Tri-Party Agreement
Manager Milestone Review Meeting
July 22, 2008

Office of River Protection

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

June 2008

Agenda

Office of River Protection
Tri-Party Agreement
Manager Milestone Review Meeting
2440 Stevens Center, Conference Room 1200
July 22, 2008
9:00 a.m. – 11:30 a.m.

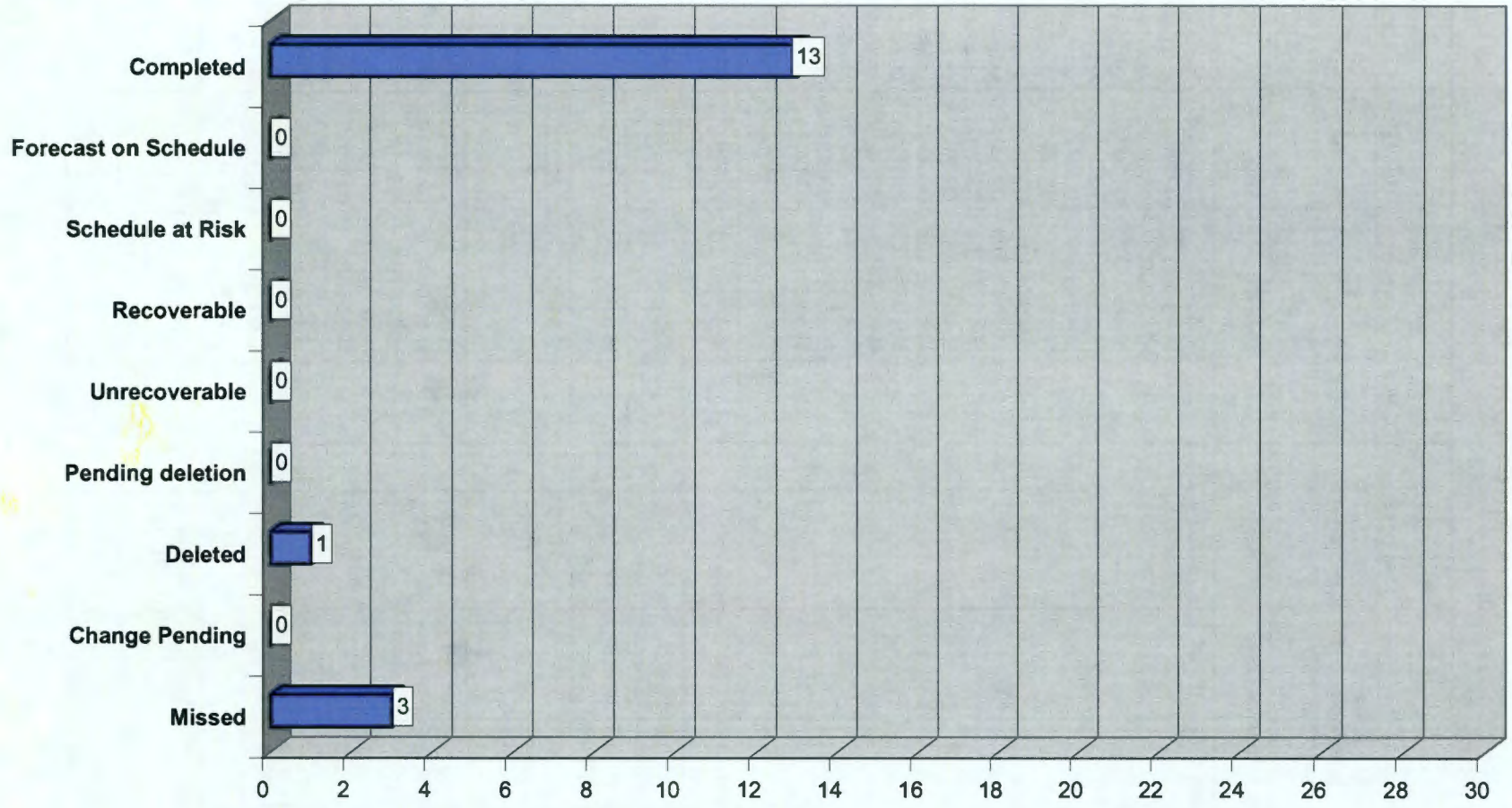
Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl /Jeff Lyon	9:00
52	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:05
54	M-45-00, Complete Closure of All Single-Shell Tank Farms	Chris Kemp / Jeff Lyon	9:20
63	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:40
64	In Tank Characterization and Summary	John Long / Michael Barnes	9:45
65	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Ben Harp / Les Fort	9:50
67	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	9:55
68	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Ben Harp / Suzanne Dahl	10:00
	BREAK		
17	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl /Jeff Lyon	10:10
70	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Gary Olsen/ Suzanne Dahl	10:15

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-45-58 M-45-59 M-45-60 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 12/31/08 TBD 12/31/08 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)	14	M-62-00 M-62-00A M-62-07B M-62-01Q M-62-01R M-62-01S M-62-01T	12/31/28 02/28/18 12/31/07 07/31/08 01/31/09 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	10/31/05								
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	02/2/05								
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 be included in M-45-55 Phase 1 rollup documentation due in 1/08.	4/30/06								X	
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	06/30/06	06/28/06								

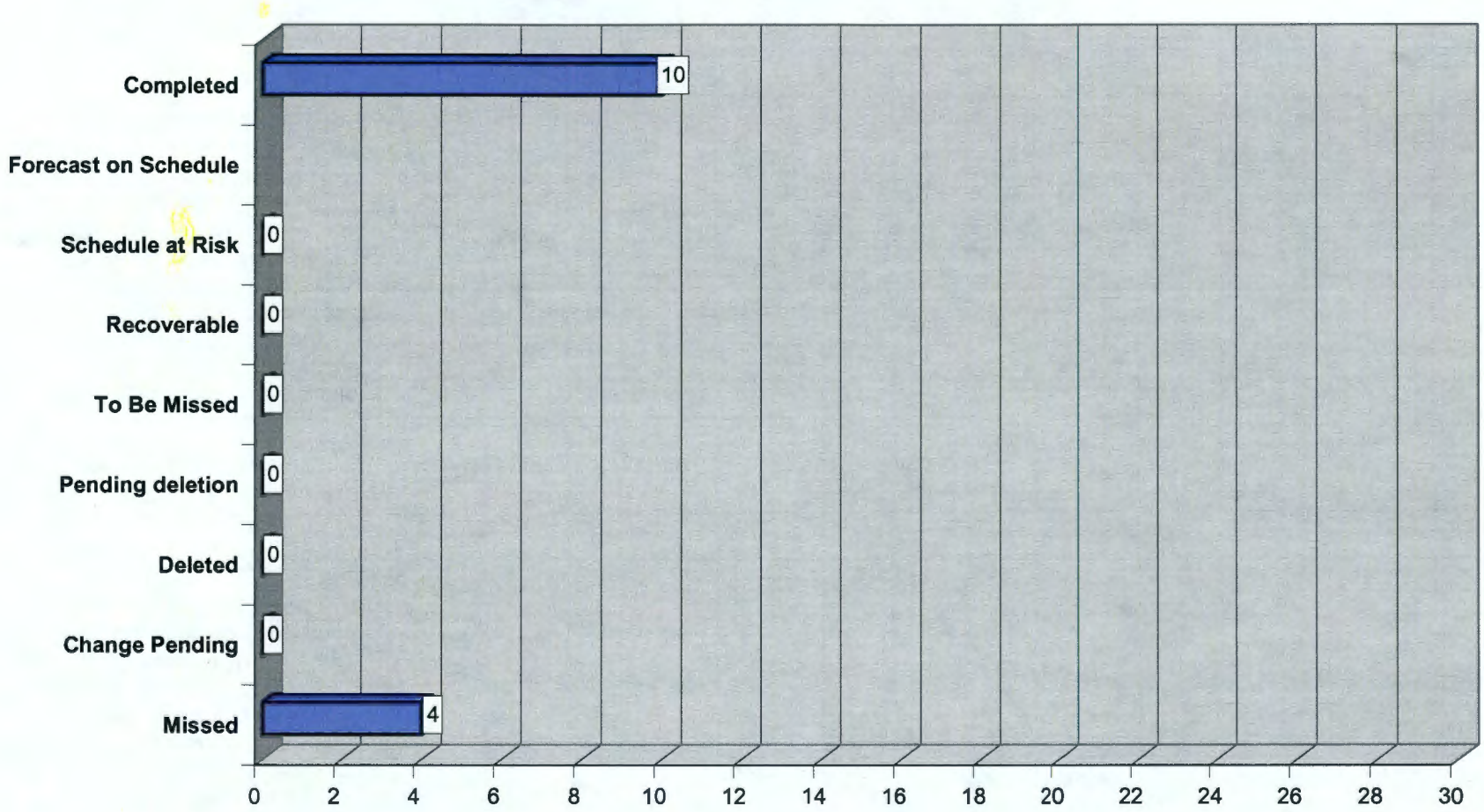
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	construction of SY-B Valve Pit upgrade [see M 48-07A-C].										
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	6/27/06								
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			
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	09/05/06								
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			

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-045-00C	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	12/31/06								
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								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

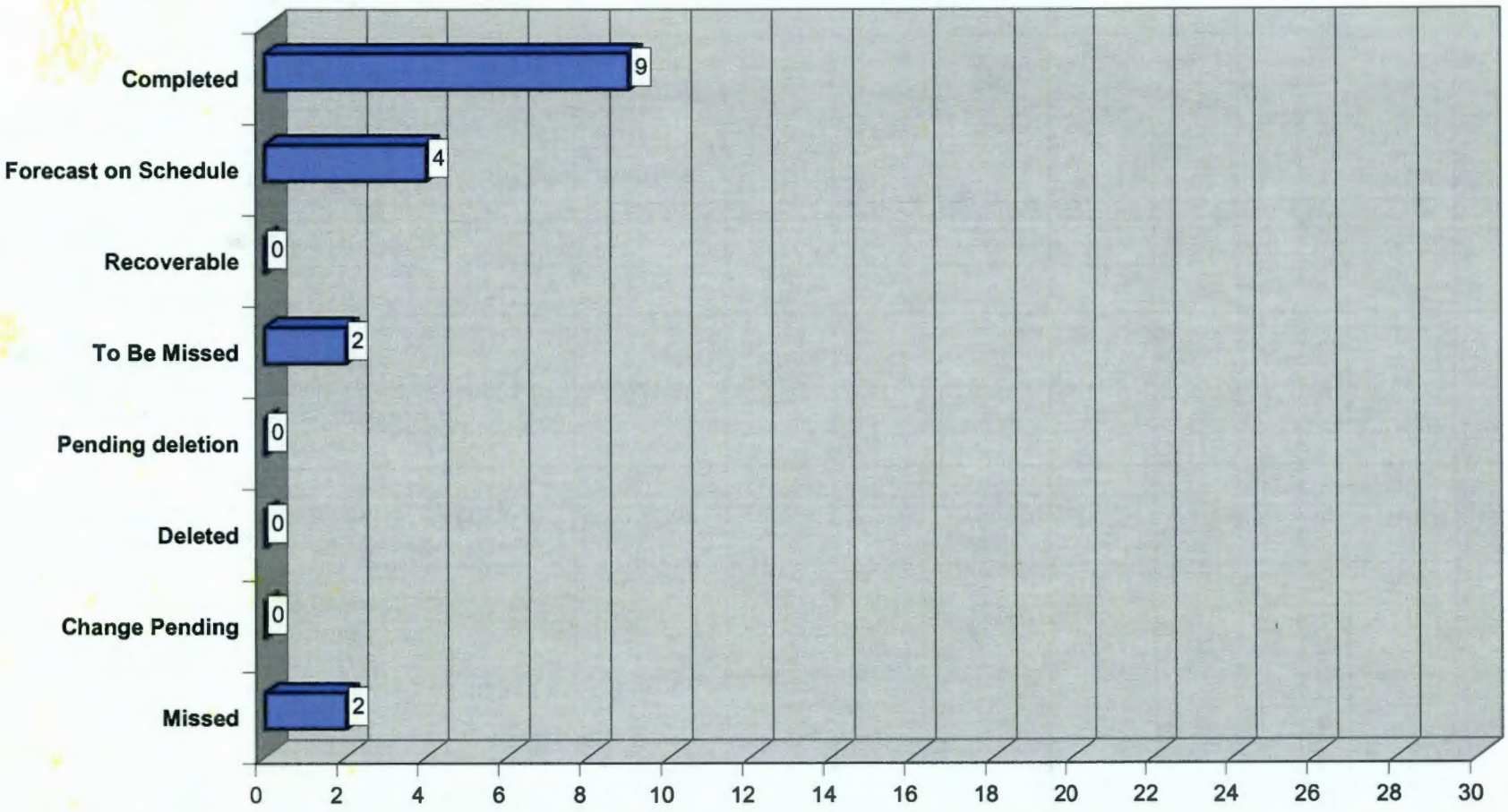
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R31	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	01/31/07	01/31/07								
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	07/31/07	07/31/07								

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						
	information, and the need for the establishment of additional agreement interim measures.										
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	09/27/07								
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	09/27/07								

*** 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 have 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		Recoverable	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		X							
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		X							
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		X							
M-062-01Q	Submit Semi-Annual Project Compliance Report	07/31/08		X							

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-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				

EXECUTIVE SUMMARY ON TANK FARMS EARNED VALUE REPORTING

This Executive Summary reports the cost and schedule performance for the Tank Farms Contractor (TFC) CH2M HILL Hanford Group Inc. for the month of May 2008.

The company's current month (CM) schedule variance (SV) was a favorable SV of $2.4M with an SPI of 1.09 and a favorable CV of $1.5M with a CPI of 1.06. The CTD schedule variance (SV) is a favorable $57.6M with a schedule performance index (SPI) of 1.08 and a cost variance (CV) of $45.9M with a cost performance index (CPI) of 1.06.

In May 2008, the CM SV was a positive $2.4M. The CTD favorable SV increased from $56.5M to $57.6M due to performance earned and May CM point adjustments for BCR implementation.

The CM favorable SV of $2.4M is due to 1) Implementation of BCR RPP-08-005 Revision 1, "Realign FY 2007 through FY 2009 Hose in Hose Transfer Line (HIHTL)," resulting in CM point adjustments necessary to eliminate SVs on prior year incomplete activities for 244 CR Vault and HIHTL Disposition Project work that were re-planned and/or deferred; 2) Implementation of BCR RPP-08-001, "Resolution of Double-Shell Tank Valve Positioning Issue," in April 2008, which provided budget and allowed for progress to be taken in May 2008 on previously completed work for the DST Infrastructure Upgrades Valve Positioning/Assembly Upgrade; 3) Accelerated work performed for Tank C-104 and C-110 Retrieval (design, procurement and construction), C Farm Infrastructure (design and construction to support Tank C-104/AN-101 Retrieval), DST to DST Transfers (performed to support future Evaporator campaigns and AZ-102 blending), and Closure Technology Development Robotic Arm Demonstration (BCR RPP-08-010 implemented in May 2008, which allowed for progress to be taken on accelerated work already completed); and 4) Work performed ahead of schedule for IPS Technology Development.

The favorable CM SV is partially offset by unfavorable variances related to 1) Budget in the current month for work performed early (242-A Evaporator Upgrades for the HVAC and MCS as well as C-109 Retrieval); 2) Delays in Tank S-102 Retrieval (operations and maintenance shut-down pending spill recovery and cleanup actions); and 3) Miscellaneous other minor variances (222-S Laboratory CENRTC, Environmental Health Program and SST Integrity Project).

The CTD positive SV of $57.6M is due to 1) C-100 Tanks accelerated work on C-104 and C-110 retrievals, C Farm Infrastructure and work completed ahead of schedule for C-108 and C-109

retrievals; 2) Accelerated work for DBVS Technology Development and Design to address External Review Panel (ERP) issues including the Integrated Dryer and Melt Test (IDMT); 3) Tank S-102 Retrieval accelerated work; 4) W-314 Project accelerated work for completion and turnover of AN, AP, AW, SY Farms electrical and ventilation exhauster upgrades, and the Master Pump Shutdown(MPS)/MCS; 5) Accelerated work for cross-site transfers, the SY Farm prefabricated pump pit (PPP) line replacement, and DST to DST Transfers as well as work completed ahead of schedule for the 242-A Evaporator Upgrades (MCS and supply side HVAC), all in support of SST retrievals; 6) Accelerated work for AY/AZ Farm Upgrades (AZ-102 pump replacement and installation); and 7) Accelerated work on Environmental Health Program Tank Farm Characterization for vapor mitigation.

