

Office of River Protection

Tri-Party Agreement
Manager Milestone Review Meeting
March 25, 2008



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

February 2008

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Sign In Sheet
Monthly Milestone Review Meeting
March 25, 2008 - ORP

NAME	ORG	MSIN	PHONE
Woody Russell	DOE-ORP		373-5227
Steve Pfaff	DOE-ORP		438-0417
Bob Lobe	DOE-ORP		873-7949
Betty Wiegman	DOE-ORP		373-9443
Jay Wong	CHAM		373-4101
Jeff Lyon	Ecology		372-7914
Roger Quintaro	DOE-ORP		373-8421
Mike Barnes	Ecology		372-7927
JOHN LONG	DOE-ORP		376-5416
Lori Huffman	ORP		376-0104
Carbin Babel	ORP		373-9281
Felix Miera	CH2MHILL		376-7034
Ed Fredenburg	Ecology		372-7899
Brenda Becker-Khaleel	Ecology		372-7882
Alicia Hamar	Ecology		372-7904
Tracy Guo	Ecology		372-7901
Brian Speer	Ecology		372-7985
Robbie Byani	"		372-7884
Gary Olsen	ORP		438-4707
Wahed Abdul	ORP		438-0455
Pete Funkeles	ORP		438-0472
BRUCE NICOLL	ORP		438-0456

Agenda

Office of River Protection
Tri-Party Agreement
Manager Milestone Review Meeting
2440 Stevens Center, Conference Room 1200
March 25, 2008
9:00 a.m. – 11:30 a.m.

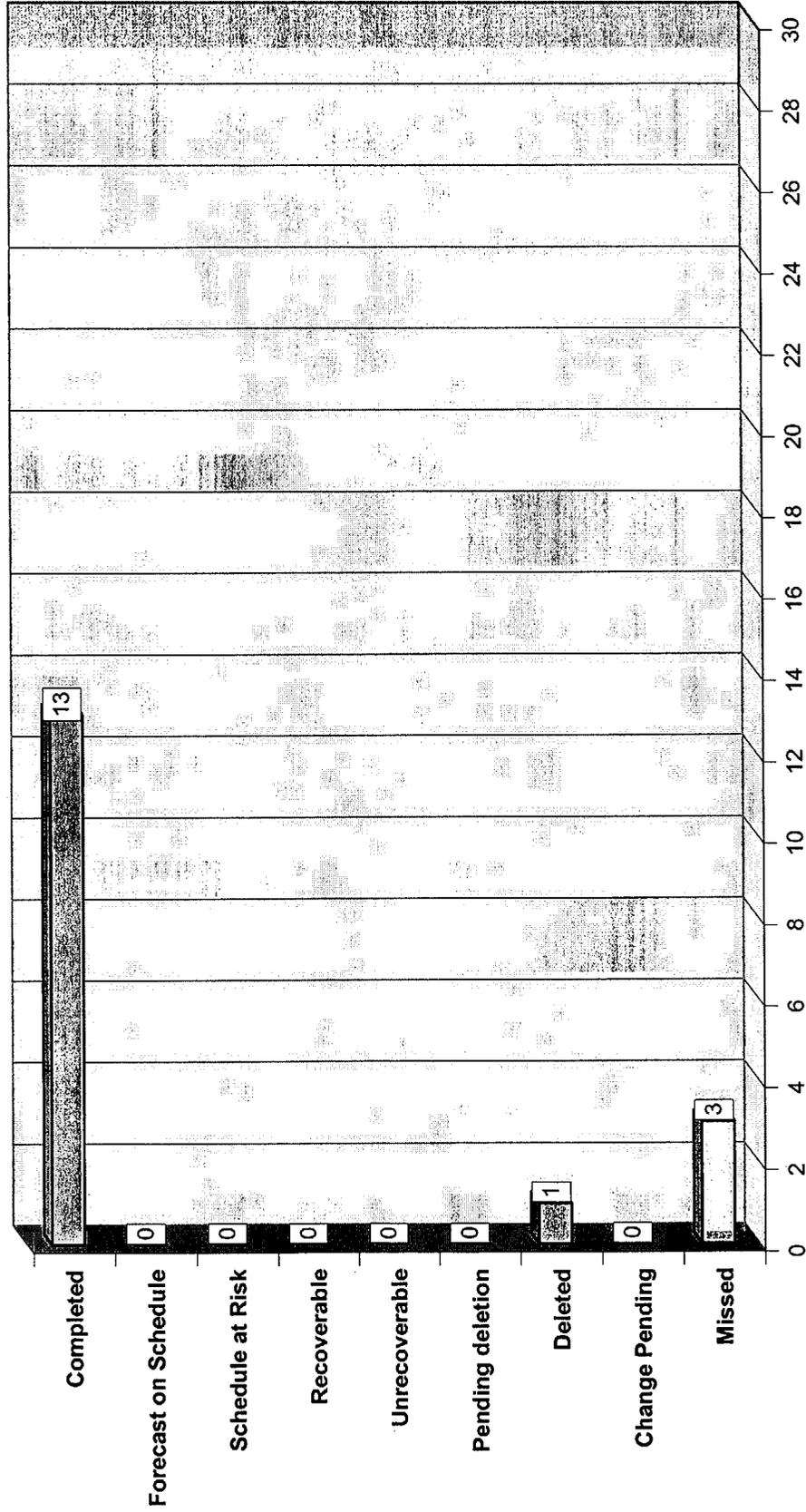
Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl / Jeff Lyon	9:00
48	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:10
51	M-45-00, Complete Closure of All Single-Shell Tank Farms	Roger Quintero / Jeff Lyon	9:30
61	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:50
62	In Tank Characterization and Summary	John Long / Michael Barnes	10:00
64	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Corbun Babel / Les Fort	10:10
66	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	10:20
	BREAK		
16	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl / Jeff Lyon	10:30
	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Ben Harp / Suzanne Dahl	10:50
70	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Suzanne Dahl	11:00

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 12/31/08 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 been 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								

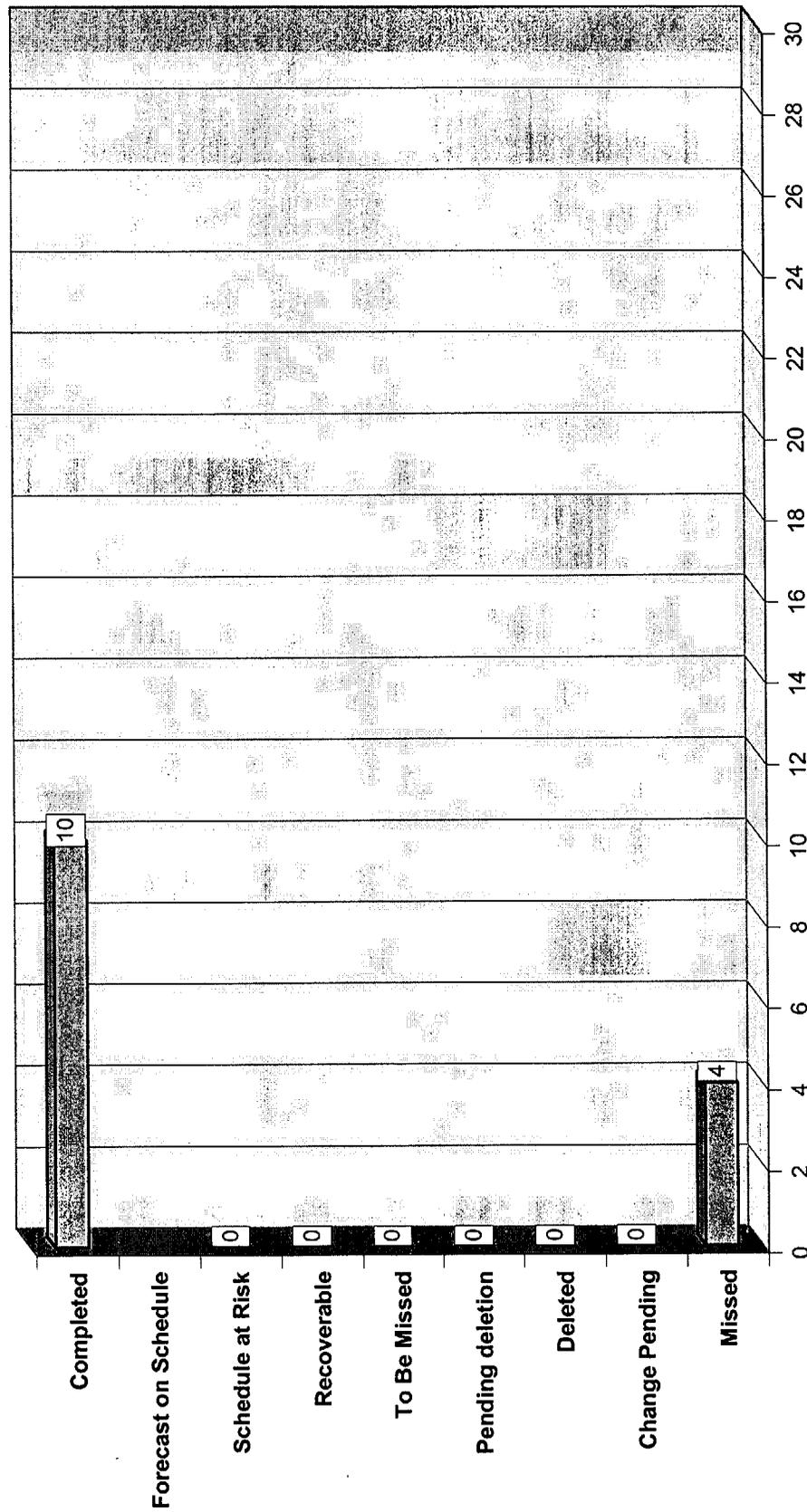
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A-C	construction of SY-B Valve Pit upgrade [see M 48-07A-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 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

