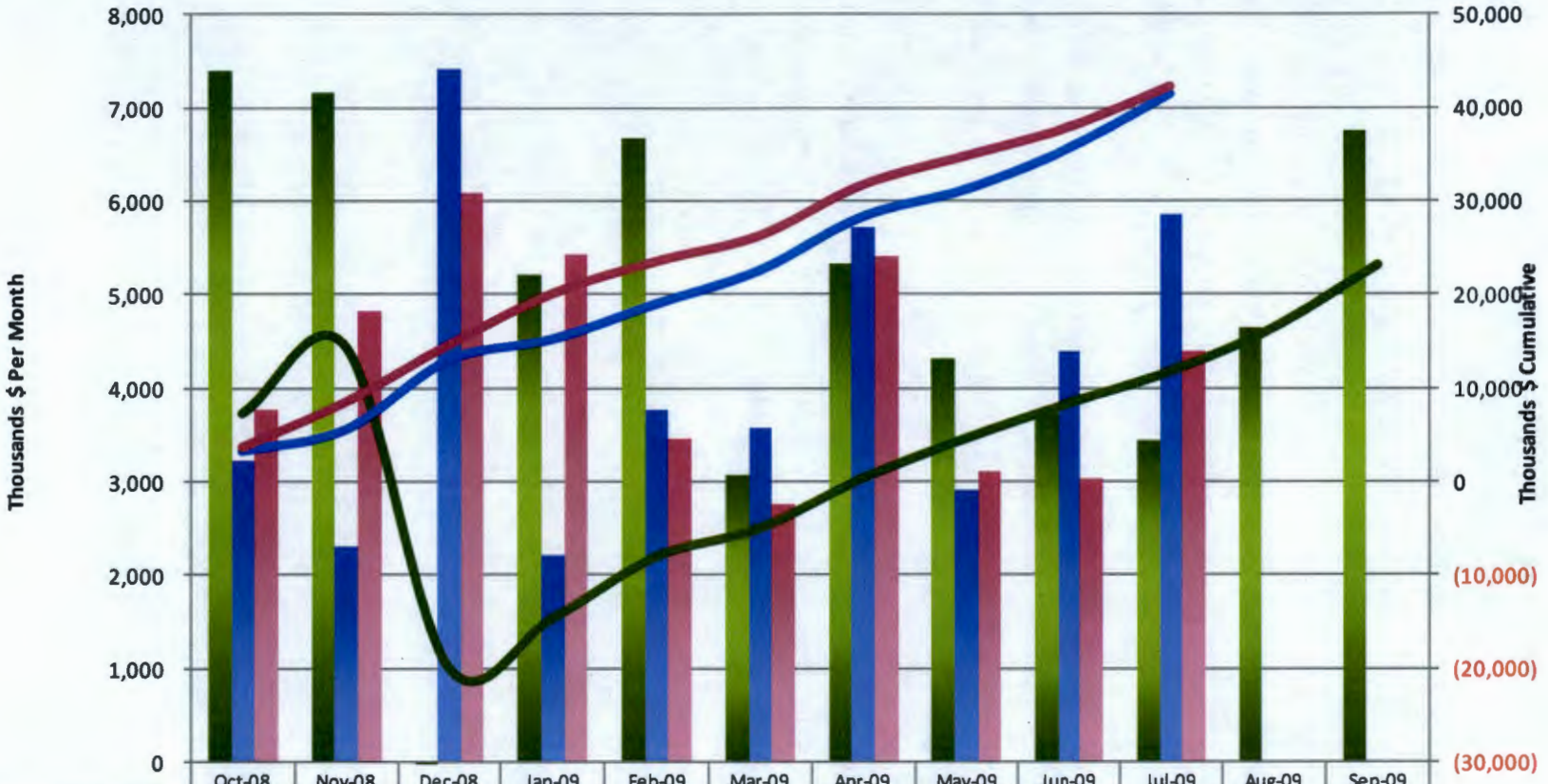
In the month of August, WTP Construction completed an access platform for the glass former reagent system, began welding transition plates on the export bay jib crane, and began installing panel supports for the container pour handling system. Construction continued installation of: piping and hangers, six-inch shield doors, Gypsum wallboard installation, ductwork, cable tray supports and the C3V system fans.