These favorable CTD SVs are partially offset by unfavorable variances for 1) delays in the Liquid Mitigation of Catch Tanks/Double Contained Receiver Tanks (DCRT) (S-302 pumping delayed due to required alternate pump replacement; pump is delivered, installation design is being approved and preparations are underway for phase 2 testing at the Cold Test Facility (CTF); S-302 pumping is expected to resume in August 2008) and HIHTL Disposition Project (engineering design and work packages are delayed due to availability of engineering and craft support for investigative field work; resources are expected to be available in late June 2008); 2) Waste Compatibility Program (delay in buoyant displacement gas release event [BDGRE]; work not needed due to delay in Tank C-110 Retrieval); 3) AP Upgrades Project (behind schedule on the AP-101 jumper installation and AP-103 in-process leak check/level rise [potential deferral]), DST Infrastructure Upgrades (delays in the Repair of Line SLL-3160, specifically initiating work on SL-3160 encasement leak check [low priority, potential deferral]).

The CM CV of $1.5M is driven by 1) Implementation of BCR RPP-08-005 Revision 1, "Realign FY 2007 through FY 2009 Hose in Hose Transfer Line (HIHTL)," resulting in CM point adjustments to CVs on prior year incomplete activities for 244 CR Vault and HIHTL Disposition Project work that were re-planned and/or deferred; 2) Essential Services costs less than planned (Fluor Hanford [FH] costs for Site-Wide and Shared Services as well as Miscellaneous Services) and cost efficiencies in Information Resource Management (IRM) and Legal Counsel; 3) Cost efficiencies on IPS Technology Development and IPS Project Support, DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers), and Vadose Zone RCRA Corrective Actions (BX Borehole integration effort with FH); 4) Significant progress earned for the month on Closure Technology Development Robotic Arm Demonstration (BCR RPP-08-010 implemented in May 2008, which allowed for progress to be taken on accelerated work already

completed); and DST Infrastructure Upgrades (BCR RPP-08-001, "Resolution of Double-Shell Tank Valve Positioning Issue," implementation in April 2008, which provided budget and allowed for significant progress to be taken in May 2008 on previously completed work for the Valve Positioning/Assembly Upgrade); 5) Miscellaneous cost efficiencies and savings in Waste Management Program/Administration (lag in the treatment of LLW volume and mixed waste that has been shipped to the treatment contractor), SST Operations Essential Services (less labor than planned but partially offset by SST and DST Technical Safety Requirement [TSR]/Basic Maintenance labor assigned to the SST preventative maintenance [PM]/corrective maintenance [CM] backlog reduction), Infrastructure (lower than projected costs for support from FH and Lockheed-Martin Services, Inc. [LMSI]), Tank Waste Sampling (less than planned labor and crane and rigging to support planned sampling events), WFO Safe Storage Surveillance/Monitoring, Infrastructure Services Phase 1 (BPA electrical costs for WTP less than planned), and 6) Miscellaneous other efficiencies in DST Integrity Project (AP-108 UT Support and NDE Equipment Storage and Support), Strategic Planning (labor efficiencies), Tank Waste Database Management (staff reductions due to higher priority work), Closure Project Office of the Vice President (reduced labor due to reorganization) and Waste Feed Operations (WFO) Project Controls (improved systems and organizational realignment and co-location resulting in improved performance).

The current month favorable CVs are partially offset by 1) C Farm Retrievals related to C-104 Construction (unplanned additional costs to train a second construction crew, delays and costs associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and engineering requirements], C-104 Design and Engineering (unplanned costs for design review changes due to additional requirements); the cost of C-109 Retrieval Hard Heel Removal (overtime associated with installation of the MRT and construction impacts of the Corrective Action Implementation, procurement costs and unplanned costs of the Readiness Assessment [RA]; CTD C-109 retrieval has a favorable CV); and the cost of Tank C-110 Retrieval (initial efficiencies and cost associated with mobilization of the installation contractor); 2) Unplanned costs for the Tank S-102 leak event cleanup; 3) 242-A Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation, resolution of relay failure issue and rework of heater and control cabinet design and installations); 4) TSR/Basic Maintenance (higher than planned costs to complete basic PM and CM activities offset by under-run in SST Essential Services); 5) E-525 Project (CM cost for finalization of fee negotiations on two prior year construction subcontracts); 6) AY/AZ Upgrades Project (costs lagged performance for the AZ-102 supernatant pump installation); and 7) Project W-314 AW

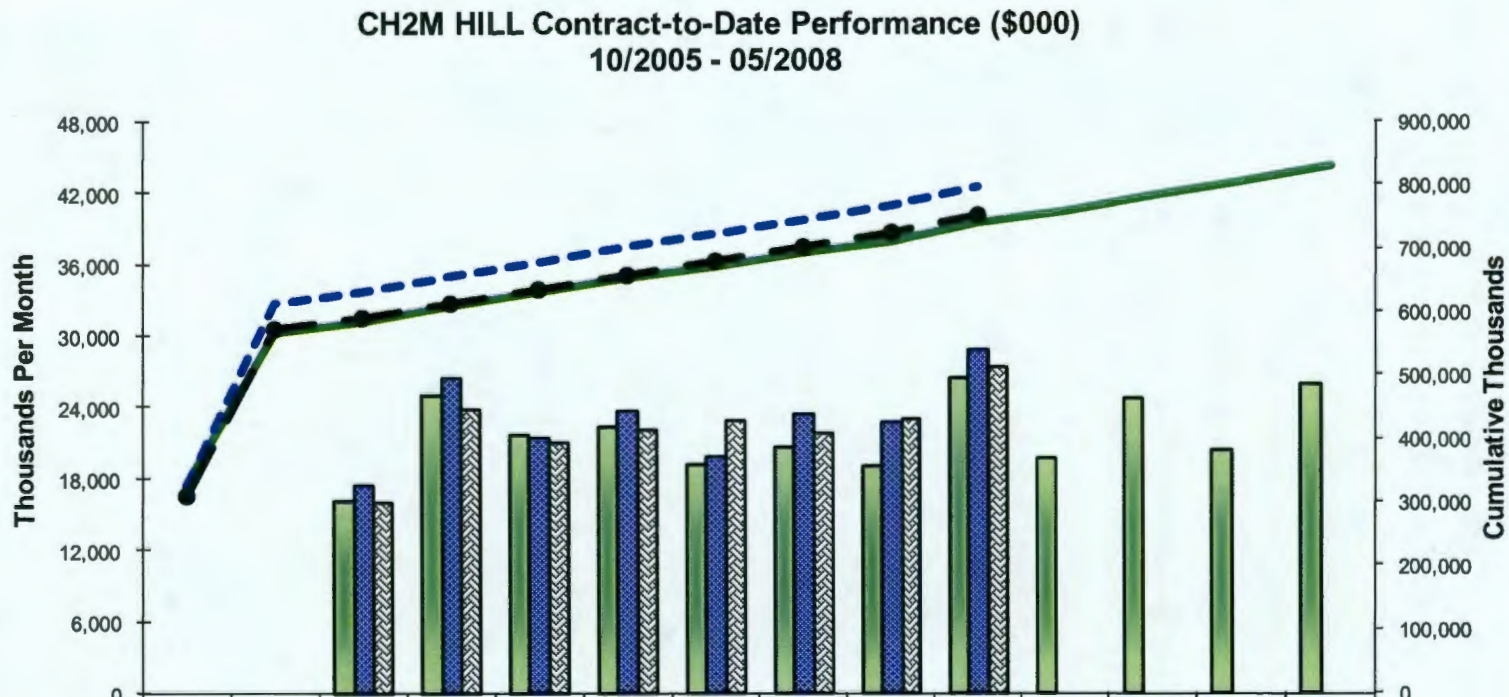
Upgrades (emergent construction and testing activities, overtime, HAZOP evaluations and engineering to update project and facility documents for the AW exhausters) and Phase 2 Startup, Testing and Turnover (trouble-shooting and resolution of issues, rework and software upgrades and downloads).

The CTD CV of $45.9M is due to variances for 1) Efficiencies in preparation and retrieval work for C-100 Tank Retrievals (Tanks C-109, C-108 and C-110); 2) Efficiencies in S Farm Retrievals (Tank S-102 and S-112); 3) Cost savings and efficiencies in Tank Farm project and program management, support and Essential Services (IRM, Executive Management, Legal Counsel, Work Force Realignment and Restructure, Manage Facilities and Property Services, Liquidations, Shared Services, Miscellaneous Services and Site-Wide Services); 4) Savings and efficiencies in Surveillance and Monitoring, Isolation of Transfer System Components, Project Controls, DST to DST Transfers, Essential Services, AY/AZ Upgrades (use of spare pump for AZ-102 replacement instead of new procurement), Cross-Site Transfers, Tank Waste Database Management and miscellaneous other accounts; 5) Efficiencies in the Essential Services, Infrastructure, Facility Upgrades Project Management and Liquid Level and Video Assessment; 6) 222-S Laboratory Services under-runs in Base Services due to less than planned dedicated and matrixed staff for Maintenance, Production Control and Technology Development, planned labor rates greater than actual costs, and revised waste volume projections for 222-S base services less than originally planned; and under-runs in Tank Sampling due to greater than planned resources directed to support FH core sampling of U-361 and less than planned sampling/analysis (core and grab) for chemistry control due to ongoing support to Retrieval and Base Operations; and 7) Labor efficiencies and cost savings in other support functions including Safety, Health and Quality Assurance (SH&QA) (Industrial Health and Safety, Assessments, Quality Assurance [QA], Radiation Protection and Price-Anderson Amendment Act of 1988 [PAAA]), SP&PC (Baseline Integration, Infrastructure Services, and Strategic Planning), Safe Work Environment (SWE)/Personnel Readiness (Standards and Compliance), and Engineering.

These favorable CTD CVs are partially offset by unfavorable variances for 1) TSR/Basic Maintenance (to reduce and maintain the PM and CM backlog and support acceleration of retrievals); 2) Unplanned costs for the S-102 spill event cleanup, investigation and corrective action plan; 3) T Farm Interim Barrier costs higher than baseline estimates (design, procurement, construction scope and weather issues); 4) DBVS design labor and subcontract costs incurred in FY 2006, retroactive subcontractor rate adjustments resulting from a Defense Contract Audit Agency (DCAA) audit, cost overruns on DBVS Engineering During Construction (additional costs for final design and review costs to modify the facility design to incorporate lessons learned from the FY 2007 IDMT and design changes

identified in the PRHOA sessions), and cost overruns on DBVS Procurement (for unplanned storage and maintenance of equipment awaiting restart of construction); 5) C-100 and C-200 Tanks due to prior year overruns on C-103 and C-201 to C-204 retrievals due to technical difficulties; 6) Office of the Vice President (VP) Project Delivery due to additional resources necessary to manage unplanned work for the DBVS ERP issues resolution, Molten Ionic Salt issue resolution, the IDMT and a cost correction for exhauster fabrication; 7) DST Integrity Project (Tank AY-101 UT, DST System Structural Analysis and AP Valve Pit/Evaporator Integrity Assessment costs); 8) Project W-314 Upgrades and turnover (trouble-shooting, as-builting and emergent work); and 9) Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation and resolution of relay failure issue).

CURRENT MONTH/CONTRACT-TO-DATE PERFORMANCE – GRAPH



	FY 2006	FY 2007	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	0	0	16,097	24,963	21,712	22,394	19,180	20,575	19,074	26,455	19,705	24,739	20,416	25,873
Mthly Perf (BCWP)	0	0	17,469	26,403	21,403	23,626	19,814	23,387	22,776	28,875				
Mthly Actuals (ACWP)	0	0	16,004	23,850	20,980	22,071	22,920	21,827	23,023	27,331				
CTD Plan (BCWS)	328,060	567,380	583,477	608,440	630,152	652,546	671,726	692,301	711,375	739,478	759,183	783,922	804,339	830,212
CTD Perf (BCWP)	326,127	612,999	630,468	656,871	678,274	701,900	721,713	745,100	767,877	797,097				
CTD Actuals (ACWP)	310,197	573,240	589,243	613,093	634,074	656,145	679,065	700,892	723,915	751,246				

CURRENT MONTH PERFORMANCE CHART

CH2M HILL Hanford Group, Inc.
CURRENT MONTH PERFORMANCE MEASUREMENT - 05/2008
BY WORK BREAKDOWN STRUCTURE
Dollars in Thousands

		Current Month						
		Budgeted Cost			Variance			
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %
5.7	**BASE OPERATIONS - Excluding 5.07.02**	13,902.6	13,536.3	12,536.5	-366.3	-2.6%	999.9	7.4%
5.07.02	Env/TPA Milestone Achievement	1,495.6	1,647.9	1,132.8	152.3	10.2%	515.1	31.3%
	TOTAL BASE OPERATIONS	15,398.2	15,184.3	13,669.2	-214.0	-1.4%	1,515.0	10.0%
5.8	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	6.0	0.2	6.0	6.0%	5.8	97.4%
5.08.02	WTP Feed Delivery Program	732.0	732.3	466.2	0.3	0.0%	266.1	36.3%
5.08.03	DST Retrieval Program	0.0	0.0	20.7	0.0	0.0%	-20.7	-20.7%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	106.2	382.2	106.2	106.2%	-275.9	-259.7%
5.08.04.02	Upgrade Transfer System (E-525)	0.0	0.0	199.3	0.0	0.0%	-199.3	-199.3%
5.08.05	Retrieval / Closure Program	4,846.1	6,289.3	4,126.9	1,443.3	29.8%	2,162.4	34.4%
5.08.06/.07	SST Retrieval East / West Area	975.9	1,996.5	5,055.2	1,020.6	104.6%	-3,058.7	-153.2%
5.08.12/.13	SST Closure	86.6	32.1	36.5	-54.4	-62.9%	-4.3	-13.5%
	TOTAL RETRIEVE AND CLOSE	6,640.6	9,162.5	10,287.0	2,521.9	38.0%	-1,124.6	-12.3%
5.9	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	1,591.7	1,763.2	735.2	171.5	10.8%	1,028.0	58.3%
5.09.02.02	TRU / LLW Packaging	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.02.03/.08	LAW Treatment	71.8	71.7	166.4	0.0	0.0%	-94.7	-132.0%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	0.0	22.2	-43.4	22.2	22.2%	65.6	295.4%
5.09.03.01	Integrated Disposal Facility	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.03.04	Initial IHLW Storage Facility (W-464)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
	TOTAL TREAT AND DISPOSE WASTE	1,663.4	1,857.1	858.3	193.7	11.6%	998.9	53.8%
5.10	**ANALYTICAL/TECHNICAL SERVICES**	2,753.0	2,671.5	2,516.4	-81.5	-3.0%	155.1	5.8%
TFC TOTAL		**26,455.2**	**28,875.4**	**27,331.0**	**2,420.2**	**9.1%**	**1,544.4**	**5.3%**