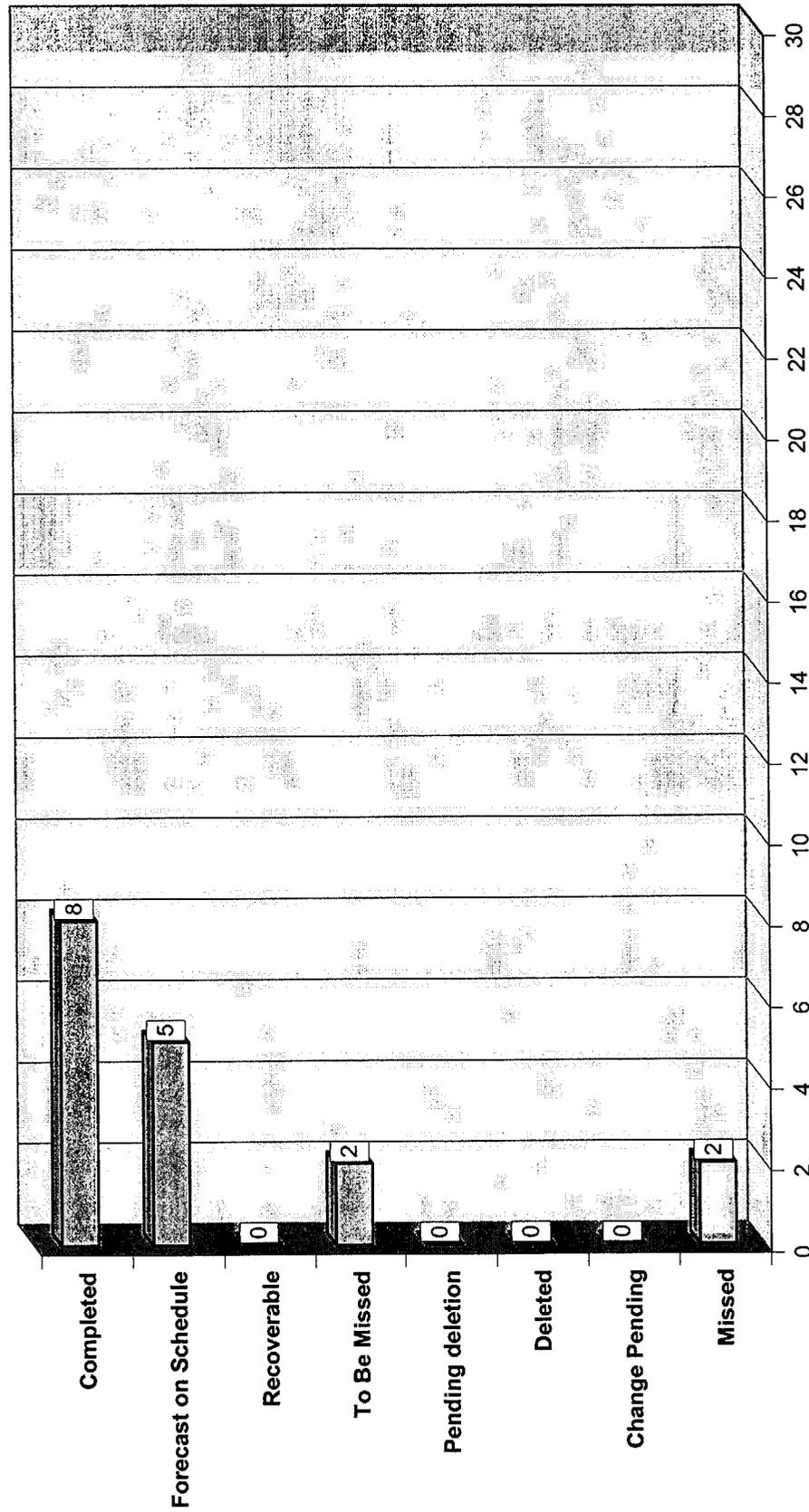
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R31	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred 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 information, and the need for the	07/31/07	07/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk					
D-001-00-R33	establishment of additional agreement interim measures. 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-062-010	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	04/30/08		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		X							
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.	07/01/08			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		Recoverable	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 FARM EARNED VALUE REPORTING

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

The company's current month (CM) schedule variance (SV) was a positive \$1.2M which increased the favorable contract-to-date (CTD) SV from \$46.9M to \$48.1M (SPI 1.07). The CM cost variance was a positive \$1.6M which increased the favorable CTD CV from \$44.5M to \$46.1M (CPI 1.07).

The CM favorable SV of \$1.2M is due to 1) Accelerated work performed for Tank C-110 Retrieval (procurement of slurry pump), C Farm Infrastructure (to support Tank C-104/AN-101 Retrieval) and Project W-314 (AW Farm Upgrades); 2) Work performed ahead of schedule for the 242-A Evaporator Upgrades (MCS and HVAC); 3) Progress taken on installation of the 222-S Laboratory Inductively coupled plasma mass spectrometer (ICP-MS) which has been behind schedule; and 4) miscellaneous minor favorable SVs for Tank Chemistry Control, DST Integrity Project and Information Resource Management (IRM). The favorable CM SV is partially offset by 1) Behind schedule on the HIHTL Disposition Project work; 2) The SV for C-109 Retrieval (this SV does not reflect a behind schedule condition as the work was completed earlier than the budget was planned in the baseline. The BCWP for work budgeted this month was earned in prior months. CTD, this work is ahead of schedule); and 3) Miscellaneous unfavorable variances for Demonstration Bulk Vitrification System (DBVS) Project Engineering During Construction (design nearly complete), behind schedule on the WFO Waste Compatibility Program (delay in buoyant displacement gas release event [BDGRE] scope for Tank C-110 Retrieval), S-102 Retrieval, and the DST Infrastructure Upgrades.