Engineering issued two calculations for the LAW primary offgas process and radioactive liquid waste disposal system, three confirmed calculations for the non-radioactive liquid waste disposal system, and one confirmed calculation for the radioactive liquid waste disposal system (RLD). Engineering also issued mechanical systems confirmed design for the high pressure steam and low pressure steam systems, completed configuration data index for the RLD, low pressure steam, and plant cooling water systems, completed system description part one for the LAW container pour handling system, and a component information system equipment list for the radioactive solid waste handling (RWH) system.

Resolution of technical issues for excessive heat retention in some Melter Pour Cave equipment continues. A high temperature condition has been calculated to occur in certain container handling equipment that could significantly reduce the yield stress of these items. Computational Fluid Dynamics calculation results will be analyzed for equipment stresses by a sub contractor (Energy Solutions) and if a potential problem remains, design changes will be made to rectify the issue. Expected completion date is December 2009.

ORP has worked with BNI on the resolution of temperature increases in the melter feed prep and melter feed vessels due to agitation. Having considered two options, a cooling jacket will be added to the Law Feed Prep and Law Feed vessels to maintain temperatures below 150 F.

Low-Activity Waste Facility - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	7,401	7,152	(34,410)	5,207	6,668	3,069	5,321	4,312	3,733	3,437	4,652	6,749
Monthly Perf (BCWP)	3,231	2,302	7,418	2,214	3,766	3,582	5,724	2,921	4,391	5,860		
Monthly Actuals (ACWP)	3,770	4,824	6,093	5,417	3,456	2,750	5,405	3,117	3,039	4,393		
BCWS (FY to Date)	7,401	14,552	(19,858)	(14,652)	(7,983)	(4,914)	407	4,718	8,451	11,889	16,541	23,289
BCWP (FY to Date)	3,231	5,533	12,950	15,164	18,931	22,512	28,236	31,157	35,549	41,408		
ACWP (FY to Date)	3,770	8,594	14,687	20,105	23,560	26,310	31,715	34,832	37,871	42,264		

Analytical Laboratory (LAB) Status for August 2009 (July 2009 EVM Data)

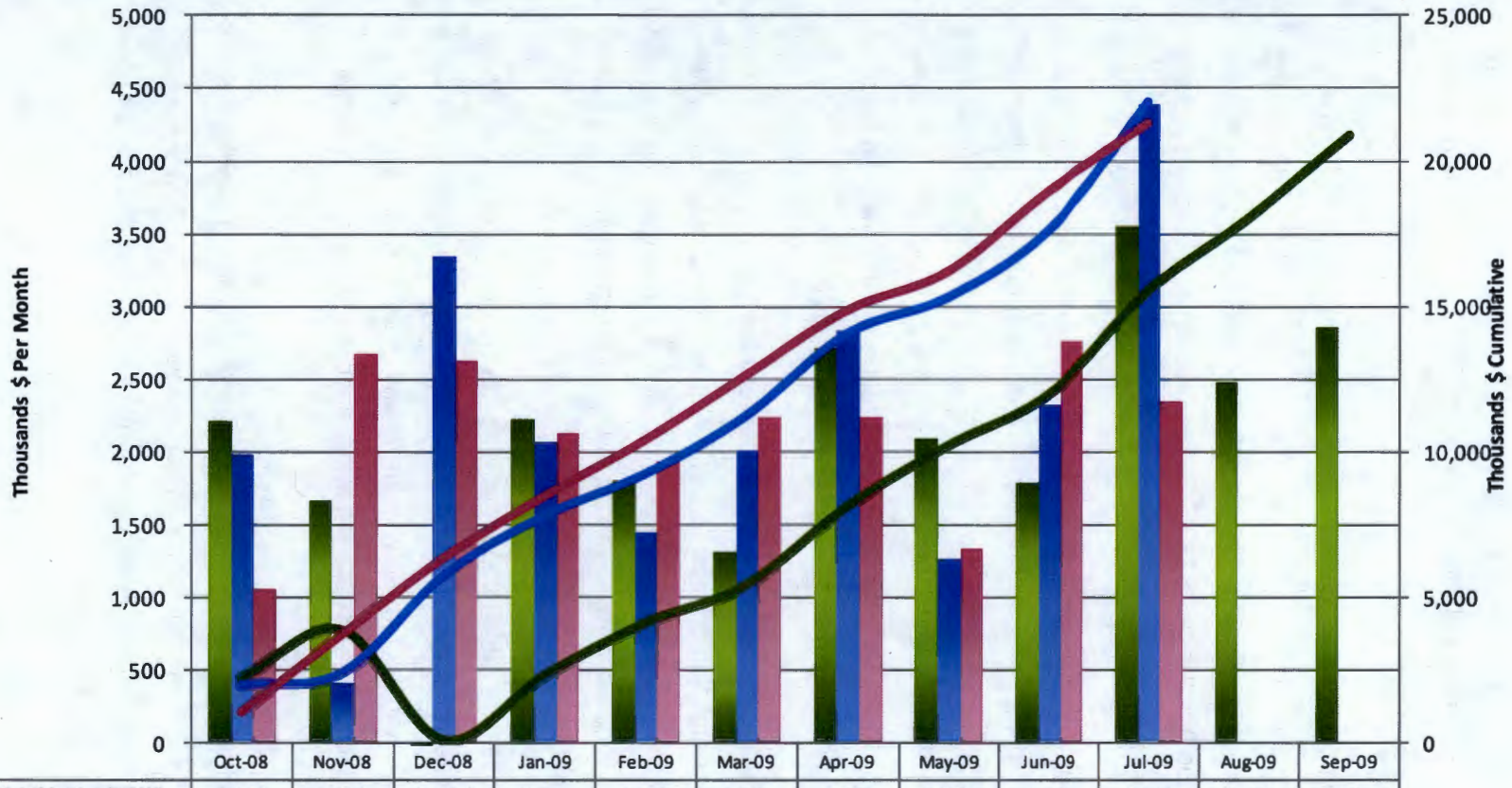
The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 45%, design is 78%, and construction is 52%.