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 05/2008

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Cumulative Contract-To-Date									
		Budgeted Cost		Actual Cost	Variance				Budget at Completion		Estimate at Completion
WBS	TITLE	Work Scheduled	Work Performed	Work Performed	Schedule	SV %	Cost	CV %	(BAC)*	Accelerated Scope**	(EAC)***
5.07	**BASE OPERATIONS - Excluding 5.07.02**	364,752.1	368,221.6	336,445.3	3,469.5	1.0%	31,776.3	8.6%	414,462.0	3,399.2	379,467.0
5.07.02	Env/TPA Milestone Achievement	46,121.3	49,315.2	47,466.8	3,193.8	6.9%	1,848.4	3.7%	50,727.1	5,776.9	53,369.2
	TOTAL BASE OPERATIONS	410,873.4	417,536.7	383,912.0	6,663.3	1.6%	33,624.7	8.1%	465,189.1	9,176.1	432,836.2
5.8	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	298.2	217.0	298.2	298.2%	81.2	27.2%	0.0	298.1	221.1
5.08.02	WTP Feed Delivery Program	19,413.9	19,414.1	16,950.4	0.2	0.0%	2,463.7	12.7%	22,019.8	0.0	18,653.6
5.08.03	DST Retrieval Program	1,676.3	1,984.2	2,248.3	307.9	18.4%	-243.4	-12.3%	1,676.3	1,338.9	2,573.5
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	8,076.0	9,857.3	5,210.2	181.8%	-1,781.3	-22.1%	2,865.8	6,118.3	10,498.8
5.08.04.02	Upgrade Transfer System (E-525)	2,712.4	2,712.4	3,181.0	0.0	0.0%	-468.7	-17.3%	2,712.4	0.0	3,181.1
5.08.05	Retrieval / Closure Program	132,498.7	131,658.5	124,727.5	-840.2	-0.6%	6,931.0	5.3%	149,119.0	0.0	140,045.9
5.08.06/.07	SST Retrieval East / West Area	50,335.4	82,653.3	85,045.3	32,317.9	64.2%	-2,392.0	-2.9%	52,897.3	54,202.0	94,719.2
5.08.12/.13	SST Closure	1,063.6	987.4	995.0	-76.2	-7.2%	-7.6	-0.8%	1,453.3	0.0	1,129.3
	TOTAL RETRIEVE AND CLOSE	210,565.9	247,784.0	243,221.8	37,218.1	17.7%	4,582.9	1.8%	232,743.7	61,957.3	271,022.5
5.9	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	13,771.5	13,830.9	10,485.7	59.4	0.4%	3,345.2	24.2%	18,002.7	0.0	14,246.7
5.09.02.02	TRU / LLW Packaging	0.0	0.0	65.6	0.0	0.0%	-65.6	-65.6%	0.0	0.0	65.6
5.09.02.03/.08	LAW Treatment	1,894.8	1,894.8	1,927.1	0.0	0.0%	-32.3	-1.7%	2,150.2	0.0	2,071.0
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	28,231.4	42,073.1	45,579.8	13,841.7	49.0%	-3,506.7	-8.3%	28,231.4	13,841.7	45,725.3
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,352.0	0.0	0.0%	1,781.0	25.0%	7,132.9	0.0	5,352.0
5.09.03.04	Initial IHLW Storage Facility (W-464)	109.4	109.4	35.1	0.0	0.0%	74.3	67.9%	109.4	0.0	35.1
	TOTAL TREAT AND DISPOSE WASTE	51,139.9	65,041.1	63,445.1	13,901.2	27.2%	1,595.9	2.5%	55,626.6	13,841.7	67,495.7
5.10	**ANALYTICAL/TECHNICAL SERVICES**	66,899.2	66,735.3	60,667.3	-163.9	-0.2%	6,068.0	9.1%	76,652.5	0.0	69,873.3
TFC TOTAL		739,478.5	797,097.1	751,246.2	57,618.6	7.8%	45,871.6	5.8%	830,211.9	84,975.2	841,227.7
					BAC					830,211.9	
					Adjusted Total with Accelerated Scope					915,187.1	

* BAC on this chart and in succeeding Cumulative Performance tables is for the period FY 2006 - FY 2008.

** The following accelerated work is included in the EAC and in the adjusted total: Tanks 241-C-104, 241-C-110, 241-S-102 Retrievals; W-314 and WFO Upgrades work; Cross-Site Transfer; and DBVS Technology Development.

*** EAC on this chart is for the contract period (through FY 2008).

EARNED VALUE PERFORMANCE

5.07 - BASE OPERATIONS (EXCLUDES 5.07.02)

Scope Description: The baseline scope for this Work Breakdown Structure (WBS) includes monitoring and maintaining the DSTs and equipment in compliance with TSRs, and Environmental, Safety, Health and Quality programmatic requirements. This scope also includes necessary support activities such as project management, engineering, business services, and support to training and procedures. Base Operations also provides site, shared, and miscellaneous services including Service Assessment Pool and Advanced Medical Services. In addition, the contract fee for FY 2006 is included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	13,902.6	13,536.3	12,536.5	-366.3 -2.6%	999.9 7.4%	
CTD	364,752.1	368,221.6	336,445.3	3,469.5 1.0%	31,776.3 8.6%	414,462

Note (All tables): Dollars in thousands.

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/- 10 percent or $1.0M.

The CTD SV is due to 1) Accelerated work completed on AY/AZ Upgrades (AZ-102 supernatant pump replacement required to support AZ-102 blending transfers) and Environmental Health Program characterization for vapors solutions (T and U Farms); and 2) Work completed early (ahead of schedule) on Evaporator Upgrades (MCS and supply side HVAC upgrades) and Tank Chemistry Control (AN-102 Corrosion Probe system).

These favorable variances are partially offset by unfavorable variances for 1) WFO Waste Compatibility Program (deferral of BDGRE work not needed due to delay in Tank C-110 Retrieval); 2) AP Farm Upgrades (AP-101 jumper installation [behind schedule] and AP-103 in-process leak check/level rise [potential deferral to FY 2009]); and 3) DST Infrastructure Upgrades due to delays in the Repair of Line SLL-3160, specifically initiating work on SL-3160 encasement leak check (low priority; FY 2007 activity will be deferred to FY 2009).

Impact: Re-prioritization of work has been addressed and re-planning of work addressed via change action or pending changes.

Corrective Action: The SV will continue for accelerated work and, in the short term, for work performed early. Completion of the Tank C-110 BDGRE work is expected to be deferred to FY 2009. The Repair of Line SLL-3160 will be deferred to FY 2009 as it is low priority work. BCR RPP-08-001 was implemented in April to address the change in scope for the DST valve replacement. The AN-01A Valve Funnel Assembly Replacement work was completed in May 2008 prior to the AN-101 to AN-106 decant transfer in support of C Farm Retrieval operations. The AP Farm Upgrade AP-101 jumper installation will be completed to support the AP-101 to AW-102 transfers, which are pre-requisites for the second FY 2008 Evaporator campaign. The AP-103 in-process leak check is being evaluated for potential deferral to the out years.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/- 10 percent or $1.0M.

Significant contributors to the CTD favorable CV include efficiencies and cost savings in 1) Essential Services (FH allocation for General Site-Wide Services and Shared Services and Miscellaneous Services [AdvancedMed Hanford Services, Technical Library, DOE, Richland Operations Office service assessment pool Allocation, and miscellaneous services] and liquidation of Continuity of Service [COS] rates on labor [more employees worked for others than anticipated in the baseline]); 2) Ongoing efficiencies in Base Operations (WFO Safe Storage Surveillance and Monitoring, Tank Waste Sampling, WFO Essential Services, Industrial Health and Safety/Health and Safety Plan [HASP], Engineering Program, Assessments, QA Program, Nuclear Operations Program Management, WFO Facilities Operations Management, Price-Anderson Amendment Act of 1988 [PAAA] Program, WFO Bargaining Unit Training, WFO Waste Compatibility Program and Radiation Protection Program); 3) Ongoing efficiencies in Project Support (Standards and Compliance, IRM, TFC Executive Management, Legal Counsel, RPP Baseline Integration Support and Manage Facilities and Property Services); and 4) Other Mission Support efficiencies on AY/AZ Upgrades (use of spare pump for AZ-102 replacement instead of new procurement) and Work Force Realignment and Restructure (fewer employees impacted than anticipated by 2006 Involuntary Reduction of Force).

The favorable CTD variances are partially offset by 1) unfavorable Base Operations variances related to WFO TSR/Basic Maintenance (efforts to reduce and maintain the PM/CM backlog and support to Tank Retrieval acceleration including DST to DST Transfers and Cross-Site Transfer, electrical outages and cathodic protection); WFO Parts/Materials/Tools (fabrication costs for jumpers and parts, purchase of cameras, parts and materials for PMs/CMs, and materials to support additional DST to DST and Cross-Site Transfers); WFO Infrastructure (unplanned expenditures for 274 AW parking lot and unanticipated PHMC support charges), WFO Radiological Control Surveys (FY 2006 costs for additional surveillances/routines on overtime and additional laboratory costs incurred); and Environmental Health Program costs (vapors sampling support and Advanced Technologies and Laboratories International, Inc. [ATL] Readiness to Serve adder); 2) Unfavorable Project Support variances related to Procurement and Contracts costs (work performed on the Marshalling Yard and Connector Road Improvements), Labor Relations (subcontractor support to Hanford Atomic Metal Trades Council Contract negotiations and ratification), SWE (subcontracts); and 3) Unfavorable variances related to Other Mission Support Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation and resolution of relay failure issue and rework of heater and control cabinet design and installations).

Impact: None.

Corrective Action: The favorable CVs are expected to continue for the ongoing level of effort Base Operations, Support and Essential Services accounts. The unfavorable CVs for completed work are not recoverable. Work has been reprioritized to meet mission objectives for the remainder of the Contract period. BCR RPP-08-001, "Resolution of Double-Shell Tank Valve Positioning Issue," was implemented in April for re-planning of the work. BCRs are being prepared for as-found field conditions (242-A Evaporator Upgrades) and deferrals (to support the 2440/3109 Building moves and renovations, etc.).

5.07.02 - ENVIRONMENTAL/TRI-PARTY AGREEMENT MILESTONE ACHIEVEMENT

Scope Description: The baseline provides for the safe and compliant storage of the Hanford Site tank wastes until waste is retrieved for processing (currently 53 million gallons of waste in 177 SSTs and DSTs and approximately 60 miscellaneous underground storage tanks). This includes monitoring and maintaining activities associated with the Hanford Federal Facility Agreement and Consent Order, commonly referred to as the TPA. Scope includes compliance efforts to meet TPA Milestones M-23, M-46, and M-48, including characterization, DST Space Management and DST Integrity. Scope includes transfer operations, and the operations and maintenance of the 242-A Evaporator to reduce the volume of waste stored in DSTs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,495.6	1,647.9	1,132.8	152.3 10.2%	515.1 31.3%	
CTD	46,121.3	49,315.2	47,466.8	3,193.8 6.9%	1,848.4 3.7%	50,727.1

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to accelerated DST to DST Transfers (performed to support future Evaporator campaigns and AZ-102 blending), which are partially offset by minor unfavorable SVs on the SST Integrity Project (slow startup) and DST Integrity Project (DST System Structural Analysis and AN-102 UT support).

The CTD favorable SV is due Accelerated work (planned outside the contract period in the baseline) completed for Cross-Site Transfers, the SY Pre-fabricated Pump Pit (PPP) Line Replacement and DST to DST Transfers (supports tank retrievals, Evaporator and tank level increases).

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to 1) Efficiencies on DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers); and 2) DST Integrity Project (cost efficiencies on the AP-108 UT support and NDE Equipment Storage and Support).

CM favorable variances are partially offset by a minor unfavorable variance for 242-A Evaporator Operations and Maintenance (overtime support to the projects during electrical outage for the MCS Upgrade OAT and HVAC Upgrade, and higher than expected crane and rigging costs).

The CTD favorable CV is due to 1) Efficiencies on DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers); 2) Efficiencies on Cross-Site Transfers (labor); 3) Level of Effort (LOE) efficiencies on Environmental Support and Assessment Program; 4) Efficiencies on DST Facility Upgrades Project Management; and 5) Cost reductions on DST Space Evaluation (shift to higher priority work and reduction of staff).

The CTD favorable CVs are partially offset by unfavorable variances for 1) DST Integrity Project (increased cost for completed work on the AP Valve Pit Integrity Assessment, DST Infrastructure Integrity Assessment, 242-A Evaporator Integrity Assessment and Ultrasonic Examination, AY-101 UT Support, and miscellaneous associated IQRPE support to integrity assessment); 2) 242-A Evaporator Operations and Maintenance (increased overtime and regular labor to support additional [3x] PMs for the MCS Upgrade OAT, materials and contract support for the PB-1 pump refurbishment, Crane and rigging costs higher than expected and distributions for pensions and retroactive pay); 3) Catch Tank Pumping (isolation of Silver List Catch Tanks UX-302-A and ER-311); and 4) Increase Specific Gravity (FY 2006 overruns).

Impact: None.

Corrective Action: Cost overruns for completed work are not recoverable. Efficiencies are expected to continue on DST to DST Transfers. BCR RPP-08-024 was implemented in April for the new SST Integrity Project.

5.08 - RETRIEVE AND CLOSE (EXCLUDES 5.08.02/.03; 5.08.04.01/.02; 5.08.05/.06/.07/.12/.13)

Scope Description: In the future, specific life cycle scope in this WBS includes DST Retrieval and Closure, Closure of Long Term Facilities, and Post Closure Monitoring. These activities are all outside of the contract period reporting window. The scope also includes preparation of a 200-IS-1 Operable Unit Work Plan and Sampling and Analysis Plan as directed by the ORP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	6.0	0.2	6.0 6.0%	5.8 97.4%	
CTD	0.0	298.2	217.0	298.2 298.2%	81.2 27.2%	0.0

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD favorable SV is due to ORP directed acceleration of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 IS-1 work plans in support of the RL TPA M-15 Milestones.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is negligible.

The CTD favorable CV is due to cost savings in closure of old cross site transfer lines.

Impact: None.

Corrective Action: None required.

5.08.02 - WASTE TREATMENT PLANT FEED DELIVERY PROGRAM

Scope Description: The Waste Feed Delivery (WFD) program provides the minimum required technical analysis, waste characterization, and project definition activities necessary to provide waste to the WTP. The WFD program work activities include a variety of cross-cutting programmatic activities supporting WFD to the waste treatment facilities, including characterization, WFD engineering and modeling support including management and maintenance of the retrieval and transfer technical baseline, WFD program/project management support, and DST retrieval/transfer management. This work element will provide feed delivery evaluations using the HTWOS model.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	732.0	732.3	466.2	0.3 0.0%	266.1 36.3%	
CTD	19,413.9	19,414.1	16,950.4	0.2 0.0%	2,463.7 12.7%	22,019.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD variances are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM and CTD favorable CVs are due to ongoing cost efficiencies in 1) level of effort labor for WFO Project Controls (improved systems, organizational realignment and co-location to improve performance); 2) Tank Waste Database Support (staff reductions); and 3) Startup and Testing (use of direct staff instead of subcontracted labor and reduced material usage).

Favorable CTD CV partially offset by unfavorable CV for Office of VP Project Delivery (additional unplanned DBVS staff assigned to manage external review issue resolution and exhauster fabrication cost correction to support vapors).

Impact: None.

Corrective Action: None required.

5.08.03 - DST RETRIEVAL PROGRAM

Scope Description: The baseline for this WBS element includes activities required to plan, provide, and operate systems for retrieving waste from the DSTs, preparing it for feed to the WTP, and then transferring it to the WTP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	20.7	0.0 0.0%	-20.7 -20.7%	
CTD	1,676.3	1,984.2	2,248.3	307.9 18.4%	-243.4 -12.3%	1,676.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD favorable SV is due to acceleration of the Tank 241-AN-101 Retrieval Systems work (design, construction and startup) in support of Tank 241-C-104 Retrieval.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to costs for closeout AN-101 Retrieval System Startup and Readiness (no progress taken).

The CTD unfavorable CV is due to previous cost overruns on the AN-101 mixer pump procurement, which is partially offset by cost efficiencies on accelerated work for the AN-101 Retrieval System and level of effort Project Support to Construction of DST Retrieval Systems.

Impact: None.

Corrective Action: None required.

5.08.04.01 - PROJECT W-314 (TANK FARM RESTORATION AND SAFE OPERATIONS)

Scope Description: The baseline for Project W-314 provides essential tank farm infrastructure upgrades to support WFD to the WTP and to correct environmental compliance deficiencies with the tank farm support systems. Work scope includes completion of the Waste Transfer System, AN, AP, AW, and SY Farm electrical Upgrades, AN and AW HVAC Exhausters and the MPS System and MCS. Project Management, Project Support and Startup, Testing, Readiness and Turnover to Operations are also included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	106.2	382.2	106.2 106.2%	-275.9 -259.7	
CTD	2,865.8	8,076.0	9,857.3	5,210.2 181.8%	-1,781.3 -22.1%	2,865.8

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to acceleration of the Project W-314 AN Farm Upgrades (HVAC exhausters) and Phase 2 Startup, Testing and Turnover.