The CTD positive SV is due to 1) C-100 Tank 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) Low-Activity Waste (LAW) Treatment 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) WFO Base Operations accelerated work for cross-site transfers and the SY Farm prefabricated pump pit line replacement, as well as work completed ahead of schedule for DST to DST transfers and 242-A Evaporator campaign, all in support of SST retrievals;

6) Accelerated work for AY/AZ Farm Upgrades (AZ-102 pump replacement); 7) Accelerated work on vapor mitigation; and 8) Ahead of schedule work on the 242-A Evaporator Upgrades (MCS and supply side HVAC). These favorable CTD SVs have minor, partially offsetting unfavorable variances for 1) Closure Projects due to delays in the HIHTL Disposition Project pending a Life Extension Study and agreement with Regulators on a path forward, and delays in the 244-CR Vault work and Liquid Mitigation of Catch Tanks/Double-Contained Receiver Tanks (S-302) due to required alternate pump replacements and 2) WFO Projects due to DST Infrastructure Upgrades (delays in initiating work on SL-3160 encasement leak check and DST valve replacement); behind schedule on the AP Farm Upgrades (AP-101 jumper installation and AP-103 in-process leak check [potential deferral]); and Waste Compatibility Program for delay in BDGRE work (not needed due to delay in Tank C-110 Retrieval).

The CM CV of \$1.6M is due to cost savings and efficiencies in 1) TFC Program area including Finance, Shared Services, IRM, Manage Facilities and Property Services, Executive Management and Legal Counsel; 2) Tank C-110 (progress taken on procurement of slurry pumps and support; 3) Closure Operations SST Essential Services and Infrastructure (partially offset by labor assigned to SST Preventative Maintenance [PM]/Corrective Maintenance [CM]) backlog reduction; 4) WFO Safe Storage Surveillance and Monitoring, Essential Services, Radiological Control (Radcon) Surveys, Project Controls, Management, Training, Infrastructure and Database; 5) Tank Chemistry Control (progress taken on dye penetrate test related to AY Farm Annulus Water Intrusion); and 6) Miscellaneous other efficiencies and cost savings in Safety, Health and Quality Assurance (SH&QA), Strategic Planning and Project Controls (SP&PC) and Engineering.

Favorable CM CVs are partially offset by unfavorable variances related to 1) Unplanned costs for S-102 Retrieval and spill event investigation and cleanup; 2) C Farm Retrievals for Tanks C-104 and C-109 (C-104 HIHTL procurement costs in January 2008 for progress [BCWP] taken in December 2007, slurry pump procurement costs to be transferred from C-104 to C-110 in February 2008, and C-104/C-109 progress adjustments and additional costs due to corrective actions, Compensatory Measures and process improvements [technical evaluations, Process Hazards Analyses and Level 2 Readiness Assessment] being implemented as a result of S-102 spill event); 3) T Farm Interim Barrier costs (design, procurement, construction and weather issues); 4) Miscellaneous other variances for SST and WFO including Technical Safety Requirement (TSR)/Basic Maintenance (cost to replace sanitary water system in 272-AW Building as corrective maintenance due to a health issue), CR Vault close-out costs (pending deferral), DBVS Engineering During Construction (additional design work

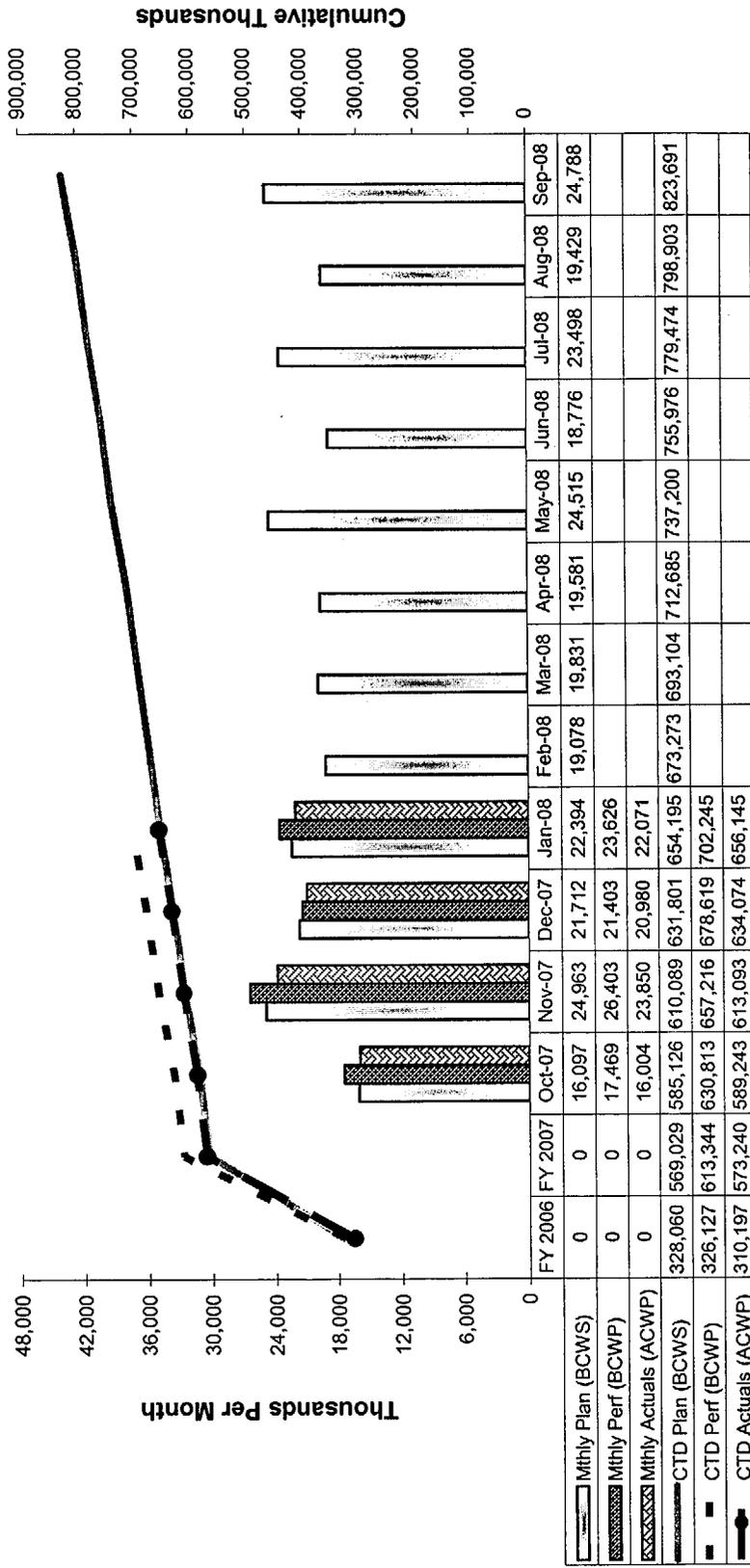
required to address lessons learned from the IDMT and changes from the Process Hazards and Operational Analysis [PRHOA] necessary to support CD-3), Project W-314 Upgrades (AP Farm and AN Farm Upgrades and Turnover for Phase 1 (MCS/MPS) and Phase 2 (electrical upgrades) work (resources to troubleshoot and as-built/document configuration), Evaporator Operations and Maintenance (due to multiple ongoing upgrades), Evaporator Upgrades (HVAC subcontractor and contaminated soil costs and MCS Upgrades, Construction Acceptance Testing (CAT), engineering for software and resolution of electrical problems) and DST Infrastructure Upgrades and Farm Upgrades Program Support.

The CTD CV of \$46.1M is due to variances for 1) Efficiencies in preparation and retrieval work for C-100 Tanks and infrastructure (Tanks C-109, C-108, C-104, 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, Manage Facilities and Property Services, Legal Counsel and Work Force Realignment and Restructure, Liquidations, Shared Services, Miscellaneous Services and Site-Wide Services; 4) WFO 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) Closure Operations Base Operations efficiencies in the Essential Services and Infrastructure accounts; 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 Fluor Hanford Inc. (FH) and less than planned sampling/analysis (core and grab) for Chemistry Control due to ongoing support to Closure Operations and WFO; and 7) Labor efficiencies and cost savings in other support functions including SH&QA (Industrial Health and Safety, Assessments, QA, Radiation Protection and Price-Anderson Amendment Act of 1988), SP&PC (Baseline Integration, Infrastructure Services, and Strategic Planning), Safe Work Environment/Personnel Readiness (Standards and Compliance), and Engineering.