During August, construction continued installation of ductwork, piping and hangers, electrical equipment, and partition walls. Major accomplishments include installation of two system fans and completion of the configuration data system for the Lab radioactive liquid waste disposal system.

Engineering issued one control logic diagram for the breathing service air system, seven control logic diagrams for the C1V HVAC system, the system description for the miscellaneous gases system, confirmed calculation for the plant service air system, and the line list for the process vent system.

Premier Technologies completed their re-design of the hotcell waste transfer system. Factory acceptance testing is scheduled for the week of September 21st. Delivery of the hotcell waste transfer system is scheduled for the end of September 2009.

Analytical Laboratory - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	2,209	1,668	(3,784)	2,225	1,802	1,311	2,707	2,093	1,779	3,549	2,483	2,852
Monthly Perf (BCWP)	1,982	412	3,338	2,068	1,440	2,007	2,833	1,257	2,325	4,395		
Monthly Actuals (ACWP)	1,059	2,668	2,620	2,129	1,932	2,230	2,231	1,337	2,758	2,340		
BCWS (FY to Date)	2,209	3,878	94	2,319	4,120	5,431	8,138	10,231	12,010	15,559	18,042	20,893
BCWP (FY to Date)	1,982	2,394	5,732	7,800	9,240	11,248	14,081	15,338	17,663	22,059		
ACWP (FY to Date)	1,059	3,728	6,348	8,477	10,409	12,639	14,869	16,206	18,964	21,304		

Balance of Facilities (BOF) Status for August 2009 (July 2009 EVM Data)

BOF provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete for BOF is 51%, design/engineering is 76%, and construction is 55%.

During August, construction continued: installing, welding, and coating diesel fuel oil pipe; installing scheduled and unscheduled conduit and cable; and, installing the fire alarm detection system in the warehouse building. Construction completed: welding drip shield support at the switchgear building; installing bulkheads for DOE (radiological) lines at the west end; and, excavating for plant service air system lines.