The CTD favorable SV is due to the acceleration of Project W-314 work including all Farm electrical upgrades, the MPS/MCS, AN and AW HVAC Exhausters and Phases 1 and 2 Startup, Testing, Readiness, and Turnover.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) cost overruns on the AW Farm Upgrades (emergent construction activities originating from walk downs, testing of the AW exhausters and HAZOP evaluations, overtime to maintain schedule and engineering to update project and facility documents); and 2) Startup, Testing and Turnover Phase 2 (trouble-shooting continuous air monitors (CAM) and resolving communication issues found during testing of the AN Farm exhausters, rework of failed pressure transmitters and communication modules, and download of software upgrades for the AW exhausters).

The CTD unfavorable CV is due to 1) increased cost of the Phase 1 Startup, Testing and Turnover (MPS/MCS due to increased labor required for Engineering support to bring the system on-line, debugging of programming and test bed setup); 2) unfavorable variances on the AP Upgrades (construction and Engineering effort for troubleshooting and Engineering to update and as-built project and facility documents and pit upgrades performed in FY 2006); 3) costs to complete the AW Upgrades (FY 2007 costs for emergent construction activities on the encasement leak detectors and emergent construction activities originating from walk downs, testing of the AW exhausters and HAZOP evaluations, overtime to maintain schedule and engineering to update project and facility documents); 4) costs to complete the AN Upgrades (emergent ECN construction activities resulting from walk downs, testing and the HAZOP evaluations); and SY Upgrades (pit upgrades performed in FY 2006 and increased scope to complete the Upgrades [differing field conditions, troubleshooting and CAT]).

Unfavorable CV is partially offset by minor efficiencies in Project Support.

Impact: None.

Corrective Action: Work has been reprioritized to support the mission objectives for the remainder of the Contract period. Completion of the Phase 1 MPS/MCS Startup, Testing and Turnover will be deferred to the out years.

5.08.04.02 - PROJECT E-525 (UPGRADE TRANSFER SYSTEMS)

Scope Description: The baseline for Project E-525 provides activities required to define, design, procure, construct, test, turnover, and manage modifications to a portion of the DST Transfer System. The scope of Project E-525 is further defined within the following five design/construction packages: 1) AZ-151 Catch Tank Replacement; 2) Clean-Out Box (COB) Modifications; 3) SY-Farm Transfer Lines; 4) 204-AR Load-Out Facility Transfer Line; and 5) Plutonium Finishing Plant Transfer Lines. These modifications brought a portion of the DST transfer system into compliance with Washington Administrative Code 173-303-640, in support of TPA Milestone M-43-00.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	199.3	0.0 0.0%	-199.3 -199.3%	
CTD	2,712.4	2,712.4	3,181.0	0.0 0.0%	-468.7 -17.3%	2,712.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

No work has been performed on Project E-525 in the FY 2007 and FY 2008 period.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to costs booked for final fee negotiations to close two prior year FFS construction subcontracts.

The CTD unfavorable CV is due to cost overruns on construction of Clean-Out Boxes (COB) and the SY-Farm Transfer Line Backfill (work performed on supplied air that was not budgeted for at the time). Unfavorable CV for construction is partially offset by cost efficiencies on the AZ-151 Catch Tank Bypass Construction and in level of effort Project Support.

Impact: None.

Corrective Action: None required.

5.08.05 - RETRIEVAL / CLOSURE PROGRAM

Scope Description: The baseline provides for Retrieval and Closure support activities in this WBS. Specifically, the scope includes program management, regulatory documentation, SST cross-site transfers, technology development, CTF management and maintenance, Vadose Zone support, inactive waste sites administration, Tank Farm Support Facilities/Transfer Systems. The scope also includes the Closure Project TSR/Basic Maintenance on SSTs, Closure Project Operations Essential Services, Closure Project Field Projects/Upgrades, and the solid waste management programs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	4,846.1	6,289.3	4,126.9	1,443.3 29.8%	2,162.4 34.4%	
CTD	132,498.7	131,658.5	124,727.5	-840.2 -0.6%	6,931.0 5.3%	149,119

SCHEDULE VARIANCE

Description and Cause: The CM favorable SV is due to 1) Implementation of BCR RPP-08-005 Revision 1, "Realign FY 2007 through FY 2009 Hose in Hose Transfer Line (HIHTL)," resulting in CM point adjustments necessary to eliminate SVs on prior year incomplete activities for 244 CR Vault and HIHTL Disposition Project work that were re-planned and/or deferred (BCWP set equal to BCWS for prior year activities that were re-planned resulting in positive SVs and CVs); and 2) progress for Closure Technology Development Robotic Arm Demonstration (BCR RPP-08-010 implemented in May 2008, which allowed for significant progress to be taken on accelerated work already completed).

The CTD SV is within the reporting threshold of +- 10 percent or $1M.

Impact: Re-planning work has been implemented via approved BCRs.

Corrective Actions: As previously discussed above, BCRs RPP-08-005 Revision 1 and RPP-08-010 implemented re-planning required for various work activities. The remaining 244-CR Vault work was deferred to FY 2009. The BCR aligns HIHTL work with the Life Extension Study and provides for completion of S Farm work in FY 2008 and deferral of U Farm work to FY 2009. The work for Liquid Mitigation of Catch Tanks is ongoing. An alternate pump was delivered in January 2008, installation design is being approved and preparations are underway for phase 2 testing at the CTF; S-302 pumping is expected to resume in August 2008. HIHTL work has been impacted

recently by engineering and availability of craft to support investigative field work (engineering design and work packages are impacted). Planning is underway to de-scope isolation work from the hose removal/disposal and craft are expected to be available to support field work in late June.

COST VARIANCE

Description and Cause: The CM CV is due to 1) Implementation of BCR RPP-08-005 Revision 1, "Realign FY 2007 through FY 2009 Hose in Hose Transfer Line (HIHTL)," resulting in CM point adjustments to CVs on prior year incomplete activities for 244 CR Vault and HIHTL Disposition Project work that were re-planned and/or deferred; 2) Significant progress earned for the month on Closure Technology Development Robotic Arm Demonstration (BCR RPP-08-010 implemented in May 2008, which allowed for significant progress to be taken on accelerated work already completed); 3) Cost efficiencies on Vadose Zone RCRA Corrective Actions (BX Borehole integration effort with Fluor Hanford); and 4) Miscellaneous cost efficiencies and savings in Waste Management Program/Administration (lag in the treatment of LLW volume and mixed waste that has been shipped to the treatment contractor), SST Operations Essential Services (less labor than planned but partially offset by SST and DST Technical Safety Requirement [TSR]/Basic Maintenance labor assigned to the SST preventative maintenance [PM]/corrective maintenance [CM] backlog reduction), Infrastructure (lower than projected costs for support from FH and Lockheed-Martin Services, Inc.), and Closure Project Office of the Vice President (reduced labor due to reorganization).

The CTD favorable CV is due to 1) Under-runs in SST Operations Essential Services (labor planned in Essential Services being utilized in SST TSR/Basic Maintenance account to complete preventive and corrective maintenance activities); 2) Cost savings on Isolate Transfer System Components work (FY 2006 labor and construction); 3) Cost efficiencies in Infrastructure support from FH and Lockheed Martin Services, Inc. (lower than projected support required); and 4) Miscellaneous other cost efficiencies and savings in Grand Junction Gamma Logging (LOE), Waste Management Program/Administration, Liquid Level and Video Assessment (under-runs on completed work), Tank Farms Risk Assessments (efficient use of in-house staff instead of subcontractors as planned), Retrieval Technology Development, and Cold Test Facility (CTF) Management and Maintenance (lower share of cost as other programs used the facility), HIHTL and 244-CR vault (re-planned work).

The favorable CTD CVs are partially offset by unfavorable variances for 1) Vadose Resource Conservation and Recovery Act of 1976 (RCRA) Corrective Actions T Farm Interim Surface Barrier work exceeding the baseline estimates (design, procurement, weather and construction scope issues including additional steps to complete the required work such as transportation of soil into the respective area, grading and compaction of soil prior to placing material, development of an infiltration area for water run-off, interior trench and anchor supports for the material and associated material costs); 2) SST TSR Basic Maintenance (higher than expected labor costs being incurred to complete basic PMs/CMs and maintain the backlog and support accelerated retrievals; overruns here are being offset by under-runs in SST Essential Services); and 3) Closure Operations Office of the VP (unplanned purchase of spare cameras, unplanned costs for vapor sampling for chemicals of concern, and unplanned costs for the carpenter shop conversion).

Impact: Overall, the Retrieval/Closure Program is maintaining a favorable CTD CV.

Corrective Action: Cost efficiencies and savings are expected to continue for support activities and SST Operations Essential Services. Measures were implemented to reduce the costs on the T Farm Interim Surface Barrier construction work (streamlined the management structure, implemented weather enclosure to apply polyurea in bad weather, and optimized staff) and demobilization is complete. BCRs have been implemented, as discussed above, for needed re-planning of work.

5.08.06/.07 - SST RETRIEVAL EAST / WEST AREA

Scope Description: The baseline for this element includes activities required for the retrieval of all 149 SSTs. The scope includes project management, design and engineering, retrieval procurement, retrieval system installation, and retrieval startup and readiness. Scope in this WBS also includes the operations of the SST retrieval systems, post retrieval sampling, and the retrieval data reports.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	975.9	1,996.5	5,055.2	1,020.6 104.6%	-3,058.7 -153.2%	
CTD	50,335.4	82,653.3	85,045.3	32,317.9 64.2%	-2,392.0 -2.9%	52,897.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to accelerated work performed on the Tank C-104 and C-110 Retrievals and C Farm Infrastructure design and construction.

This CM favorable SV is partially offset by 1) C-109 Retrieval budget in the current month for work performed early; and 2) Delays in Tank S-102 Retrieval (operations and maintenance shut-down pending spill recovery and cleanup actions).

The CTD favorable SV is due to 1) Accelerated work performed on retrieval of Tanks S-102, C-104, C-110 and C Farm Infrastructure; and 2) Work completed ahead of the contract period baseline schedule on retrieval of Tanks C-108 and C-109 (design, construction, startup and retrieval).

Impact: The favorable SVs will continue for accelerated work. The favorable SVs will zero-out by the end of FY 2008 for work ahead of schedule.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) Tank C-104 Retrieval design and construction (additional costs associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and Engineering requirements], lower weighted value in rules of performance for work performed this month [higher weighted scope such as equipment removal has been delayed due to technical issues], design and engineering support contracts for design review changes, and 2nd construction crew); 2) Tank C-109 Retrieval Hard Heel Removal construction,

procurement and readiness assessment (cost impacts and overtime associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and Engineering requirements], installation of the FOLDTRACK® MRT, the unplanned RA and billing of procurement costs); 3) Tank C-110 Retrieval design and installation (additional costs associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and Engineering requirements], design and engineering changes, and inefficiencies with new installation contractor mobilization and new crew); and 4) Unplanned costs for the Tank S-102 leak event cleanup.

The CTD unfavorable CV is driven by 1) Tank S-102 leak event investigation, corrective actions and cleanup; 2) Tank C-104 Retrieval (for the reasons specified in the CM CV); and 3) Tanks C-100 and C-200 Retrievals due to prior year overruns on C-103 and C-201 to C-204 retrievals due to technical difficulties.

The CTD unfavorable CV is partially offset by efficiencies in Retrieval of Tanks C-108, C-109, C-110, S-102, S-109 (partial retrieval) and S-112.

Impact: The large favorable CV generated through retrieval efficiencies and savings is being reduced by S-102 recovery costs and impacts on C Farm retrieval due to implementation of Compensatory Measures, Engineering requirements and process improvements (technical evaluations, Process Hazards Analyses and Level 2 RAs).

Corrective Action: Cost impacts have been factored into the fiscal year spend forecasts and work prioritized within available funds. Installation of the FOLDTRACK® MRT in Tank C-109 was completed on April 10, 2008 but problems were encountered soon after operations started. Retrieval operations on Tank C-109 resumed in June 2008. Accelerated work on Tank C-104 Retrieval and Tank C-108 Retrieval has been postponed to focus on Tanks C-109 and C-110 Retrievals. Continued acceleration of C-110 Hard Heel Removal will help minimize the unfavorable cost impacts from the S-102 spill event and associated recovery actions.

5.08.12/.13 - SST CLOSURE

Scope Description: The baseline provides the scope for tank farm closure which includes those activities required for interim closure of each tank in the farm, followed by closure of the entire farm once all tanks within the farm are interim closed. Scope for interim closure of each tank includes characterization, engineering evaluation and reporting, deactivation and isolation of transfer lines, pits and penetrations to the tank, and placement of a grout layer in the bottom of the tank to stabilize the residual waste.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	86.6	32.1	36.5	-54.4 -62.9%	-4.3 -13.5%	
CTD	1,063.6	987.4	995.0	-76.2 -7.2%	-7.6 -0.8%	1,453.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to new budget for S-Farm Closure Management, added by implementation of BCR RPP-08-005, against which no progress was taken (delayed start).

The CTD SV is within the reporting threshold of ±10 percent or $1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is negligible and the CTD CV is within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09 - TREAT AND DISPOSE WASTE (EXCLUDES WBS 5.09.02.02/.03/.05/.08/.11; 5.09.03.01/.04)

Scope Description: The baseline provides for the remaining scope for WBS 5.09, which includes the Infrastructure Services that provide for electrical power to the WTP, Strategic planning including the support to Optimization Studies, the newly established IPS Project, Project W-QQQ immobilized high-level waste (IHLW) Shipping Facility support, and support to the TPA Milestone M-62-08 deliverables. Also included are the Failed Melter Disposal System and future expansions to IDF. Both are outside of the CTD reporting. Startup and Turnover, performance of Operations Readiness Reviews, and turnover of the constructed IDF to Operations are included in this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,591.7	1,763.2	735.2	171.5 10.8%	1,028.0 58.3%	
CTD	13,771.5	13,830.9	10,485.7	59.4 0.4%	3,345.2 24.2%	18,002.7

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to 1) Progress earned on the IPS Technology Development work (level loaded); and 2) Immobilized High-Level Systems (IHLW) Definition work performed ahead of schedule.

CTD SV is within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to 1) Progress earned and cost efficiencies on the IPS Project (Project Support and Technology Development); 2) Labor efficiencies in Supplemental Treatment Strategic Planning; 3) Infrastructure Services Phase 1 (reduced electrical usage at the WTP); and 4) Efficiencies on IHLW) Systems Definition.

The CTD favorable CV is due to 1) Less WTP electrical usage than planned; 2) Labor efficiencies in Strategic Planning; 3) Cost efficiencies on the IPS Project Support and Technology Development; and 4) Under- runs in the ILAW (Baseline Management, Systems Definition and Performance Assessment).

The favorable CTD CV is partially offset by overruns in the IDF Operations care and custody (equipment calibrations and performance testing, procedure development, training and habitat mitigation).

Impact: None.

5.09.02.02 - TRU / LLW PACKAGING

Scope Description: The baseline provides for the design, construction, testing, operation, and decommissioning of a system to treat contact-handled transuranic mixed (CH-TRUM) waste for eventual shipment/disposal at the Waste Isolation Pilot Plant. 1) CH-TRUM Waste Packaging: Nine tanks are currently thought to contain CH-TRUM waste: four T-200 series SSTs, four B-200 series SSTs, and Tank 241-T-111; 2) Remote Handled transuranic mixed (RH-TRUM) Waste Packaging: Three tanks are currently thought to contain RH-TRUM waste: 241-AW-103, 241-AW-105 and 241-SY-102; and 3) Low-level waste (LLW) Packaging: activities required to operate a system to package LLW such that the packages can be sent to a licensed facility for disposal. One tank, 241-T-110, is currently thought to contain LLW. The volume of LLW in this tank is approximately 400,000 gallons.

ACCOMPLISHMENTS

None to report.