These favorable CTD CVs are partially offset by unfavorable variances for 1) SST and WFO TSR/Basic Maintenance (to reduce PM and CM backlog); 2) Unplanned costs for the S-102 spill event investigation and recovery; 3) Vadose Zone due to T Farm Interim Barrier construction costs higher than baseline estimates due to design, procurement, construction and weather issues; 4) LAW

Treatment due to DBVS design labor and subcontract costs incurred in FY 2006; 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 (work completed); 7) DST Integrity Project (Tank AY-101 Ultrasonic Testing [UT] and AP Valve Pit/Evaporator Integrity Assessment costs); 8) Project W-314 (trouble-shooting, as-builting and emergent work); 9) Evaporator Upgrades (HVAC System costs due to complexity, corrective maintenance and emergent work); and 10) Chief Financial Officer-Business Services due to an early pension payment of \$11M which offsets an under-liquidation of Continuity of Service (COS) Benefits applied to salary costs.

**CH2M HILL Contract-to-Date Performance (\$000)
10/2005 - 01/2008**



CURRENT MONTH PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc. CURRENT MONTH PERFORMANCE MEASUREMENT - 01/2008 BY WORK BREAKDOWN STRUCTURE Dollars in Thousands

WBS	TITLE	Budgeted Cost		Actual Cost		Current Month			Variance		
		Work Scheduled	Work Performed	Work Performed	Work Performed	Schedule	SV %	Cost	CV %		
5.07	BASE OPERATIONS - Excluding 5.07.02	12,088.7	12,396.5	8,299.5	307.8	2.5%	4,097.0	33.0%			
5.07.02	Env/TPA Milestone Achievement	1,116.0	1,276.4	1,227.1	160.4	14.4%	49.3	3.9%			
	TOTAL BASE OPERATIONS	<u>13,204.7</u>	<u>13,672.9</u>	<u>9,526.6</u>	<u>468.2</u>	<u>3.5%</u>	<u>4,146.3</u>	<u>30.3%</u>			
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	14.9	2.3	14.9	14.9%	12.6	84.6%			
5.08.02	WTP Feed Delivery Program	644.2	644.5	602.1	0.3	0.0%	42.4	6.6%			
5.08.03	DST Retrieval Program	0.0	0.0	1.3	0.0	0.0%	(1.3)	-1.3%			
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	270.9	432.1	270.9	270.9%	(161.2)	-59.5%			
5.08.04.02	Upgrade Transfer System (E-525)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%			
5.08.05	Retrieval / Closure Program	4,489.8	4,013.9	4,059.2	(475.9)	-10.6%	(45.3)	-1.1%			
5.08.06/07	SST Retrieval East / West Area	853.9	1,820.2	3,668.1	966.3	113.2%	(1,847.9)	-101.5%			
5.08.12/13	SST Closure	28.3	28.3	32.2	0.0	0.0%	(3.9)	-13.9%			
	TOTAL RETRIEVE AND CLOSE	<u>6,016.1</u>	<u>6,792.6</u>	<u>8,797.3</u>	<u>776.5</u>	<u>12.9%</u>	<u>(2,004.7)</u>	<u>-29.5%</u>			
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	449.5	426.1	473.0	(23.4)	-5.2%	(46.9)	-11.0%			
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	63.1	61.0	43.9	(2.1)	-3.4%	17.2	28.1%			
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	285.9	112.4	628.6	(173.5)	-60.7%	(516.2)	-459.1%			
5.09.03.01	Integrated Disposal Facility	0.0	0.0	(14.7)	0.0	0.0%	14.7	14.7%			
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	<u>798.5</u>	<u>599.6</u>	<u>1,130.9</u>	<u>(198.9)</u>	<u>-24.9%</u>	<u>(531.3)</u>	<u>-88.6%</u>			
5.10	ANALYTICAL/TECHNICAL SERVICES	2,374.5	2,560.6	2,616.3	186.2	7.8%	(55.6)	-2.2%			
TFC TOTAL		<u>22,393.8</u>	<u>23,625.7</u>	<u>22,071.0</u>	<u>1,232.0</u>	<u>5.5%</u>	<u>1,554.7</u>	<u>6.6%</u>			

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 01/2008 BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

WBS	TITLE	Cumulative Contract-To-Date									
		Budgeted Cost		Actual Cost		Variance		Completion		Estimate	
		Work Scheduled	Work Performed	Work Performed	Work Performed	Schedule	SV %	Cost	CV %	Completion (BAC)*	Accelerated Scope**
5.07	BASE OPERATIONS - Excluding 5.07.02	319,291.6	320,729.7	294,228.8	1,438.1	0.5%	26,500.9	8.3%	414,933.4	3,399.2	387,002.2
5.07.02	Env/TPA Milestone Achievement	40,323.7	43,547.5	42,401.6	3,223.8	8.0%	1,145.9	2.6%	48,986.5	6,166.4	53,611.8
	TOTAL BASE OPERATIONS	359,615.3	364,277.2	336,630.4	4,662.0	1.3%	27,646.8	7.6%	463,919.9	9,565.6	440,614.0
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	283.3	211.6	283.3	283.3%	71.7	25.3%	0.0	298.2	1,125.0
5.08.02	WTP Feed Delivery Program	16,954.3	16,954.3	15,153.6	0.0	0.0%	1,800.7	10.6%	22,019.8	0.0	19,698.2
5.08.03	DST Retrieval Program	1,676.3	1,984.2	2,231.1	307.9	18.4%	(246.9)	-12.4%	1,676.3	1,338.9	2,515.4
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	7,280.0	8,165.7	4,414.2	154.0%	(885.6)	-12.2%	2,865.8	7,892.0	10,016.7
5.08.04.02	Upgrade Transfer System (E-525)	2,712.4	2,712.4	2,982.8	0.0	0.0%	(270.4)	-10.0%	2,712.4	0.0	2,982.8
5.08.05	Retrieval / Closure Program	117,550.6	114,296.9	108,712.2	(3,253.8)	-2.8%	5,594.6	4.9%	148,974.5	0.0	142,483.3
5.08.06.07	SST Retrieval East / West Area	47,306.9	75,018.6	69,273.2	27,711.8	58.6%	5,745.4	7.7%	52,240.1	60,276.9	88,332.8
5.08.12.13	SST Closure	879.4	879.4	863.9	0.0	0.0%	15.4	1.8%	1,101.8	0.0	1,139.2
	TOTAL RETRIEVE AND CLOSE	189,945.6	219,409.0	207,594.1	29,463.5	15.5%	11,814.9	5.4%	231,590.7	69,806.0	268,293.4
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	10,369.4	10,350.5	8,484.5	(18.9)	-0.2%	1,866.1	18.0%	13,904.0	0.0	11,274.9
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	1,653.7	1,653.6	1,623.6	(0.1)	0.0%	30.1	1.8%	2,150.2	0.0	2,041.3
5.09.02.05/11	Bulk Vittrification System (BVS) Project	27,628.3	41,669.4	44,713.6	14,041.1	50.8%	(3,044.2)	-7.3%	28,231.4	13,841.8	45,851.5
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,351.5	0.0	0.0%	1,781.4	25.0%	7,132.9	0.0	5,351.5
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	46,893.7	60,915.9	60,273.8	14,022.2	29.9%	642.1	1.1%	51,527.8	13,841.8	64,619.9
5.10	ANALYTICAL/TECHNICAL SERVICES	57,740.2	57,642.9	51,646.5	(97.3)	-0.2%	5,996.4	10.4%	76,652.5	0.0	69,341.2
	TFC TOTAL	654,194.7	702,245.0	656,144.7	48,050.3	7.3%	46,100.2	6.6%	823,690.9	93,213.4	942,668.6

BAC
Adjusted Total with Accelerated Scope

* 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).

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	12,088.7	12,396.5	8,299.5	307.8 2.7%	4,097.0 33.0%	
CTD	319,291.6	320,729.7	294,228.8	1,438.1 0.5%	26,500.9 8.3%	414,933.4

Note (All tables): Dollars in thousands.