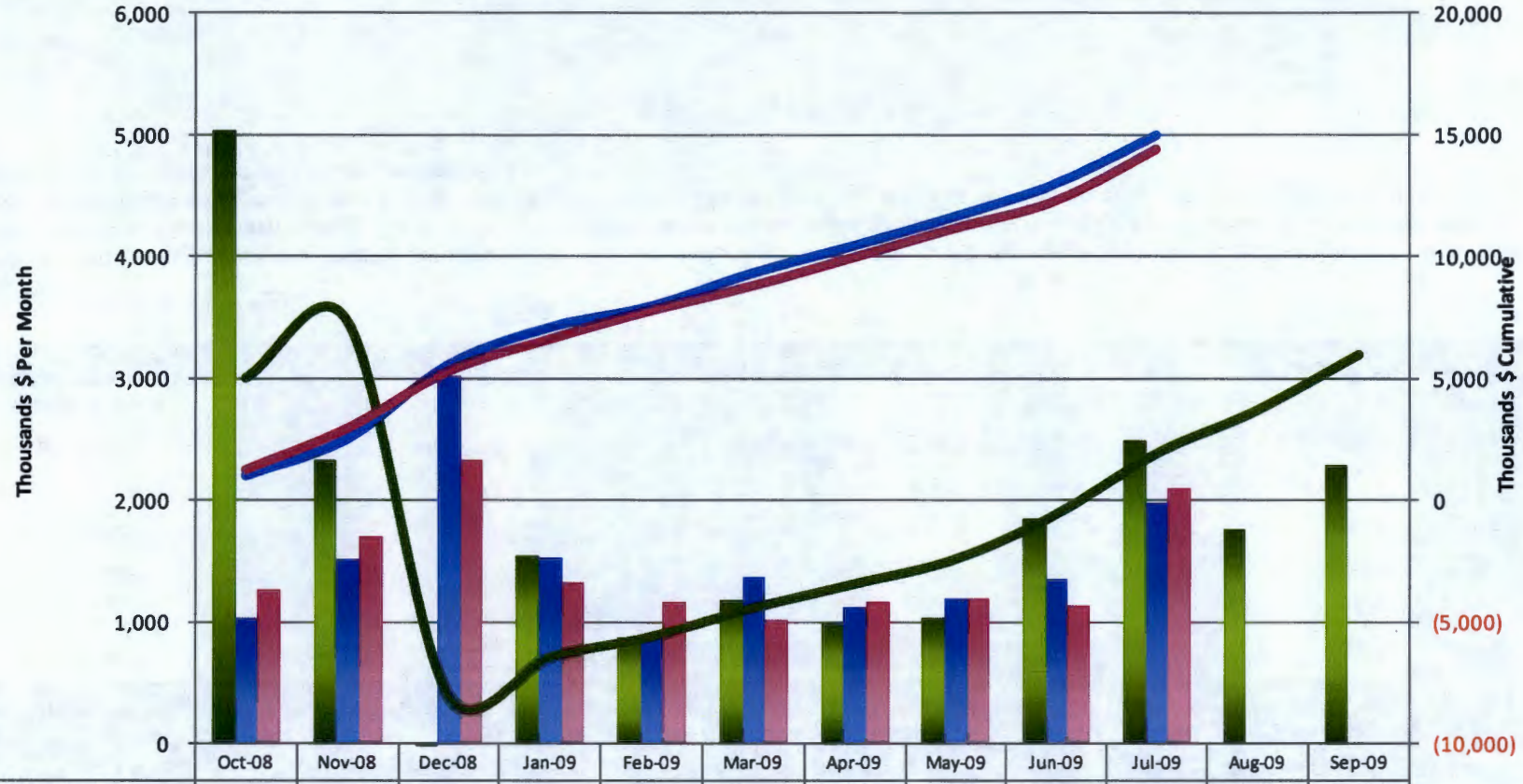
Engineering issued: Component Information System lists for the non-radioactive liquid waste disposal system; completed preliminary scoping and began Start-up review of the switchgear building, which is the first BOF facility in the current Start-up testing waterfall; issued confirmed piping and instrumentation diagrams and lists for the domestic (potable) water system; issued material requisition to purchase the standby diesel generator fuel day tank; and issued a confirmed calculation for the plant service air (PSA) system.

BNI continues to work on their calculations for the WTP electrical load requirements during operations. The expected completion date for the load requirement calculation is September 30th. ORP also continues to work with BNI on procurement of the emergency diesel generator. BNI is holding bi-weekly meetings to discuss the schedule and path forward on the emergency diesel generator procurement.