ISSUES/CHALLENGES

None to report.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	0.0	0.0	65.6	0.0 0.0%	-65.6 -65.6%	0.0

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD unfavorable CV is due to residual costs received in early FY 2006.

Impact: None.

Corrective Action: None required.

5.09.02.03/.08 - LAW TREATMENT

Scope Description: This work element includes the facilities and systems to treat LAW that will not be treated at the WTP. The work scope includes design, permitting, procurement, construction, startup and testing, readiness, operations, and decontamination and decommissioning of a treatment facility in the 200 East Area. Scope includes the same activities for a 200 West Area facility and a 200 West Area Pretreatment Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	71.8	71.7	166.4	0.0 0.0%	-94.7 -132.0%	
CTD	1,894.8	1,894.8	1,927.1	0.0 0.0%	-32.3 -1.7%	2,150.2

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to Pretreatment Developmental Testing 200W costs to complete the SRNL Pilot Scale Baseline tests in May, which are partially off by efficiencies in Pretreatment Project Management 200W.

The CTD CV is within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09.02.05/.11 - DEMONSTRATION BULK VITRIFICATION SYSTEM PROJECT

Scope Description: The baseline provides work scope to issue procurement package and award contract; contract costs; support contract costs; and direct labor costs for project management and control, permitting, safety document preparation, readiness review activities, and engineering for the following: vendor design, fabrication, construction, installation, testing and operation of a Supplemental Treatment Test and Demonstration Facility; vendor design and fabrication of a salt waste retrieval system; and vendor design and construction required for Supplemental Treatment Test and Demonstration Facility site preparation, including infrastructure. The following is also provided: direct labor costs for installation, startup and operation of a salt waste retrieval system; material and utility costs in support of Supplemental Technology Demonstrations; and decontamination and decommissioning costs associated with Supplemental Technology Demonstrations.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	22.2	-43.4	22.2 22.2%	65.6 295.4%	
CTD	28,231.4	42,073.1	45,579.8	13,841.7 49.0%	-3,506.7 -8.3%	28,231.4

SCHEDULE VARIANCE

Description and Cause: The CM favorable SV is due to accelerated progress taken on DBVS Project Support activities (work is statused complete).

CTD, the favorable SV is due to accelerated work performed on the DBVS Project Technology Development and Design to support resolution of the ERP issues/final design (IDMT, Molten Ionic Salts and CD-2).

Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to final cost credit adjustments to closeout DBVS Design, Technology Development, and Engineering During Construction (final subcontract closeout costs).

The CTD unfavorable CV is due to additional subcontractors' effort to complete initial design (in prior years), retroactive subcontractor rate adjustments resulting from a Defense Contract Audit Agency audit, cost overruns on DBVS Engineering During Construction (see above) and cost overruns on DBVS Procurement (for unplanned storage and maintenance of equipment awaiting restart of construction). The unfavorable CTD CV is partially offset by cost efficiencies on DBVS Project Support and the recent DBVS Technology Development work for the IDMT.

5.09.03.01 - INTEGRATED DISPOSAL FACILITY

Scope Description: The baseline provides for planning, designing, and constructing the onsite expandable IDF for disposing of compliant ILAW stream packages produced at the WTP and through supplemental treatment, and the RL generated mixed low-level waste (MLLW) and LLW. The IDF will consist of the initial capacity near-surface, remote-handled waste trench facility to support WTP Operations ILAW Production and the RL MLLW and LLW disposal quantities. Infrastructure necessary to provide operations and maintenance support (e.g., utilities, roads, and fencing) will be provided by this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	7,132.9	7,132.9	5,352.0	0.0 0.0%	1,781.0 25.0%	7,132.9

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M. Work on this Facility is completed.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to cost effective management of the IDF construction changes, utilization of internal engineering resources rather than subcontracted support, and less project management resource usage than planned.

Impact: None.

Corrective Action: None required.

5.09.03.04 - PROJECT W-464 (INITIAL IHLW STORAGE FACILITY)

Scope Description: The baseline provides for Project W-464, Interim Storage Facility, which is a Canister Storage Building Retrofit Subproject that addresses initial operations storage. This element provides onsite interim storage for Initial Operations IHLW canisters until they can be shipped to an offsite geological repository. The planning for receipt and interim storage of the IHLW canisters shall comply with the Waste Acceptance System Requirements Document and the Office of Civilian Radioactive Waste Management Waste Acceptance Preliminary Specifications. This WBS covers equipment for transportation of IHLW canisters from the WTP to the interim storage facilities. The work scope activities included under this WBS element are as follows: Provide Project Management (Capital) and project engineering required for execution of design, procurement and construction of the Interim Storage Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	109.4	109.4	35.1	0.0 0.0%	74.3 67.9%	109.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M. No work is currently being performed on this Project.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is within the threshold of ± 10 percent or $1M.

The CTD favorable CV is due to cost effective use of support resources on Project W-464.

Impact: None.

Corrective Action: None required.

5.10 - ANALYTICAL TECHNICAL SERVICES

Scope Description: The baseline scope includes ATS management and Hanford Services support in order to meet the capability/capacity requirements on the 222-S Laboratory complex for the Hanford mission. Also included are: 222-S Laboratory spares; 222-S Laboratory spare reserves; capital equipment not related to construction; technology development activities; performance of facility assessment and characterization activities; development of National Environmental Policy Act of 1969 and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance plans; development of deactivation endpoints and turnover package; activities to flush, isolate, and blank process or sub-process systems; and removal of radioactive and hazardous materials and mixed wastes.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	2,753.0	2,671.5	2,516.4	-81.5 -3.0%	155.1 5.8%	
CTD	66,899.2	66,735.3	60,667.3	-163.9 -0.2%	6,068.0 9.1%	76,652.5

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM unfavorable CV is within the reporting threshold of ± 10 percent or $1M.

The CTD favorable CV is due to 1) Efficiencies in ATS Management technical advisors (attrition and transfer to WFO); 2) Efficiencies in 222-S Services (less than planned ORP steam allocations); 3) Efficiencies in 222-S Safe and Compliant Operations and General Support (less than planned dedicated and matrixed staff, planning rates greater than actual costs and revised waste volume projections for waste handling are less than originally planned); 4) Cost savings for 222-S Facility Reliability (Maintenance Annex HVAC and roof repair completed under budget); 5) Efficiencies in 222-S Analytical Support (re-direction of Analytical Process Development scientist and Engineering

technical support to Technology Development and Tank Sampling analytical support for corrosion control activities); 6) Efficiencies in 222-S Technology Development (less than planned Analytical Methods Development activities in FY 2006 as resources were re-directed to support the Industrial Hygiene Program and vapor analysis); 7) Cost efficiencies in ATL Waste Handling (shipments of waste for processing have been less than planned due to actual analytical production); 8) Efficiencies in ATL Waste Handling Disposition (shipments of waste for processing have been less than planned due to actual analytical production and subsequently the billing of ATL waste handling costs to the end users being less than planned); and 9) ATL Readiness to Serve costs less than planned.

Favorable CTD CVs are partially offset by minor unfavorable variance for 1) 222-S Capital Equipment Not Related to Construction (procurement of the gas chromatograph/mass spectrometer [GC/MS] and increased costs associated with design for the installation of the ICP/MS) and 2) ATL Waste Handling Revenue (shipment of waste for processing have been less than planned due to actual analytical production and subsequently the billing of ATL waste handling costs to the end users being less than planned).

Impact: None.

Corrective Action: Design and a cost estimate are being prepared for 222-S Facility Reliability repair/replacement (as required) of the 222S, 222SA and 222S Maintenance Annex roofs.

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

I. Near-Term Deliverables:

- **M-45-56, Complete Implementation of Agreed to Interim Measures.**
  Due: 07/31/08
  Status: On Schedule. ORP- Ecology annual meeting established for July 22, 2008 to discuss interim measures anticipated next year in Tank Farms. This discussion will not include scope under current negotiations.

- **M-45-58, Submit to Ecology for review and approval as an Agreement primary document a 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.**
  Due: 12/31/08
  Status: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **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: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **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: On Schedule.

- **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: On Schedule

II. Significant Accomplishments:

- Construction of the T-Farm interim barrier is complete. The monitoring system has been actuated.

- Continuing direct push work at C WMA. Analysis is complete on the 21 samples from the first unplanned release (UPR) At UPR-81, five probe holes were logged and 12 vertically separated samples were collected from one probe hole and are undergoing analysis. As of 7/3/08, two probe holes been decommissioned.
- The TX and TY geophysics field work is complete: initial data analysis has been completed and data interpretation and report development is underway.
- Construction of a groundwater monitoring and Vadose Zone sampling well in the BX Tank Farm is proceeding; the hole is approximately 235 ft. deep as of 7/3/08.

III. Significant Planned Actions in the Next Six Months:

- Complete analysis of UPR-200E-81 direct push samples.
- Complete construction of a groundwater monitoring and vadose zone sampling well in the BX Tank Farm.
- Complete the WMA C data quality objectives.
- Complete the Master Work Plan.
- Complete analysis and report of TX-TY Geophysics work.
- Hold meeting on potential future interim measures in support of M-45-56.

IV. Issues

- M-45-61 (CMS submittal) in 2010 is dictated by scope of characterization activities determined via M-45-60 (WMA C workplan and SAP) and EIS schedule.

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 3/24/05; C-202 retrieval completed on 8/11/05; C-201 retrieval completed on 3/23/06; C-204 retrieval completed on 12/11/06.
    - Mobile retrieval (C-101, C-105, or C-111): C-101 start of retrieval is currently projected for fiscal year 2011 (October 2010).

  - Implementation of full-scale LDMM technologies for the first three 100-series tank retrievals following Tank S-112:
    - Tank S-102: High Resolution Resistivity (HRR) system installed; supporting retrieval operations. System was electrically shut down with all power to the S-102 area in response to a waste spill on July 27, 2007. Power will be restored to S-102 as soon as safely possible.
    - Tank C-103: HRR system demonstration complete.
    - Tank C-108: HRR system installed; supporting retrieval operations.
    - Completed HRR injection tests at S-102.
    - Submitted HRR evaluation report and recommendation for further deployment.

  - Submittal of TWRWPs:
    - Tanks C-201, C-202, C-203, and C-204: Completed on 4/8/04
    - Two (2) 100-series tanks by 7/31/04: Completed on 7/29/04 (C-103 and C-109)
    - Four (4) 100-series tanks by 10/31/04: Completed on 10/8/04 (C-102, C-104, C-107, C-108, and C-112).

  - Five (5) 100-series tanks by 1/31/05: Completed on 1/24/05 (C-101, C-105, C-110, and C-111).

- Submittal of Waste Management Area (WMA) integration plans by 6/30/05:
  - WMA C: Completed; submitted from ORP to Ecology on 6/22/05
  - WMA T: Completed; submitted from ORP to Ecology on 6/22/05.

- **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-45-00E, 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-45-05, 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: To Be Missed (Based on current DOE Baseline planning)

- **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 design and construction work for the C-104 retrieval system.
- Obtained Ecology approval to retrieve tank 241-C-110. (6/12/08)
- Obtained Ecology approval of the 241-C-110 TWRWP (7/3/08)
- Continued planning for C-110 retrieval.

III. Significant Planned Activities in the Next Six Months

- Complete construction for the C-110 retrieval system and start retrieval.
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP (for tanks C-101, C-105, and C-111) and obtain Ecology approval.

IV. Issues

- The MRS TWRWP has not been approved by Ecology. ORP submitted a document update on January 15, 2008.
- Milestones M-45-00B (retrieve all C-Farm tanks) and 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 are ongoing.

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	7/2/09	8/5/10	9/1/10	10/1/10	1/6/12	12/6/11	9/27/12
C-102	1/14/11	10/13/11	12/9/12	1/9/12	11/20/12	10/20/12	11/18/13
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104[c]	7/17/08	2/10/09	1/10/09	3/19/09	10/27/09	10/9/10	9/9/10
C-105	5/2/12	6/5/13	7/30/13	8/30/13	3/6/14	2/6/14	12/4/14
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[d]	Complete	Complete	Complete	Complete	5/20/09	4/20/09	3/23/10
C-109[d]	Complete	Complete	Complete	Complete	9/8/08	8/1/08	6/30/09
C-110[bc]	7/31/08	8/27/08	8/22/08	9/8/08	1/16/09	12/16/08	10/22/09
C-111	8/18/14	9/21/15	11/21/15	12/21/15	4/28/16	3/28/16	1/31/17
C-112	10/18/13	7/23/14	9/9/14	10/9/14	3/25/15	2/25/15	3/1/17
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 June month-end Integrated Mission Execution Schedule (IMES) as of 6/25/08 and are subject to change as efforts continue to identify and implement schedule efficiencies.
b. Projected dates for C-110 are based on utilizing Modified Sluicing technology and availability of acceleration funding.
c. Schedules are being updated for inclusion of S-102 corrective actions and compensatory measures.
d. Restart retrieval.

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: On May 15, 2008, Ecology transmitted comments on the M-45-02N deliverable. Responses to Ecology's comments are being developed at this time.

- **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

- **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: 4/30/10
  Status: On schedule

II. Significant Accomplishments

- Submitted M-45-02N deliverable on February 29, 2008, ORP letter, 08-TPD-010

III. Significant Planned Activities in the Next Six Months

- Respond to Ecology comments on the M-45-02N deliverable.

IV. Issues

- Ecology approval of the M-45-02N submittal is still outstanding.

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 in the Next Six Months

- Complete NRC review of the C-106 exception request.
- Continue Performance Assessment workshops with Ecology.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement and associated Record of Decision (ROD); forecast completion for the final EIS is December 2009.

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 restarted on July 25, 2007 and was suspended after a waste spill on July 27, 2007. Spill recovery actions are in progress.

- **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

- None

III. Significant Planned Activities in the Next Six Months

- Complete recovery actions for the waste leak of July 27, 2007.
- Resume retrieval in FY 2009.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure.
- On July 27, 2007 a leak of up to 114 gallons of tank waste occurred from the S-102 pumping system. Operations were suspended, recovery actions started immediately and are continuing.

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 12/21/07). 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: Complete (ORP letter, 07-TPD-066, dated 12/21/07). 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

- None

III. Significant Planned Activities in the Next Six Months

- Respond to Ecology comments on the S-112 RDR.

IV. Issues

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 03/18/04 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; these two tanks are undergoing retrieval. ORP's obligation to interim stabilize S-102 and S-112 will be satisfied upon completion of retrieval operations. Retrieval of S-102 has been impacted by the spill at this tank.

II. Significant Accomplishments:

None.

III. Significant Planned Actions in the Next 6 Months:

Conduct recovery actions from the spill at S-102.

IV. Issues

Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007. The spill at S-102 will delay completion of this milestone.

In Tank Characterization and Summary

For the period from June 1 – June 30, 2008

I. Accomplishments:

- Completed laboratory data report for the 241-AY-101 core samples in support of the tank corrosion control program on June 30, 2008.
- Completed Chemistry Control DQO, Rev. 9 on June 10, 2008.
- Completed Waste Compatibility DQO, Rev. 13, on June 11, 2008.
- Completed core sampling of tank 241-AP-103 in support of the tank control program in mid June 2008.

II. Planned Action within the next Six Months:

Tank Sampling

-
- Tank 241-AZ-102 liquid grab samples scheduled for October 2008.
- Tank 241-AP-107 liquid grab samples scheduled for October 2008.
- Tank 241-AW-106 liquid grab samples scheduled for August 2008.
- Tank 241-AN-106 pre 241-C-110 retrieval sampling scheduled for July 2008.
- Tank 241-C-110 vapor samples scheduled for September 2008.
- Tank 241-AN-106 post 241-C-110 retrieval sampling scheduled for November 2008.
- Tank 241-AN-103 core samples scheduled for November 2008.
- Tank 241-AP-104 core samples scheduled for December 2008.

BBI Updates

- Nine of ten tank updates are planned for FY 2008 have been completed.

DQOs

- Complete Evaporator DQO, Rev. 5 in September 2008.
- Complete SST Component Closure DQO, Rev 4 in September 2008.

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: Will Be Missed. Pending path forward with Ecology for renegotiation of new milestone commitments.

- **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:

- Completed actions as outlined in closeout letter by Ecology

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-62, which has been closed out).