SCHEDULE VARIANCE

Description and Cause: The CTD SV is due to 1) Accelerated work completed on characterization for vapors solutions (T and U Farms) and AY/AZ Upgrades (AZ-102 supernate pump replacement required to support AZ-102 blending transfers) and 2) Work completed early (ahead of schedule) on Evaporator Upgrades (MCS and supply side HVAC upgrades). These favorable variances are partially offset by unfavorable variances for 1) DST Infrastructure Upgrades (DST Valve Assembly Upgrades and deferral of SLL-3160 Encasement leak check/line repair [low priority]); 2) AP Farm Upgrades (AP-101 jumper installation [behind schedule] and AP-103 in-process leak check [potential deferral]); and 3) WFO Waste Compatibility Program (deferral of BDGRE work [not needed due to delay in Tank C-110 Retrieval]).

Impact: Re-prioritization and re-planning of some work required.

Corrective Action: The SV will continue for accelerated work. The Tank C-110 BDGRE work and SL-3160 Encasement leak check/line repair scope have been identified as potential carryover work and continue to be evaluated. The final approach to resolve the DST valve positioning issue will be addressed by pending BCR RPP-08-001.

COST VARIANCE

Description and Cause: Significant contributors to the CM favorable CV include 1) Project Support cost efficiencies including Finance (WBS distribution of previous labor rate over-liquidations and pension subcontract payment [labor debit and non-labor or subcontract credit]), IRM (efficiencies in Requirements Management and Desktop Support), Standards and Compliance, Manage Facilities and Property, RPP Baseline Integration Support, Legal Counsel and Production Planning and Controls; 2) Efficiencies in Essential Services (FH allocation for Shared Services) and Liquidations (more employees worked for others than anticipated in the baseline causing a favorable liquidation of labor); and 3) Efficiencies in Base Operations for Tank Chemistry Control (progress taken on the dye penetrate test for AY Farm Annulus Water Intrusion); Tank Waste Sampling (labor costs and crane and rigging less than planned for core and

grab samples) and other areas (Engineering Program, Radiation Protection Program, Industrial Health and Safety/(HASP), Environmental Health Program, and WFO Essential Services).

The favorable CM variances are partially offset by minor unfavorable variances in 1) Base Operations for WFO TSR/Basic Maintenance (pass-backs for pension subcontract payment and overtime for winterization); and 2) Other Mission Support for Evaporator Upgrades (HVAC System subcontractor construction costs including contaminated soils, increased level of CAT and engineering support necessary to develop the software documentation for the MCS Upgrade), and variances in Farm Upgrades Program Support and DST Infrastructure Upgrades.

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 (RL) service assessment pool Allocation, and miscellaneous services) and liquidation of 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, Radiation Protection Program, Tank Waste Sampling, Engineering Program, Industrial Health and Safety/HASP, QA Program, Assessments, Price-Anderson Amendment Act of 1988 Program, WFO Essential Services, WFO Facilities Operations Management, WFO Bargaining Unit Training and Nuclear Operations Program Management); 3) Ongoing efficiencies in Project Support (RPP Baseline Integration Support, IRM, TFC Executive Management, Legal Counsel, Manage Facilities and Property Services and Standards and Compliance); 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 unfavorable variances related to WFO TSR/Basic Maintenance (efforts to reduce the PM/CM backlog and support to S Farm 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 Radcon Surveys (FY 2006 costs for additional surveillances/routines on overtime and additional laboratory costs incurred); Environmental Health Program costs (vapors sampling support and Advanced Technologies and Laboratories International, Inc. (ATL) Readiness to Serve adder); Labor Relations (subcontractor support to Hanford Atomic Metal Trades Council Contract negotiations and ratification); Procurement and Contracts costs (work performed on the Marshalling Yard and Connector Road Improvements); Finance (early pension payment of \$11M was made in September 2007 which offset CTD under liquidations of COS Benefits applied to salary costs); and Evaporator Upgrades (for HVAC System subcontractor costs and MCS software development).

Impact: None.

Corrective Action: The early pension payment will be recovered by the application of a reduced COS rate on FY 2008 labor. The favorable CVs are expected to continue for the ongoing level of effort Support and Base Operations accounts. The unfavorable CVs for completed work are not recoverable. Selected work is being reprioritized to meet mission objectives for the remainder of the Contract period and may result in some deferral of low priority activities.

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 Tri-Party Agreement (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	1,116.0	1,276.4	1,227.1	160.4 14.4%	49.3 3.9%	
CTD	40,323.7	43,547.5	42,401.6	3,223.8 8.0%	1,145.9 2.6%	48,986.5

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the threshold of ± 10 percent or \$1M. The CTD favorable SV is due 1) Accelerated work (planned outside the contract period in the baseline) completed for Cross-Site Transfers and the SY PPP Line Replacement, both in support of tank retrievals and 2) Work completed early (ahead of schedule) for DST to DST Transfers (supports tank retrievals, Evaporator and tank level increases) and 242-A Evaporator Campaign 08-01.

Impact: None.

Corrective Action: None required.

COST VARIANCE

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

The CTD favorable CV is due to 1) Efficiencies in completing DST to DST Transfers (labor and planning package efficiencies); 2) Cross-Site Transfers (labor efficiencies); 3) DST Facility Upgrades Project Management (level of effort [LOE] efficiencies); and 4) The Environmental Support and Assessment Program (LOE efficiencies). Favorable CVs are partially offset by unfavorable variances for 1) The DST Integrity Project (AP Valve Pit Integrity Assessment, AY-101 and AN-107 UT, Independent Qualified Registered Professional Engineer services and DST Infrastructure Integrity Assessment); 2) Catch Tank Pumping (isolation of UX-302-A and ER-311); 3) SY PPP Line Replacement (change in design and weather impacts); and 4) Increase Specific Gravity costs.

Impact: None.

Corrective Action: Lessons learned on the AP Valve Pit integrity work has been incorporated into ongoing work with notable improvements. BCR RPP-08-002 is in process to address scope and assessment requirements associated with DST System Structural Analysis.

**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	14.9	2.3	14.9 14.9%	12.6 84.6%	
CTD	0.0	283.3	211.6	283.3 283.3%	71.7 25.3%	0.0

SCHEDULE VARIANCE

Description and Cause: 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 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 Hanford Tank Waste Operations Simulator model.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	644.2	644.5	602.1	0.3 0.0%	42.4 6.6%	
CTD	16,954.3	16,954.3	15,153.6	0.0 0.0%	1,800.7 10.6%	22,019.8

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to ongoing cost efficiencies in level of effort labor for WFO Project Controls (improved systems, organizational realignment and co-location to improve performance); Startup and Testing (use of direct staff instead of subcontracted labor and reduced material usage); and Tank Waste Database Support (staff reductions). Favorable CV partially offset by unfavorable CV for Office of VP Project Delivery (additional unplanned DBVS staff assigned to manage ERP 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	1.3	0.0 0.0%	(1.3) -1.3%	
CTD	1,676.3	1,984.2	2,231.1	307.9 18.4%	(246.9) -12.4%	1,676.3

SCHEDULE VARIANCE

Description and Cause: 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 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	270.9	432.1	270.9 270.9%	(161.2) -59.5%	
CTD	2,865.8	7,280.0	8,165.7	4,414.2 154.0%	(885.6) -12.2%	2,865.8

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to cost overruns to complete the AP Farm Upgrades (construction and Engineering effort for troubleshooting and Engineering to update and as-built project and facility documents), costs associated with the AN HVAC exhausters testing, the Phase 1 Startup, Testing and Turnover of the MPS/MCS due to increased labor required for Engineering support to bring the system on-line, debugging of programming and test bed setup and the Phase 2 Startup, Testing and Turnover associated with the AN and AW Farms HVAC Exhausters. The CTD CV is due to unfavorable variances on the AP Upgrades (construction and Engineering effort for troubleshooting and Engineering to update and as-built project and facility documents), costs to complete the AW Upgrades (FY 2007 costs for emergent construction activities on the encasement leak detectors), SY Upgrades (pit upgrades performed in FY 2006 and increased scope to complete the Upgrades [differing field conditions, troubleshooting and CAT]), increased cost of the Phase 1 Startup, Testing and Turnover of the MPS/MCS due to increased labor required for Engineering support to bring the system on-line, debugging of programming and test bed setup.

Unfavorable CV is partially offset by efficiencies in Phase 2 Startup, Testing and Turnover, and Project Support.

Impact: None.