During July, BNI completed testing and final balancing of the Cathodic Protection System. BNI had originally forecast completion of the Cathodic Protection System turnover package during August. However, BNI is still working to resolve internal and external comments. ORP expects to receive the Cathodic Protection System testing and balancing completion package in September.

BNI continued excavations to determine the extent of condition for piping corrosion due the corrosion issues found of the PSA piping near the Pretreatment Facility. BNI continues to excavate and inspect piping locations to determine extent of condition. BNI plans to complete all excavations by the end of October 2009.

Balance of Facilities - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	5,028	2,328	(15,375)	1,546	870	1,176	992	1,026	1,854	2,485	1,766	2,286
Monthly Perf (BCWP)	1,037	1,512	3,022	1,535	866	1,362	1,121	1,195	1,353	1,975		
Monthly Actuals (ACWP)	1,264	1,697	2,331	1,318	1,167	1,017	1,162	1,188	1,127	2,099		
BCWS (FY to Date)	5,028	7,355	(8,020)	(6,474)	(5,604)	(4,428)	(3,435)	(2,409)	(555)	1,930	3,695	5,982
BCWP (FY to Date)	1,037	2,549	5,571	7,105	7,971	9,333	10,455	11,649	13,003	14,978		
ACWP (FY to Date)	1,264	2,961	5,292	6,610	7,777	8,794	9,956	11,145	12,271	14,371		

Waste Treatment Plant Project - Percent Complete Status
Through July 2009

(Dollars - Millions)	Overall Facility Percent Complete Allocated Dollars			Design/Engineering Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	1,657.0	1,095.5	66%	205.1	185.1	90%	289.9	157.9	54%
Analytical Lab	630.7	286.5	45%	48.6	37.7	78%	85.8	44.4	52%
Balance of Facilities	980.0	500.7	51%	68.1	52.0	76%	213.8	116.9	55%
High-Level Waste	2,573.7	1,195.5	46%	314.4	252.9	80%	508.7	109.5	22%
Pretreatment	4,082.5	1,860.2	46%	570.5	429.5	75%	819.3	213.9	26%
Shared Services	incl. above	incl. above	incl. above	1,058.1	753.6	71%	1,332.2	833.0	63%
Undistributed Budget	8.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	9,932.1	4,938.4	50%	2,264.8	1,710.8	76%	3,249.7	1,475.6	45%

Source: WTP Contract Performance Report

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.

WTP Project - KEY COMMODITY QUANTITY PROGRESS				
Commodity	Unit of Measure	Current Forecast at Completion Quantity	Installed through July 2009	Percent Complete
Concrete	1000 cy	262.30	188.17	71.7%
Structural Steel	1 ton	38,573	14,089	36.5%
Piping (in buildings)	1000 lf	920.83	158.52	17.2%
Piping (underground)	1000 lf	116.01	95.64	82.4%
HVAC Duct	1000 lbs	4,295.67	989.57	23.0%
Cable Tray	1000 lf	98.43	20.06	20.4%
Conduit (in buildings)	1000 lf	999.90	104.77	10.5%
Conduit (underground)	1000 lf	193.11	176.16	91.2%
Cable and Wire	1000 lf	4,931.88	250.64	5.1%

Sign In Sheet

Managers Monthly Milestone Review Meeting

September 22, 2009

NAME	ORG	MSIN	PHONE
Jeff Lyon	Ecology		539 1996
Steve Pfaff	ORP		438-0417
James Lynch	ORP		376-4170
Gail Laws	WDOH		946-0712
Ed Fredenburg	Ecology		372-7899
JOE GAGGIANO	ECOLOGY		372-7915
LES FORT	ECY		372-7984
Jeff LUKE	WRPS		
Ben Harp	ORP		376-1462
Fred Hidden	ORP		373-9393
Gareth Reed	ORP		376-2626
DAVID BECKER	Ecy		372-7990
Tracy Grad	ECY		372-7901
Robbie Biyani	ECY		372-7884
Gary Olsen	ORP		438-4707
WAHEED ABDUL	ORP		438-0455
* Guy Girard attended a portion of the WTP reporting			