EVAPORATOR CAMPAIGNS

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY07	07-01 (07-02)	AN-106/AY-102 (AW-102)	AP-103	Campaign completed 7/22/07.
FY07	07-02 (08-01)	AP-104	AP-103/ AP-104	Campaign completed 11/15/07.
FY08	08-CR	None	None	Planning is underway to conduct a Cold Run to complete 242-A monitoring and control system (MCS) upgrades and equipment testing, and personnel training in FY08.
FY08	08-01 (10-01)	AP-101/AP-105	AP-104	Planning is underway to accelerate the FY10 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaigns 08-CR and 08-02 (acceleration of 09-01).
FY08	08-02 (09-01)	AP-101/AP-105	AP-104/ AP-101	Planning is underway to accelerate an FY09 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaign 08-01 (acceleration of 10-01).
FY09	09-01	AW-106	AP-101	Detailed planning for FY09 and outyear campaigns subject to retrieval activities and contract requirements. Forecast FY09 campaigns are based on preliminary planning associated with blending AZ-102.
FY09	09-02	AP-107	AP-101/ AP-107	
FY09	09-03	AZ-102	AP-107	

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:

- Complete a survey in Fall 2008 to determine survival rate of sagebrush planted to date and determine delta to meet 60% survival required by the Mitigation Action Plan – Fall 2008.

IV. Issues

- None.

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-62-01P, Submit Semi-Annual Project Compliance Report.**
  Due: 01/31/2008
  Status: Complete

- **M-62-01Q, Submit Semi-Annual Project Compliance Report.**
  Due: 07/31/2008
  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 – Insufficient information to compare technologies due to delays in funding for the Demonstration Bulk Vitrification System (DBVS) and lack of WTP cost and schedule information.

- **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:

- Complete Interim Pretreatment studies to support the "Early LAW" initiative and provide results and recommendations to ORP by September 30.

IV. Issues:

- None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Waste Treatment Plant

The project is 43% complete. There are 1,598 people assigned to the WTP construction site (all facilities), 965 manual and 633 non-manual.

Financial expenditures to-date are $464 million that, combined with approved baseline change proposals (BCP) implemented this year, result in a forecasted spend of $734 million.

Cumulative fiscal year-to-date earned value performance for the project is shown in the table below.

	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08
BCWS	48,396	93,184	135,015	178,633	259,849	315,441	369,217	405,324
BCWP	48,645	95,247	134,615	177,802	255,241	303,880	363,561	396,581
ACWP	54,226	111,143	160,591	208,495	283,264	341,823	409,221	458,958

Unfavorable performance continues with cumulative unfavorable cost variance (CV) of $36.7 million, a decline of $16.7 million from last month. Total schedule variance (SV) is unfavorable $39.2 million, a $3.1 million decline from last month.

In response to these concerns, a causal analysis was performed by BNI Engineering to understand and mitigate the continued impacts. A recovery plan with a number of improvement areas for Engineering is currently being implemented. The plan includes the identification of clear roles and responsibilities and organizational changes to strengthen the Engineering team. Work process changes will be implemented that focus on cost and schedule performance improvements. Integration of unplanned engineering work into the schedule is planned for completion in August in order to better understand the work to go.

A guide is also in development for identifying and developing thresholds, cost and schedule impacts, schedule for resolution, and principal contacts for resolving the project's leading technical issues. Individual forms for each issue will be jointly developed by BNI and DOE (not more than one page) that bounds the scope and describes critical information for management action.

Strong attention continues to be given to vendor performance through enhanced team and collaboration efforts with vendors. Key equipment procurements will be handled by a focused equipment group with senior engineers to strengthen production focus.

The review of the biennial update to the WTP preliminary safety analysis report (PSAR) continues to go well. At the end of June, all 111 questions submitted to BNI were successfully dispositioned and the final safety evaluation report (SER) was completed. However, during a BNI's review of the SER, nine of the open conditions of acceptance (COA) from previous reviews were not included. Review of the remaining nine open items is underway and expected to be complete by mid-July.

The U.S. Nuclear Regulatory Commission's (NRC) draft report on the WTP regulatory process is currently with the NRC Commissioners for review. NRC requested, and was granted, a 30-day extension to complete the review. NRC will issue a press release when the report is issued to Congress and will hold a public meeting in Richland, Washington, to present the results of their review.

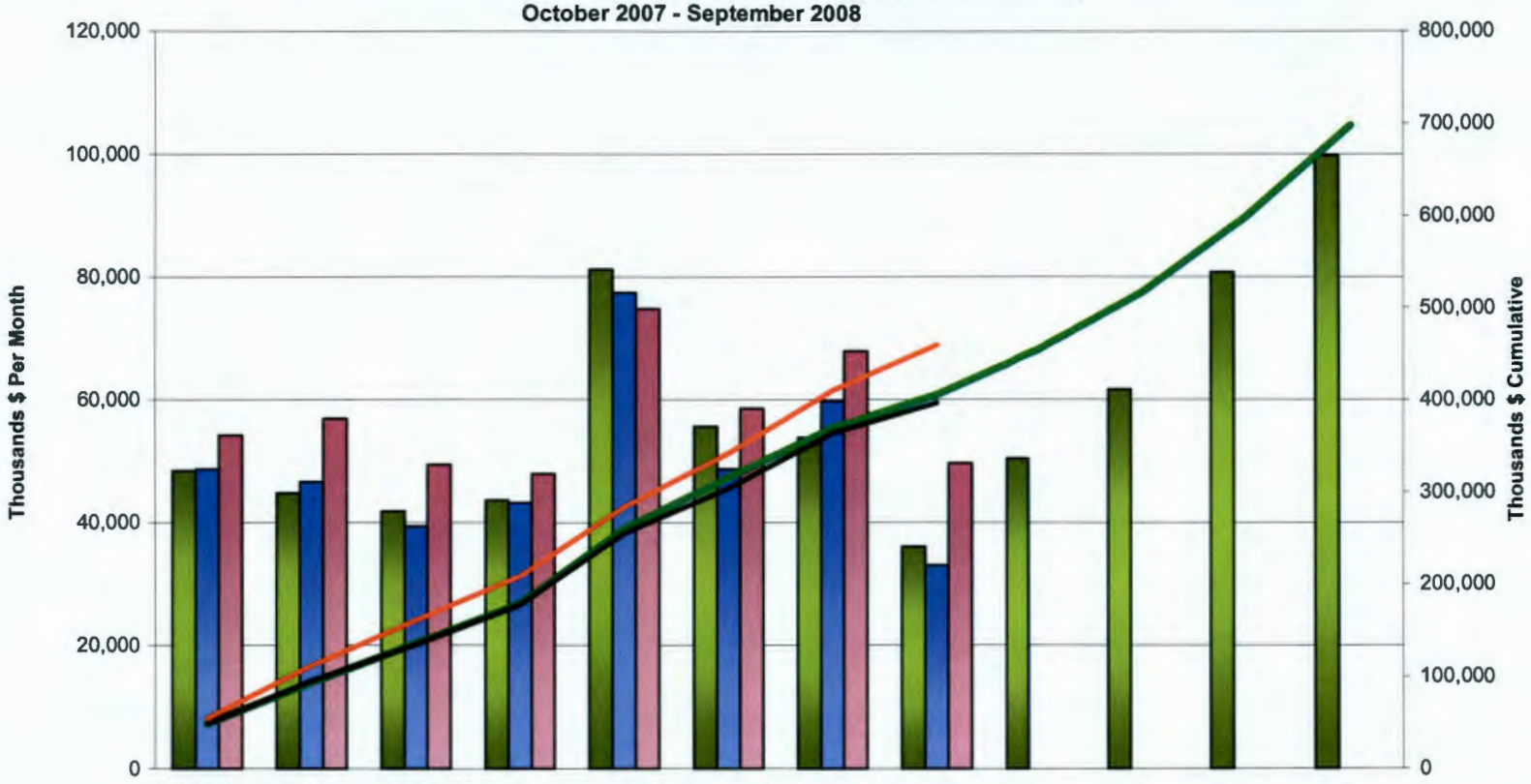
As of June 2008, the WTP Broad Based Review (BBR) Team reported 41% completion of the review. Results of the completed reviews indicate that a number of requirements are not met. Issues list have been generated for resolution by BNI. An interim report will be published in July 2008. The completion date for the review is now scheduled for late calendar year 2008 or early 2009.

The DOE Office of Construction Management (OECM) performed a management review of ORP and BNI. The review was framed around the measures taken by WTP to resolve recommendations from prior external reviews and BNI's incorporation of corrective actions resulting from the Earned Value Management System Certification Reviews. The review is anticipated to confirm that the recommendations of all the CY 2006 reviews have been satisfactorily addressed and that management processes are effective and functioning. As part of their report to ORP management, the OECM team plans to provide recommendations to improve management capabilities. Approximately 40 meetings were held with BNI and ORP management and staff. The closing-out briefing occurred on June 27.

ORP completed its review of the BNI Commercial Grade Dedication (CGD) procedure (Revision 8) and the new CGD implementation plan. ORP determined the documents are adequate for the flowdown of BNI Quality Assurance Manual requirements, which incorporates NQA-1-2004 criteria. ORP also reviewed objective evidence for closure of the five outstanding conditions necessary for releasing the Management Suspension of Work and determined that all required actions were completed. On June 12, 2008, the stop work was lifted, resuming CGD work activities.

A recently completed analysis determined that engineering, construction, and overall facility percent complete calculations were not reported consistently. To alleviate this issue, ORP will only use budgeted-cost-of-work performed (dollars) as opposed to budgeted hours for calculating percent complete values. At the facility level, allocated values will be used and at the EPCC level, facility specific values will be used. This will ensure consistent reporting of percent complete values. Based on this new methodology, some of the percent complete values for overall facility and by project phase are now lower than previously reported.

Total Project
WTP Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	48,396	44,788	41,831	43,618	81,216	55,591	53,776	36,107	50,477	61,654	80,793	99,694
Mthly Perf (BCWP)	48,646	46,602	39,368	43,187	77,439	48,637	59,681	33,020				
Mthly Actuals (ACWP)	54,226	56,917	49,448	47,904	74,769	58,559	67,938	49,737				
FY 08 TD Plan (BCWS)	48,396	93,184	135,016	178,634	259,849	315,441	369,216	405,323	455,800	517,454	598,246	697,941
FY 08 TD Perf (BCWP)	48,646	95,248	134,616	177,804	255,242	303,880	363,561	396,581				
FY 08 TD Actuals (ACWP)	54,226	111,143	160,591	208,495	283,264	341,823	409,760	459,497				

Pretreatment (PT) Facility

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. Facility construction began November 2002 with a scheduled construction completion date of October 2014. Currently, overall percent complete is 37%, design is 65% complete, and construction is 24% complete.

The objective and work scope associated with the External Flowsheet Review Team (EFRT) issue M-3, "Inadequate Mixing," will be revised to provide the technical basis to resolve the mixing performance of vessels that use pulse jet mixers (PJM) mixed vessel design (11 of the 33 PJM mixed vessels may not be a concern). A joint DOE/BNI task force has reached agreement on the concept for the testing program and continues to have weekly meetings to complete revision of the M3 testing program. The M-3 re-planning effort will be completed in June 2008 and will also include prototypic testing to demonstrate the technology. Of the original 28 EFRT issues, 20 are now closed with 8 remaining.

Leak testing was completed on the Chilled Water and Compressed Air Plant skids and the reverse osmosis skid started for the Pretreatment Engineering Platform (PEP). Calibration of the NQA-1 instrumentation was completed on May 30, 2008. The 250-gallon sample of PEP simulant was fabricated and delivered to Pacific Northwest National Laboratory for analysis. Site integrated testing has started and integrated water tests are scheduled to begin in September 2008. Phase 1 testing will begin in October 2008. The PEP provides the equipment needed to perform a 1:4.5 scale test of the WTP ultrafiltration system to address questions associated with the system's caustic and oxidative leaching processes, equipment performance, and system capacity.

BNI and the evaporator fabricator have spent several months performing coupled analysis of the evaporators and concluded that overstress conditions in the evaporator shells cannot be eliminated without making modifications to the separator vessels. BNI and the fabricator have reviewed options and concluded that replacement of the vessel shell will not be required. While technical issues remain to be resolved, the team is making progress towards developing the activities that will be required to ensure that the evaporator meets project requirements.

The panel of corrosion experts, referred to as the "Blue Ribbon Panel," have assessed the materials planned for use in the WTP Pretreatment Ultrafiltration Process System (UFP) vessels. Preliminary conclusions indicate that the process should be limited to 90°C or below if the current stainless steel vessels are used. Operations at the required 100°C would require a vessel material of construction

switch to Hastelloy. BNI has been performing modeling that will allow them to compare a number of different operating and physical parameters that could resolve the concern. BNI is preparing a recommendation on what corrective actions should be taken. This report will provide a basis for decision if Hastelloy should be substituted for stainless steel for the affected vessels. The need for additional testing will also be evaluated and may be included in the plan.

Inspection and repair of welds has been completed on the hot-cell crane rail support beams. Coating activities continue in the west end of the hot cell and workers are installing secondary liner plate in Planning Area 3. Construction forces continue to erect temporary work decks at the 56' elevation over black cells on the north side (to provide platforms for workers) and man lifts to work from while installing rebar and concrete forms. In addition, crews removed conduit affected by drawing revisions and are preparing to install conduit in the 56' elevation slabs over the hot cell. At the 28' to 56' elevations, crews are erecting steel on the PT Facility' south side. Workers are building rebar fourth lift curtains (56' to 77' elevations) on the ground on the north side of the facility. Crews continue to install floor-drain piping on the north side of the PT Facility at the 28' elevation. In addition, construction forces are sandblasting the concrete to prepare for future concrete placements.

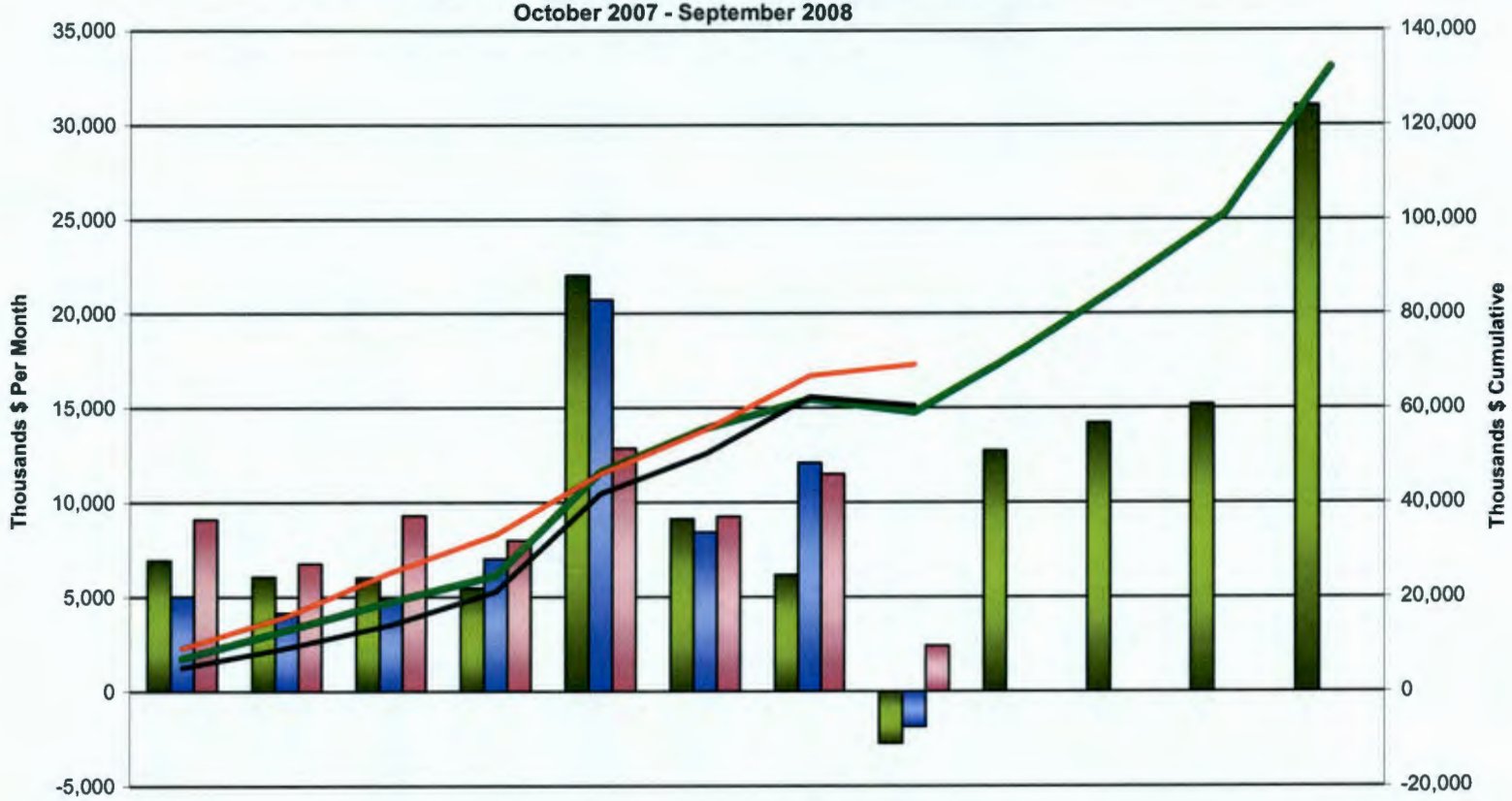
Workers placed commodities for slab 2832 at the 28' elevation on the PT Facility's south side and poured approximately 80 cubic yards of concrete. Also at the 28' elevation, crews are welding beam seats and erecting structural steel on the south side of the facility. At the 0' elevation, crews continue grinding and welding vessel support rings for vessels UFP-01A, UFP-2B, and HLP-27B.