Corrective Action: Work is being reprioritized to support the mission objectives for the remainder of the Contract period. Completion of the Phase 1 MPS/MCS Startup, Testing and Turnover may be deferred.

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	0.0	0.0 0.0%	0.0 0.0%	
CTD	2,712.4	2,712.4	2,982.8	0.0 0.0%	(270.4) -10.0%	2,712.4

SCHEDULE VARIANCE

Description and Cause: No work has been performed on Project E-525 in the FY 2007 and FY 2008 period. The CTD SV is within the threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD unfavorable CV is due to cost overruns on construction of COBs and the SY-Farm Transfer Line Backfill (work performed on supplied air which 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	4,489.8	4,013.9	4,059.2	(475.9) -10.6%	(45.3) -1.1%	
CTD	117,550.6	114,296.9	108,712.2	(3,253.8) -2.8%	5,584.6 4.9%	148,974.5

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to behind schedule condition on the HIHTL Disposition Project (work was delayed pending preparation of a Life Extension Study and agreement with State Regulators on a path forward and schedule) and minor behind schedule condition on the T Farm Interim Barrier.

The CTD unfavorable SV is due to behind schedule condition on 1) HIHTL Disposition Project (work delayed pending preparation of a Life Extension Study and agreement with State Regulators on a path forward and schedule); 2) 244-CR Vault (work deferred) and Liquid Mitigation of Catch Tanks/double-contained receiver tanks (DCRTs) (field work delayed pending procurement and installation of an alternate retrieval pump); and 3) T Farm Interim Surface Barrier (design completed behind schedule and procurement/construction taking longer than expected due to scope and weather issues). Unfavorable CTD SV is partially offset by favorable variance for Vadose work ahead of schedule (direct push sampling and SGE).

Impact: Re-planning of some work will be required.

Corrective Actions: Based on negotiations with Regulators and the Life Extension Study, the HIHTL Disposition Project work for FY 2007 – FY 2009 is being re-planned via pending BCR RPP-08-005 (S Farm HIHTL Disposition work will be performed in FY 2008 and U Farm work will be deferred to FY 2009). S Farm Engineering and planning work has started to investigate and survey the S Farm Pits and lines. An alternate pump was delivered in January 2008.

The T Farm Interim Barrier work is forecast to be completed by the end of March 2008, weather permitting.

The Liquid Mitigation of Catch Tanks/DCRTs fieldwork has resumed with S-302 solids analysis and redesign work to install the alternate pump which was delivered in January 2008.

Remaining CR Vault work is being deferred to FY 2009 via BCR RPP-08-005.

COST VARIANCE

Description and Cause: The CM CV is within the threshold of ± 10 percent or \$1M. 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 (lower than projected support required); and 4) Miscellaneous other cost efficiencies and savings in Grand Junction Gamma Logging, Tank Farms Risk Assessments (efficient use of in-house staff instead of subcontractors as planned), Retrieval Technology Development, CTF Management and Maintenance (lower share of cost as other programs used the facility) and Liquid Level and Video Assessment (under-runs on completed work).

The favorable CTD CVs are partially offset by unfavorable variances for 1) SST TSR Basic Maintenance (higher than expected costs being incurred to complete basic PMs/CMs; 2) 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 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); and 3) Closure Operations Office of the VP (unplanned purchase of spare cameras and unplanned costs for vapor sampling for chemicals of concern).

Impact: T Farm Interim Surface Barrier costs at completion will exceed the budget.

Corrective Action: Measures have been implemented to reduce the costs on the remaining T Farm Interim Surface Barrier construction work (streamlined the management structure, implemented weather enclosure to apply polyurea in bad weather, optimized staff and started lessons learned which will be applied to future potential interim barrier work. Work is now forecast to complete by the end of March 2008, weather permitting.

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	853.9	1,820.2	3,668.1	966.3 113.2%	(1,847.9) -101.5%	
CTD	47,306.9	75,018.6	69,273.2	27,711.8 58.6%	5,745.4 7.7%	52,240.1

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to accelerated work performed on the Tank C-110 Retrieval and C Farm Infrastructure design and construction. This CM favorable SV is partially offset by an unfavorable SV for Tank C-109 Retrieval (however, this SV does not reflect a behind schedule condition as the work was completed earlier than the budget was planned in the baseline. CTD, this work is ahead of schedule. The BCWP for work budgeted this month was earned in prior months when the work was completed early).

The CTD favorable SV is due to accelerated work performed on retrieval of Tanks S-102, C-104, C-110 and C Farm Infrastructure; and 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 for work ahead of schedule by the end of FY 2008.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) Tank C-104 Retrieval for procurement of Hose-in-Hose Transfer Lines (costs billed in January for fabrications delivered and progress [BCWP] taken in December), procurement costs for slurry pumps (some costs to be transferred to C-110 Retrieval in February), and design and construction progress (adjusted to account for impacts of Compensatory Measures and corrective actions resulting from the S-102 spill event); 2) Tank C-109 Retrieval Hard Heel Removal (cost impacts associated with Compensatory Measures and corrective actions, overtime worked, and issues with design and fabrication of the riser plug gauge; CTD, this Retrieval has a positive CV); 3) Unplanned costs for the Tank S-102 leak event investigation and cleanup, and 4) Unplanned costs for Tank S-102 Retrieval (Value Engineering Study and cost to evaluate alternatives and a remaining retrieval path forward; CTD, this Retrieval have a positive CV). Unfavorable CV is partially offset by favorable CV for Tank C-110 Retrieval (progress taken on procurement of the slurry pumps and support; some costs will be transferred from C-104 to C-110 in February 2008).

The CTD favorable CV is due to efficiencies on Retrieval of Tanks C-104, C-108, C-109, C-110, S-102, S-112 and S-109 (partial retrieval). The favorable CTD CV is partially offset by overruns on Tank C-103 Retrieval (equipment problems and increased sampling), Tanks C-201-204 Retrievals (equipment issues), C Farm Infrastructure and unplanned costs for S-102 leak event investigation, corrective action plan and cleanup.

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 and process improvements (technical evaluations, Process Hazards Analyses and Level 2 Readiness Assessments).

Corrective Action: Continued acceleration of C-104 and C-110 Hard Heel Removal using the FOLDTRACK® MRT will help minimize the unfavorable cost impacts from the S-102 spill event.

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	28.3	28.3	32.2	0.0 0.0%	(3.9) -13.9%	
CTD	879.4	879.4	863.9	0.0 0.0%	15.4 1.8%	1,101.8

SCHEDULE VARIANCE

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

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to minor costs incurred for Tank S-112 Interim closure. The CTD CV is within the 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, 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	449.5	426.1	473.0	(23.4) -5.2%	(46.9) -11.0%	
CTD	10,369.4	10,350.5	8,484.5	(18.9) -0.2%	1,866.1 18.0%	13,904.0

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to IDF Operations increased costs for planned planting of sagebrush and completion of safety initiatives. The unfavorable CV is partially offset by Infrastructure Services Phase 1 (reduced electrical usage at the WTP), labor efficiencies in Supplemental Treatment Strategic Planning and Immobilized Low-Activity Waste (ILAW) Baseline Management.

The CTD favorable CV is due to efficiencies in the aforementioned Strategic Planning and WTP electrical usage as well as underruns in the ILAW (Baseline Management, Systems Definition and Performance Assessment). The favorable 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.

Corrective Action: None required.

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.

	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 threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: 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	63.1	61.0	43.9	(2.1) -3.4%	17.2 28.1%	
CTD	1,653.7	1,653.6	1,623.6	(0.1) 0.0%	30.1 1.8%	2,150.2

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to efficiencies in Pretreatment Project Management 200W. The CTD CV is within the 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	285.9	112.4	628.6	(173.5) -60.7%	(516.2) -459.1%	
CTD	27,628.3	41,669.4	44,713.6	14,041.1 50.8%	(3,044.2) -7.3%	28,231.4

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to DBVS Engineering During Construction (budget this month for progress taken earlier on final redesign which is 85 percent complete; CTD, effort is ahead of schedule). CTD favorable SVs are due to accelerated work performed on the DBVS Project to support resolution of the ERP issues/final design (IDMT, Molten Ionic Salts and CD-2) and minor favorable variances for DBVS Engineering During Construction (Architect-Engineer progress on work planned in FY 2008 for redesign to support CD-3).

Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to final costs received on the DBVS Technology Development Integrated Dryer Melt Test (work is completed) and cost overruns on the DBVS Engineering During Construction (additional design work required to address lessons learned from the IDMT and changes from the PRHOA necessary to support CD-3; and Architect-Engineer resources peaking in January 2008 to finalize design changes and start assembly of the design packages). The CTD unfavorable variance 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 the recent DBVS Technology Development work for the IDMT.

Impact: The CTD CV for completed work is not recoverable. Additional funding is required for follow-on testing to optimize mixer/dryer prill/pellet production.

Corrective Action: Sources of additional funding are being investigated for modest testing program in FY 2009.

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	(14.7)	0.0 0.0%	14.7 14.7%	
CTD	7,132.9	7,132.9	5,351.5	0.0 0.0%	1,781.4 25.0%	7,132.9

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to minor redistribution of previous labor Continuity of Service (COS) over-liquidation. 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 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	2,374.5	2,560.6	2,616.3	186.2 7.8%	(55.6) -2.2%	
CTD	57,740.2	57,642.9	51,646.5	(97.3) -0.2%	5,996.4 10.4%	76,652.5

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM favorable CV is within the 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 steam assessment); 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 resulting in 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.

The ATL Readiness to Serve positive CV is attributed to a re-distribution of costs between readiness to serve and other sampling. However, increased ATL costs are forecasted in FY 2008 due to reduced support to FH and increases in staffing levels. The projected costs in FY 2008 are significantly higher than the budget.

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 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 resulting in the billing of ATL waste handling costs to the end users being less than planned).

Impact: None.

Corrective Action: None required.

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

I. Near-Term Deliverables:

- **M-45-55-T04, Submit to Ecology for review and comment a draft of the A-AX, C, and U Field Investigation Report.**

Due: 04/30/06

Status: Deleted. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007. Reports were issued in December and will also be included as appendices to the Phase 1 RCRA Field Investigation RFI report.

- **M-45-55, Submit to Ecology for review and approval as an Agreement primary document a Phase 1 RFI report integrating results of data gathering activities and evaluations for WMAs S-SX, T, TX-TY, A-AX, B-BX-BY, C, and U; and related activities, including groundwater monitoring and impacts assessment using Hanford Site groundwater models, with conclusions and recommendations.**

Due: 01/31/08

Status: Completed, ORP letter 08-TPD-003.

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

- **M-45-56, Complete Implementation of Agreed to Interim Measures.**

Due: 07/31/08

Status: On Schedule.

- **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:

- The T-Farm interim barrier is being constructed. The sloped base of the barrier is complete, the run-off channel configured, and the infiltration area prepared. Geotextile anchor trenches are being excavated. Approximately 43,400 square feet of barrier has been sprayed.
- Initiated direct push work at C WMA. Eight initial exploration holes have been driven and logged. Sample horizons have been identified. Nineteen vertically separated samples have been collected from three locations and forwarded for laboratory analyses. Rapid turn-around analyses have shown that ⁹⁹Tc activity is less than detectable and that NO₃ concentrations are above background but consistent across the WMA.
- The TX and TY geophysics work is proceeding: analysis of well-to-well resistivity survey has been completed, and 41 of 47 surface to surface lines have been collected.
- TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

III. Significant Planned Actions in the Next Six Months:

- Complete construction of the interim surface barriers at T-106.
- Issue the FY07 annual vadose zone monitoring report for the T-Farm interim barrier.
- Complete SGE data collection, analyze data and prepare a report for WMA TX-TY.
- Initiate investigation of UPR-200E-81 using direct push.
- Comment disposition workshops will continue on the initial SST-PA.
- Initiate construction of a groundwater monitoring and vadose zone sampling well in the BX Tank Farm.
- Complete the WMA C data quality objectives.

IV. Issues

- Drilling subcontractors are in short supply due to other on-site activities.

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.
- Completed testing of FoldTrak vehicle at Cold Test Facility.

III. Significant Planned Activities in the Next Six Months

- Reach resolution on missed M-45-00B and M45-00C milestones.
- Complete testing of FoldTrack at Cold Test Facility.
- Perform readiness assessment to resume C-Farm retrievals.
- Deploy FoldTrak in C-109 and resume retrieval (04/29/08).
- Deploy FoldTrak in C-108 and resume retrieval (07/21/08).
- Continue construction for C-104 retrieval system and start retrieval.
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP and obtain Ecology approval.
- Complete comment resolution on the C-110 TWRWP and obtain Ecology approval.
- Revise leak detection monitoring sections of approved TWRWPs and obtain Ecology approval.

IV. Issues

- The C-110 and MRS TWRWPs have not been approved by Ecology. ORP submitted document updates for both TWRWPs 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. DOE, Ecology, and EPA began TPA negotiations in May 2007, to address these and other milestones.

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	3/14/08	7/14/08	5/14/08	8/25/08	4/8/09	3/8/09	2/17/10
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	Complete	Complete	Complete	7/21/08	9/22/08	8/1/08	7/28/09
C-109	Complete	Complete	Complete	4/29/08	6/24/08	4/4/08	7/20/09
C-110 ^{bc}	4/19/08	9/30/08	6/17/08	12/14/08	7/10/09	11/3/08	4/21/10
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 stated performance baseline as of 2/29/08 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-45-02M, Submit Biennial Updates 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 Within 60-days**
Due: 3/1/06 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: Complete.
- **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-45-02M 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-45-02O, 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

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

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IV. Issues

- None

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES**Tank 241-C-106****I. Deliverables**

- **M-45-05H, Interim Completion of Tank C-106 SST Waste Retrieval and Closure Demonstration Project**
Due: 6/30/04
Status: Completed
- **M-45-05L-T01, Complete Full-Scale C-106 Waste Retrieval**
Due: 11/1/03
Status: Completed
- **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: Completed

II. Significant Accomplishments

None.

III. Significant Planned Activities in the Next Six Months

- Submit C-106 Appendix H document revisions to NRC to complete their review of the C-106 exception request (concurrent courtesy transmittal to Ecology and EPA).
- Continue SST PA comment resolution with Ecology and EPA.

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 June 2009.

Tank 241-S-102**I. Deliverables**

- **M-45-05C, Complete S-102 Initial Waste Retrieval Project Construction (to Include all Physical Systems Including Those Necessary for Leak Detection, Monitoring, and Mitigation)**

Due: 3/31/04
Status: Completed

- **M-45-06C, Submit a Certified S-102 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide Hazardous Waste Facility Permit to Ecology**

Due: 9/30/04
Status: Completed

- **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, Imbedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**

Due: 6/30/11
Status: On schedule

- **M-45-15B, Imbedded 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, Imbedded 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, Imbedded 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

- Completed removal of above grade equipment in preparation for removal of contaminated soil.
- Began removing contaminated soil. Initiated value engineering study to develop technical approach for completing S-102 retrieval.

III. Significant Planned Activities in the Next Six Months

- Recover from the waste leak of July 27, 2007 (including removal and disposal of contaminated equipment and soil).
- Resume retrieval in FY-09.

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 and recovery actions started immediately.

Tank 241-S-112

I. Deliverables

- **M-45-06B, Submit a Certified S-112 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide Hazardous Waste Facility Permit to Ecology**
Due: 9/30/04
Status: Completed.
- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
Due: 6/30/05
Status: Completed.
- **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, Imbedded 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, Imbedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank.**

Due: 12/31/07

Status: Completed (ORP letter, 07-TPD-066, dated 12/21/07). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007

- **M-45-13C, Imbedded 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, Imbedded 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 will be impacted by the recent spill at this tank.

II. Significant Accomplishments:

Retrieval of Tank S-112 complete.

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 February 1 – February 29, 2008

I. Accomplishments:

- Data report RPP-RPT-364349, Rev. 0, Final Report for contaminated Soil samples at Tank 241-S-102 in Support of the Type A Investigation of the Tank Waste Spill, was issued on February 15, 2008.
- Data report RPP-RPT-36302, Rev. 0A, Final Report for Samples of Herbicide Used in the Vicinity of Tank 241-S-102 in Support of the Type A Investigation of the Tank Waste Spill, was issued on February 25, 2008.
- Completed the analytical data (revision 0) review of the herbicide used in the vicinity of Tank 241-S-102 , on February 18, 2008.
- Completed headspace vapor sampling of Tank 241-A-350 on February 25, 2008.