Engineering activities this month included the issuance of 17 concrete drawings to release the remaining concrete slab embeds at the 56' elevation. Engineering calculation change notices were approved for the Pulse Jet Ventilation System (PJV); the hydrogen in piping and ancillary vessel (HPAV) wall embeds at column line 4; and the welded plate girder at the +98' elevation. Preliminary stress design was completed for jumpers in Planning Area 2. Eight calculations were completed to support mechanical systems design activities and seven piping and instrumentation diagrams for the Breathing Service Air System.

The following table provides a status of near-term gatepost milestones for the PT Facility.

	Milestone	Scheduled	Projected
Pre-Treatment Facility	Approve PJM Miltiple Overblow Final Report	6/07	7/08
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	8/08
	Prepare 2008 Preliminary Safety Analysis Report (PSAR) Update	5/08	3/08 A
	Issue Jumper Design for Planning Area 25	7/08	7/08
	Receive Final Multiple Overblow Load Specification	7/08	7/08
	Complete Slab 2832 (28' elevation)	9/08	6/08 A

Pretreatment
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,935	6,054	6,010	5,475	22,025	9,118	6,159	-2,747	12,752	14,214	15,204	31,039
Mthly Perf (BCWP)	5,028	4,153	4,908	6,993	20,744	8,410	12,095	-1,863				
Mthly Actuals (ACWP)	9,100	6,756	9,297	7,989	12,875	9,248	11,510	2,406				
FYTD Plan (BCWS)	6,935	12,990	19,000	24,475	46,500	55,617	61,776	59,030	71,782	85,996	101,200	132,239
FYTD Perf (BCWP)	5,028	9,182	14,090	21,083	41,827	50,237	62,332	60,469				
FYTD Actuals (ACWP)	9,100	15,856	25,153	33,142	46,017	55,266	66,776	69,181				

High-Level Waste (HLW) Facility

The HLW Facility continues with good performance in construction, mostly in the placement of walls and slabs and the installation of structural steel above the 0' elevation. The number of construction manual craft has increased to more than 170.

HLW design and construction completions are 83% and 19%, respectively. Overall HLW Facility completion is 40%. Percent completions have been changed in this report due to change in the calculation method to use of earned cost-of-work performed (dollars) as opposed to earned hours.

Construction crews placed approximately 370 cubic yards of concrete for two walls at the 0' to 14' elevations. At the 0' elevation, crews continue preparing walls and slabs for concrete placement by installing rebar, commodities, and forms around the melter cells. Door liners are also being fabricated for the northeast wall. At the -21' elevation, crews continue installing cable tray, fabricating and installing heating, ventilation, and air conditioning (HVAC) ductwork, fire water piping, setting drum transfer rails, and installing non-radioactive liquid disposal piping and beam clips. Also, crews continue erecting beam clips and rebar, and installing metal decking, commodities, grounding, and forms for slabs at 14' elevation at the annex area of the HLW Facility.

Although some have been released, many black cell and hard-to-reach fabricated piping spools in the HLW and PT Facilities are still under review by BNI for compliance with the requirements.

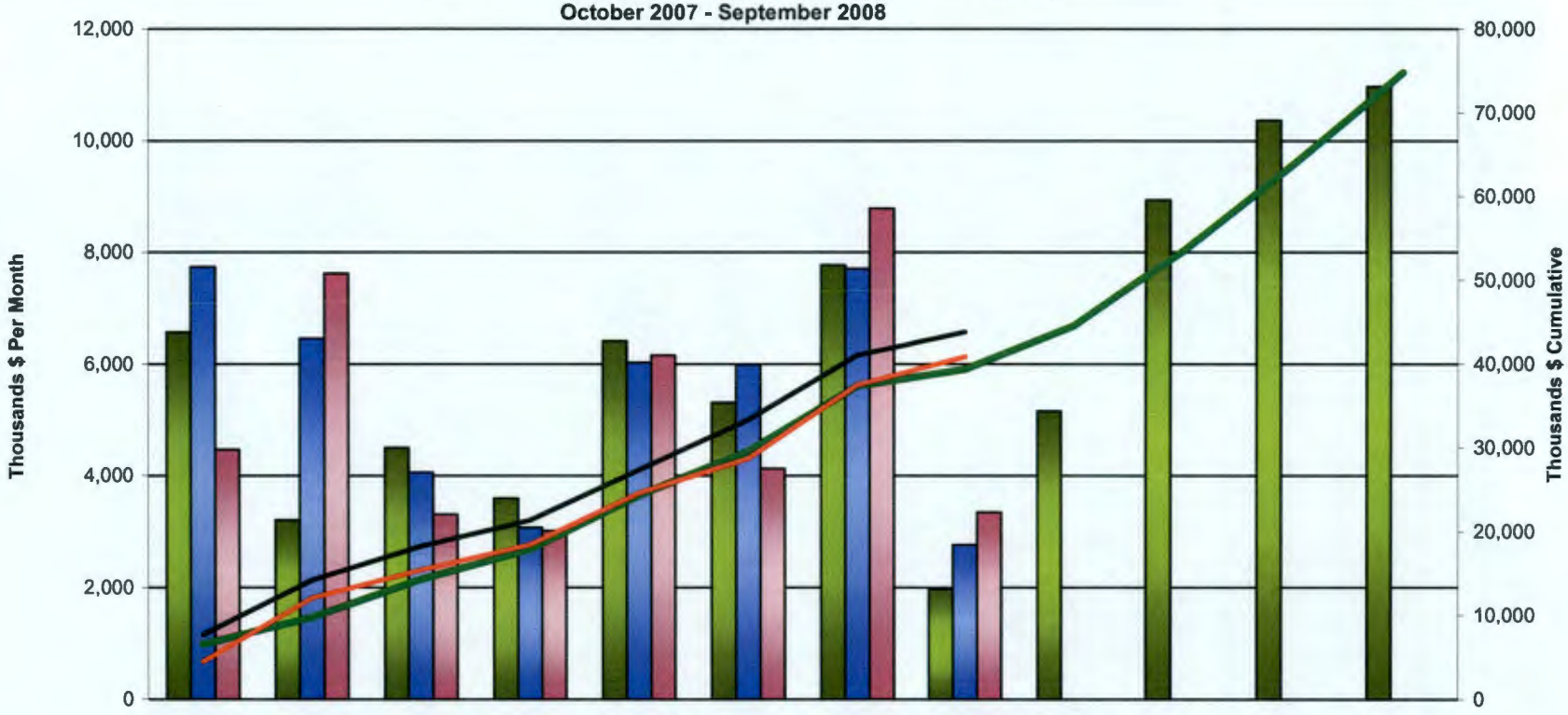
Engineering issued numerous documents this month including 272 Revision 0 isometric drawings and 13 concrete forming/embed drawings. The embedded raceway layout drawings to support near-term concrete placements and mechanical sequence diagrams for the HDH canister decontamination handling system, approved roof plan architectural drawing, system block diagrams for the process vessel vent exhaust system and the process and mechanical handling closed-circuit television system were also issued. Platform drawings at the +37' elevation and drawings for the wall, piping and valves with remote solenoid valve and isolation valve; a calculation impact analysis for the HPAV melter capacity upgrade; revised design criteria for "approval of electrical equipment"; and datasheets for the non important-to-safety (ITS) dry-type transformer, busway, and mechanical changes to in-cave lighting.
The technical bid evaluation for adjustable speed drives and specification for the canister rinse bogies were also completed this month. The site safety showers were approved and packaged for delivery along with the shipping canister decontamination handling (HDH) system vessel 3.

BNI provided ORP with a draft Justification for Continued Design, Procurement, and Installation (JCDPI) for the tailoring of DOE-STD-1066, *Fire Protection Design Criteria*, Section 14, "Nuclear Filter Plenum Protection Based on Hazard Analysis," since the BNI-submitted Authorization Basis Amendment Request (ABAR) was rejected by DOE for additional work. The JCDPI is scheduled to be finalized by the end of the month. ORP directed BNI to resubmit the ABAR to ORP within six months for ORP approval by December 1, 2008.

The following table provides a status of near-term gatepost milestones for the HLW Facility:

	Milestone	Scheduled	Projected
High Level Waste	Preliminary RGM Evaluation of Melter	6/08	6/08 A
	RGM Evaluation of RLD Vessels	8/08	8/08
	Safety Systems Requirement Specification-Interlocks C2/C3 Rev.0	8/08	8/08
	Erect Structural Steel & Decking Slab 2002 (+14')	9/08	6/08 A
	Issued for Construction-Piping Isometrics for Breathing Service Air	11/08	9/08
	Place Elevated Slab 2001 (+14') Annex	12/08	7/08

High Level Waste
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,569	3,208	4,498	3,594	6,415	5,310	7,772	1,972	5,157	8,937	10,366	10,968
Mthly Perf (BCWP)	7,740	6,457	4,060	3,074	6,030	5,991	7,709	2,762				
Mthly Actuals (ACWP)	4,466	7,623	3,309	3,015	6,156	4,130	8,786	3,347				
FYTD Plan (BCWS)	6,569	9,777	14,275	17,869	24,284	29,594	37,366	39,337	44,494	53,431	63,797	74,764
FYTD Perf (BCWP)	7,740	14,197	18,257	21,331	27,362	33,353	41,061	43,824				
FYTD Actuals (ACWP)	4,466	12,089	15,399	18,413	24,569	28,699	37,486	40,833				

Low-Activity Waste (LAW) Facility

The LAW Facility will vitrify low-activity waste from the Pretreatment 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 onsite in the Integrated Disposal Facility. Overall facility percent complete is 67%, design is 94%, and construction is 60%.

A number of isometric drawings, datasheets (Non-Radioactive Liquid Waste Disposal System [NOD] and C5 ventilation system) block diagrams (Stack Discharge Monitoring System [SDJ] and Autosampling System [ASX]) and calculations (control valves for C3 ventilation system and flow orifice for Plant Cooling Water System [PCW]) were released and issued this month. This releases follow on work and procurements.

Epoxy coatings were completed on the concrete stub walls above Process Cell 1. The floor on the north side of the +48' elevation has been prepared for epoxy coating work to begin. Installation continues on lightning protection on the roof, metal decking over the elevator area, rail clips for the bogie rail in the container export areas, and offgas piping from the stack connection to the caustic scrubber. Crews also continue to install grillage clips for the attachment of insulation in the pour caves and motor control centers on the -21' elevation; piping and coating supports on the -21', +3', +28', and +48' elevations; partition walls, cable tray, and electrical conduit on the -21', +3', and +28' elevations; melter rail on the +3' elevation; and ductwork on the +48' elevation. Fireproofing repairs on the +3' and +28' elevations and fireproofing of structural steel in the annex are ongoing. To segregate the process cell bridge crane (Crane 8) operating area from the construction work areas, barrier netting will be installed around the crane-operating perimeter at a height of six feet above the crane rails.

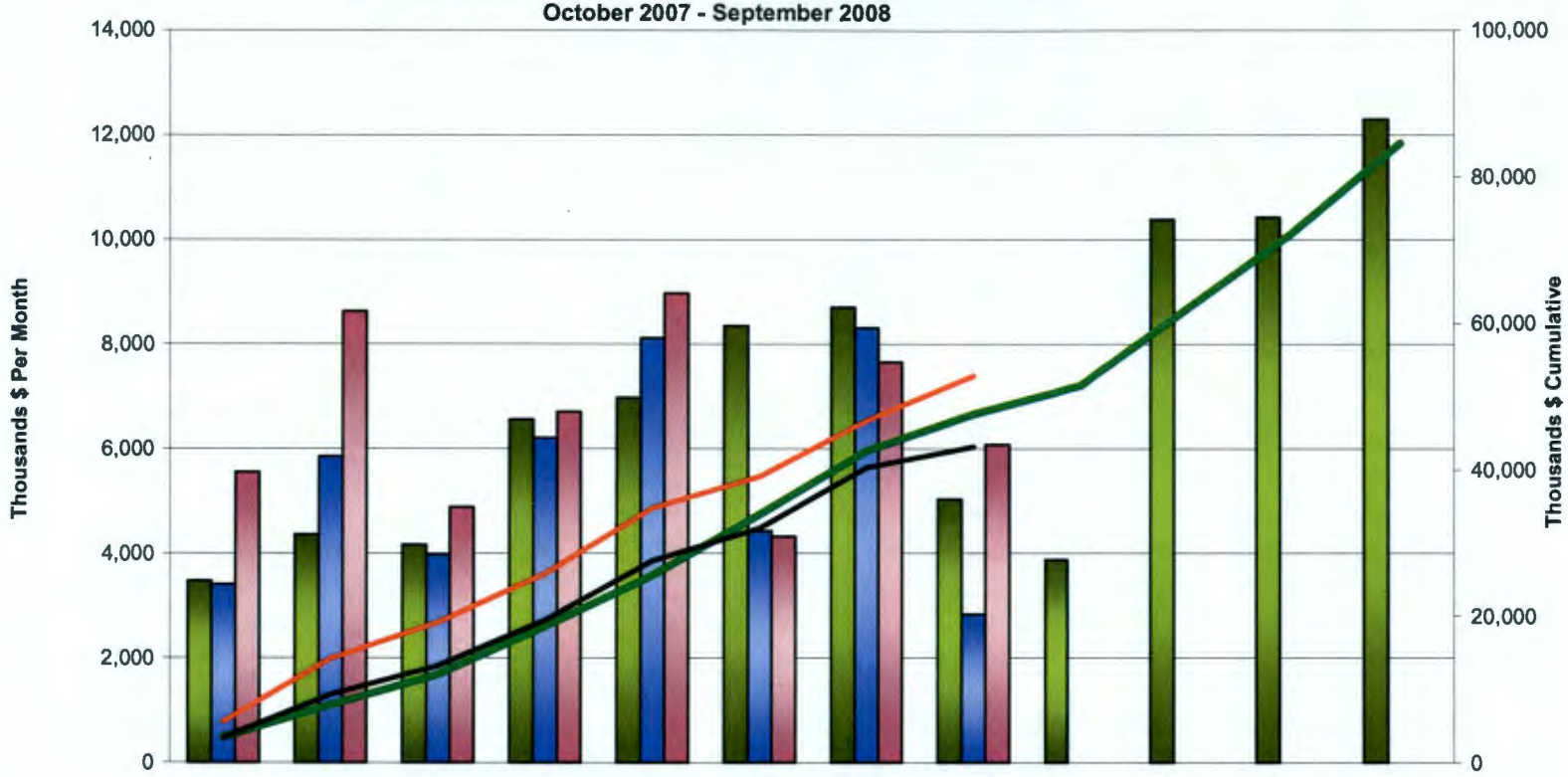
All of the process bulges were received for the LAW Melter Feed Process System [LFP]; however, one of the bulges was damaged in shipping to such an extent that it will be shipped back to the vendor for repairs.

The critical path for LAW continues to be associated with the procurement and installation of the offgas treatment unit operation components including the thermal catalytic oxidizer (TCO). The forecast schedule indicates a potential six-month delay to the milestone for construction completion; however, BNI has not investigated all of the potential mitigation actions. BNI has been providing many types of assistance to the TCO fabricator including project management, special welding, buying, and quality expertise.

The following table depicts near-term gatepost milestones for the LAW Facility.

	Milestone	Scheduled	Projected
Low Activity Waste	Complete C2 Fan Room Slab	1/08	2/08 A
	Install 22,500 lf of Pipe, All Elevations	2/08	2/08 A
	Install Partition Walls, Elevation -21	4/08	3/08 A
	Complete Export Bay Structural Steel	5/08	5/08 A
	Deliver Remaining Process Bulges	6/08	6/08 A
	Annex Facility "Closed In"	7/08	6/08 A
	Civil/Structural Design Complete	9/08	7/08
	Electrical Design Complete	9/08	7/08
	Complete Remaining Iso Design	12/08	8/08
	Deliver Melter #1 Base	12/08	11/08

Low Activity Waste
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,471	4,358	4,163	6,565	6,976	8,351	8,707	5,039	3,876	10,385	10,426	12,302
Mthly Perf (BCWP)	3,408	5,851	3,964	6,207	8,115	4,426	8,309	2,829				
Mthly Actuals (ACWP)	5,554	8,632	4,887	6,713	8,973	4,318	7,654	6,081				
FYTD Plan (BCWS)	3,471	7,830	11,993	18,558	25,533	33,885	42,592	47,631	51,507	61,892	72,318	84,620
FYTD Perf (BCWP)	3,408	9,259	13,224	19,431	27,546	31,972	40,281	43,110				
FYTD Actuals (ACWP)	5,554	14,186	19,073	25,786	34,759	39,077	46,730	52,811				

Analytical Laboratory (LAB)

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 41%, design is 89%, and construction is 51%.

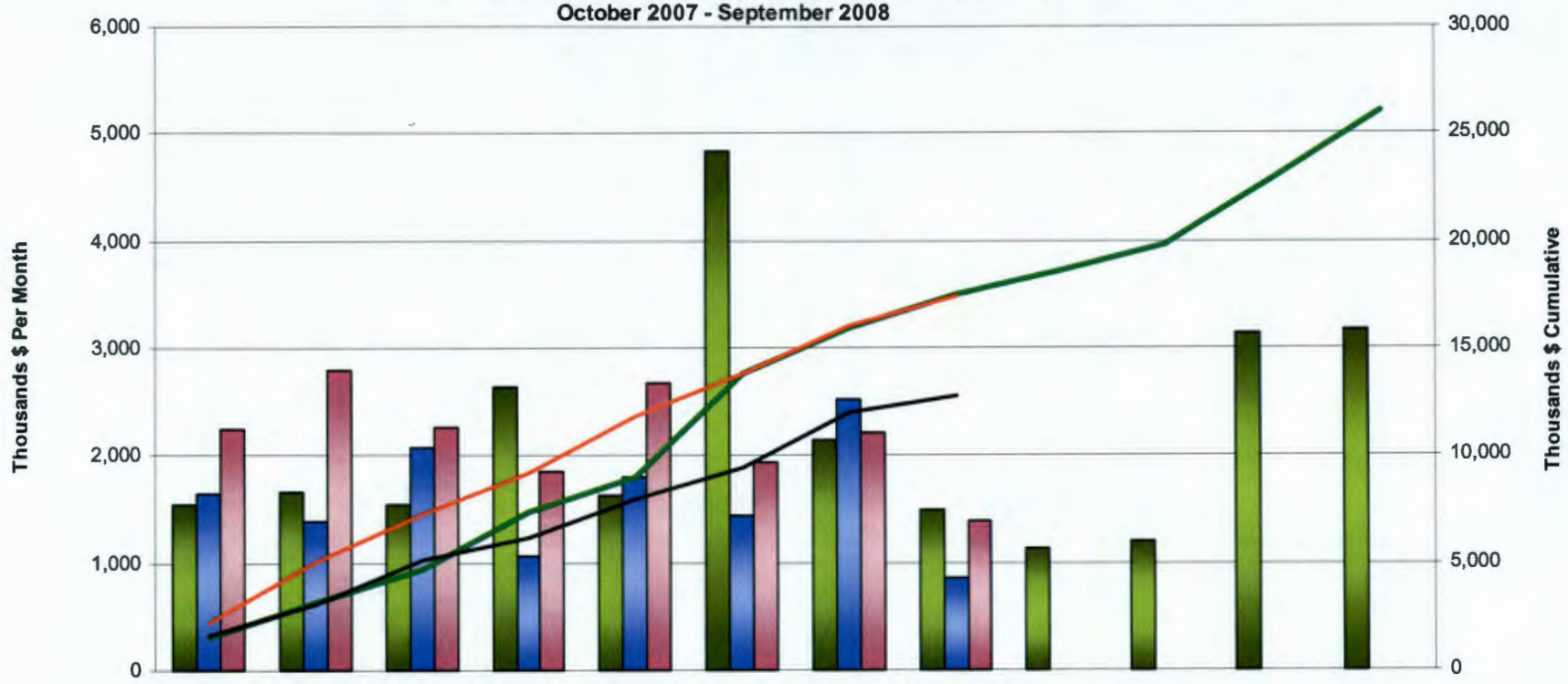
Construction forces set the last duct section in the LAB stack and will continue assembling the remainder of the structural steel for the stack. Erection of the stack is scheduled for mid-July. Crews continue to install hot-cell partition walls, electrical cable tray hangers, multi-commodity steel, ductwork, and pipe hangers. Crews have started to install sprinkler piping in the northeast corner of the facility. Installation of hangers continues for the C-2 and C-3 ducting in the north center area of the LAB. Work also continues on coating application on the stack, fire protection sprinkler piping, and interior partition walls.

BNI Engineering reviewed and issued the final controls and instrumentation conduit design; system block diagrams for the low-pressure steam system and datasheets for the ASX. Instrument rack datasheets were also released for the Plant Service Air System (PSA) and Steam Condensate Water System (SCW). Structural drawings for the 17' elevation monorail beams; the west transformer foundations and anchorage for the 0' elevation; and 46 isometric drawings were issued to construction. Eleven isometric drawings were released from hold, 87 HVAC supports, and 34 vendor submittals for the waste transfer system were reviewed and released. Eight hazardous topography drawings (the last of the facilities hazardous topography releases) were also issued.

The following table depicts near-term gatepost milestones for the LAB.

	Milestone	Scheduled	Projected
Analytical Laboratory	Complete Structural Steel Frame	11/07	10/07 A
	Complete Instrument Database	1/08	4/08 A
	Issue Final C&I Conduit Design	4/08	4/08 A
	Deliver Master Slave Manipulators	4/08	11/08
	Complete Structural Steel Fireproofing	5/08	5/08 A
	Complete Laser Ablation Site Accept Testing	7/08	7/08
	Complete 65% HVAC QL Ducts & Support Installation	9/08	9/08

Analytical Laboratory
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	1,534	1,659	1,545	2,643	1,627	4,834	2,139	1,491	1,124	1,195	3,129	3,169
Mthly Perf (BCWP)	1,654	1,395	2,079	1,066	1,804	1,446	2,520	849				
Mthly Actuals (ACWP)	2,253	2,796	2,269	1,854	2,667	1,937	2,216	1,394				
FYTD Plan (BCWS)	1,534	3,194	4,739	7,381	9,008	13,842	15,980	17,471	18,595	19,790	22,919	26,089
FYTD Perf (BCWP)	1,654	3,049	5,127	6,193	7,997	9,443	11,963	12,813				
FYTD Actuals (ACWP)	2,253	5,049	7,317	9,171	11,838	13,775	15,991	17,385				

Balance of Facilities (BOF)

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 48%, design/engineering 74% percent complete, and construction is 61% percent complete.

Construction forces completed placing dry-therm over the radioactive waste transfer lines on the south side of the PT Facility and placed over 200 cubic yards of control density fill (CDF) to backfill a portion of the PSA trench and for backfill around a rectifier. Construction forces also placed CDF to center load the Fire Service Water Storage & Distribution System (FSW) line leading to the HLW Facility to prepare for pressure testing. Backfilling of the trench between the HLW and PT Facilities also continues.

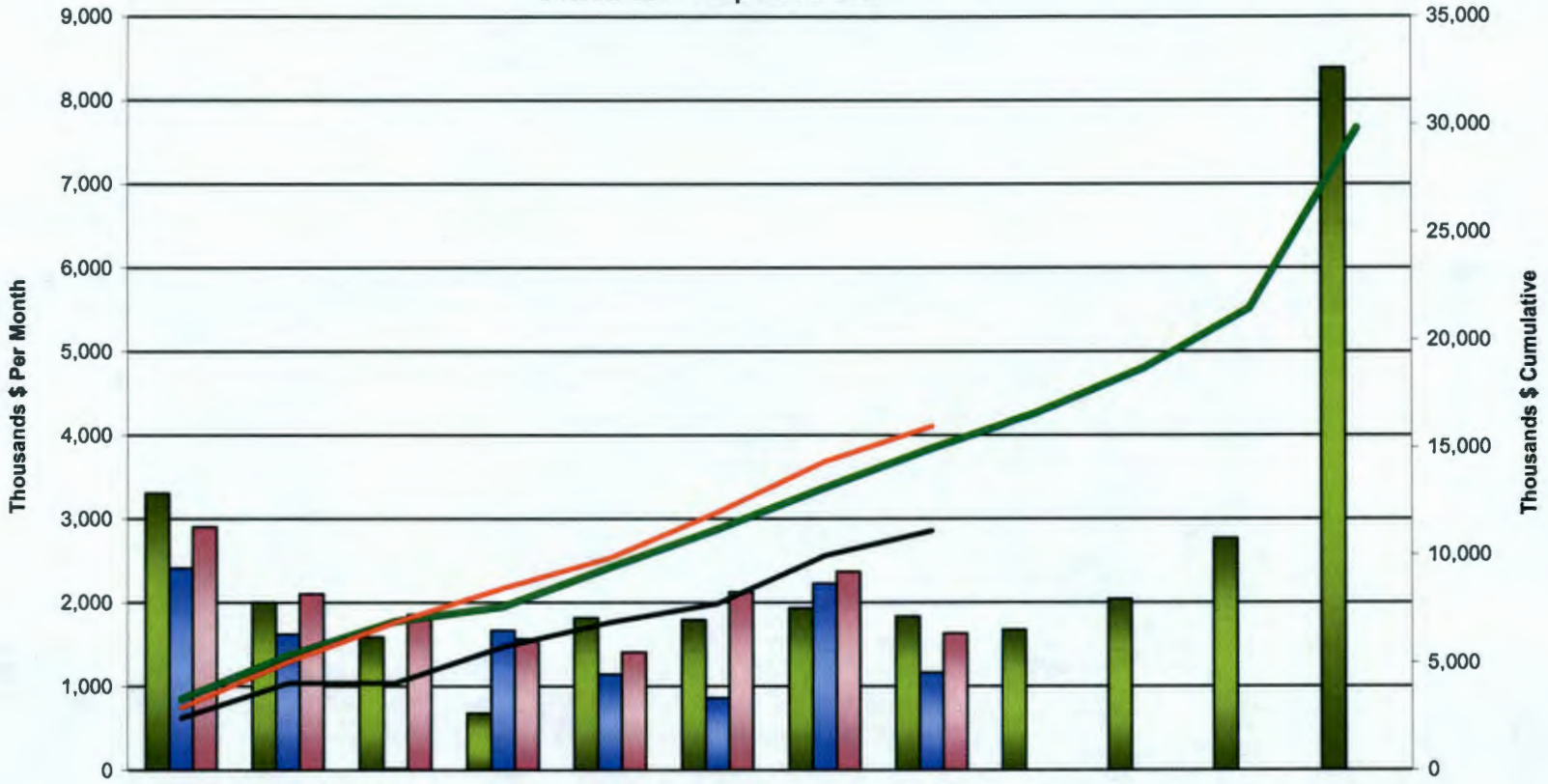
The pressure test of the FSW branch line to the HLW Facility was successfully completed. Construction forces completed energizing the permanent plant lighting and installing the chemical feed tank for the chill water system at the Chiller Compressor Plant. The second mixing hopper was delivered in mid-June.

The new haul road west of the PT Facility opened this week to support excavation of the radiological transfer lines. Work on the installation of small and large bore piping in the Chiller Compressor Plant is ongoing. Construction forces completed grouting six of the seven silos at the Glass Former Facility. The eighth silo (ferric oxide) was delivered June 4 at the Glass Former Facility and installed June 5.

The following table depicts near-term gatepost milestones for the BOF.

	Milestone	Scheduled	Projected
Balance of Facilities	Deliver GFSF Bins, Silos and Steel	5/07	6/08
	Complete GFSF Silo/Tanks (17) Sets	5/07	9/08
	Issue Rack #5A Pipe Fab Isometrics	5/08	5/08 A
	Complete LAW Melter Slab	6/08	1/08 A
	Complete LAW Melter Slab	6/08	1/08 A
	Complete Steam Plant Construction	9/08	6/08

Balance of Facilities
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,305	2,005	1,587	676	1,819	1,792	1,934	1,834	1,671	2,041	2,768	8,387
Mthly Perf (BCWP)	2,408	1,619	20	1,663	1,145	861	2,224	1,162				
Mthly Actuals (ACWP)	2,904	2,102	1,854	1,564	1,406	2,127	2,366	1,629				
FYTD Plan (BCWS)	3,305	5,311	6,898	7,574	9,393	11,185	13,119	14,953	16,624	18,665	21,433	29,820
FYTD Perf (BCWP)	2,408	4,028	4,048	5,711	6,856	7,717	9,941	11,102				
FYTD Actuals (ACWP)	2,904	5,006	6,860	8,424	9,830	11,957	14,322	15,951				

Waste Treatment Plant Project - Percent Complete Status
Through May 2008

(Dollars - Millions)	Overall Facility Percent Complete			Design/Engineering			Construction		
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	1,419	951	67%	123	116	94%	220	132	60%
Analytical Lab	557	226	41%	35	31	89%	61	31	51%
Balance of Facilities	925	447	48%	61	45	74%	175	107	61%
High-Level Waste	2,475	979	40%	196	163	83%	440	84	19%
Pretreatment	4,057	1,496	37%	327	211	65%	730	175	24%
Plant Wide/Gen Services	incld. above	incld. above	incld. above	621	426	69%	1,656	680	41%
Undistributed Budget	6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	9,439	4,099	43%	1,363	992	73%	3,282	1,209	37%

Source: WTP Contract Performance Report

**The Commodity Report was not updated this month due to a system error. The error will be corrected and the table will be updated and published next month.

Sign In Sheet
Monthly Milestone Review Meeting
July 22, 2008

NAME	ORG	MSIN	PHONE
Chris Kemp	ORP	H6-60	373-0649
Dale Black	FH TPA	H8-12	376-0740
R. Pillard	FH	H8-12	373-3285
Bob Lober	ORP	H6-60	373-7949
Nina Menard	Eco		372-7941
JEFF VOOGD	CH2M		373-4101
Paul Day	WRPS		947-0472
Gail Laws	WDOH	B1-42	946-0712
JOE CAGGIANO	ECY		372-7915
Samantha Sebar	ORP		
Beary & Wagar	PAC		373 9443
Pamela Logan	ORP	H6-60	376-0445
Alicia Hamar	ECY		372-7904
Tracy Gao	ECY		2-7901
Tanya Williams	ECY		372-7883
Brian Speer	ECY		372-7985
Gary Olsen	ORP	H6-60	438-4707
Howard Budweg	ORP	H6-60	205-7338