II. Planned Action within the next Six Months:

Tank Sampling

- Tank 241-AP-108 core corrosion samples scheduled for March 2008.
- Tank 241-AP-103 core samples scheduled for May 2008.
- Tank 241-AY-101 core samples scheduled for March 2008.
- Tank 241-S-102 headspace vapor sample scheduled for March 2008.
- Tank 241-S-102 liquid sample scheduled for April 2008.
- Tank 241-S-102 liquid sample scheduled for April 2008.
- Tank 241-AN-106 post 241-C-109 retrieval sampling scheduled for June 2008.

BBI Updates

- Seven tank updates were completed for the second quarter of FY 2008. The updates were published to the BBI on February 11, 2008.
- The radioisotope decay-corrected date was updated from 1/1/2004 to 1/1/2008 for all 177 tanks. The updates were published to BBI on February 29, 2008.

DQOs

- Complete Evaporator DQO, Rev. 5 in August 2008.
- Complete SST Component Closure DQO, Rev 4 in March 2008.
- Complete Compatibility DQO, Rev. 13 in July 2008.
- Complete Chemistry Control DQO, Rev. 9 in June 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-47-02, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first high-level waste feed to the Pretreatment/Treatment Complex.**

Due: 03/31/09

Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

- **M-47-04, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first low-activity waste feed to the pretreatment/treatment complex. Installation of the pump will not be required until necessary to support WTP waste feed activities.**

Due: 03/31/09

Status: Complete. Ecology letter dated 10/18/07 acknowledges completion of milestone.

- **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: At Risk. 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 close-out 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 (09-01)	AP-101/AP-105	AP-104	Planning is underway to accelerate the FY09 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaigns 08-CR and 08-02 (acceleration of 10-01).
FY08	08-02 (10-01)	AP-101/AP-105	AP-104/AP-101	Planning is underway to accelerate an FY10 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaign 08-01 (acceleration of 09-01).
FY09	TBD	TBD	TBD	Detailed planning for FY09 and outyear campaigns subject to retrieval activities and contract requirements.

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-20-56, Submit Canister Storage Facility Part B Permit Application**
Due: 6/30/03
Status: **Complete.**
- **M-20-57, Submit ILAW Disposal Facility Certified Part B Permit Application to Ecology**
Due: 6/30/03
Status: **Complete.**
- **M-90-09-T01, Complete Detailed Design of ILAW Disposal Facility Critical Systems to 80%**
Due: 5/30/03
Status: **Complete.**
- **M-90-08, Initiate ILAW Disposal Facility Construction**
Due: 2/28/05
Status: **Complete.**
- **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 renegotiated to align with WTP schedule.

II. Significant Accomplishments:

- "Pre-active life" surveillance and monitoring has been implemented in accordance with the IDF Permit modification. Results to date indicate the IDF is performing in accordance with the approved design.

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.
- By agreement between ORP and Ecology, withdrawal of the Canister Storage Facility Part B Permit Application is under consideration, due to the fact that WTP operating schedule has been pushed out and the facility will not be needed as early as previously anticipated – April 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-62-01M, Submit Semi-Annual Project Compliance Report.**
Due: 07/31/2006
Status: Completed

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

- **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 constructing 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:

- Review of the DBVS facility design changes was initiated and preparation of the revised PDSA continues.

III. Significant Planned Actions in the Next Six Months:

- Complete design review and issued final design package.
- Issue revised PDSA to ORP for review. .

IV. Issues:

- ORP formally informed Ecology that the Milestone M-62-08 due date was not achievable. The Milestone requires submittal of a Supplemental Treatment Technologies Report that provides a recommendation describing the technical and financial alternatives for selection of a technology, or a second WTP ILAW plant, which in combination with the WTP could be implemented to treat all of the Hanford tank waste. In a letter dated December 26, 2006, Ecology requested ORP provide the current state of information on the supplemental low-activity waste treatment options. ORP and CH2M HILL met with Ecology on January 11, 2007, to agree on information to be provided to satisfy the Ecology request. All information requested for the DBVS Project has been submitted. Information requested on Steam Reforming is still being worked.
- Resolution of the MIS issue was demonstrated during the integrated dryer/38D full-scale melt test. Issue closed.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Waste Treatment Plant

The project is 41.42% complete.

BNI's spend plan for FY08 is \$749M. Expenditures to date are \$199M which results in a forecasted spend forecast of \$725M. ORP and BNI track the expenditures to understand the overall progress that BNI is making in completing the contract work scope. The spend plan is a management indicator beyond project performance indicators (BCWS, BCWP and ACWP) due to the wider picture it provides regarding project progress.

	Oct-07	Nov-07	Dec-07	Jan-08
BCWS	43,396	93,184	135,015	178,645
BCWP	48,646	95,248	134,616	177,804
ACWP	54,226	111,143	160,591	208,295

The major driver for the cost variance is Engineering labor. Engineering planned to have 548 personnel but currently has 847 personnel, and there is a 10% overtime rate.

For FY08, Research and Technology is spending above their planned expenditures by \$7M.

BNI has been negotiating with their steel suppliers regarding long term supplies of structural steel. Both suppliers have stated that their prices will be higher than they were last year and that the negotiated prices will only be valid for one year. Steel prices are up due to increased global demand. These increase prices will result in a higher than budgeted cost for the Pretreatment and HLW facilities. BNI is continuing to negotiate prices with its suppliers trying to find efficiencies that could reduce the size of the price increases.

Acquisition Services baseline shows that \$184M will be committed to procurements this fiscal year. Their current forecast is \$179M. To-date for FY08, \$19M has been committed to procurements against a baseline \$50M. March is anticipated to be a large month for procurements with recovery occurring in June.

Engineering performance is being impacted by Environmental Qualification requirements for equipment. This is a recent requirement where components must be proven to remain operational in their post-accident and normal operating environment. Engineering is developing the approach for qualifying all the

HLW and Pretreatment components. This activity is limiting the ability to issue Material Requisitions for equipment.

Engineering is incurring large cost variances in a number of areas: planned revisions, design, and general training. These three areas account for \$32M in cost variances. These variances are likely to continue until Engineering is complete.

In January, the Project continued work on ORP directed actions for updating the risk register and rerunning the Monte Carlo analysis for the WTP's Management Reserve. The Monte Carlo analysis rerun effort is significant, requiring the team to re-evaluate to-go baseline work scope confidence levels for estimated quantities, pricing, and productivity, in addition to technical and programmatic risks to meeting the Contract requirements. Each existing risk on the risk register is to be re-assessed and the to-go work scope will be reassessed for emerging risks. Adding and losing risks to the risk register has been suspended, upon completion of the new Project risk assessment, the risk register will be updated for emerging risks and risk closures.

Pretreatment (PT) Facility – January 2008

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, design is 69% complete and construction is 24% complete.

Construction personnel erected all columns and major structural steel members from 0 to 28' elevation on the south side of the facility. Crews will also complete final bolting and welding necessary on the 28' elevation to support completion of concrete slab and improve access. Completion of this work is a gatepost milestone with a completion date of May 19, 2008.

The activities associated with jumpers in the hot cell are on the baseline schedule critical path. In order to ensure that jumpers are available to support the overall project schedule, BNI is developing a "Jumper/Frame Roadmap." This roadmap will evaluate issues and risks and identify mitigating strategies and critical management decisions.

Dominion Engineering, Inc. (DEI) is analyzing the data from the first in a series of erosion tests being conducted in response to the EFRT major issue M2, Mixing Vessel Erosion. DEI sent the test coupons to an independent laboratory to determine the depth of erosion. The next test is scheduled to begin in mid March 2008. Information developed from the series of tests will allow BNI to evaluate the design of vessels with pulse jet mixers to determine the adequacy of the erosion allowance. This information is needed before the vessels can be released for full fabrication.

Skid P3 (evaporator vessel) and skid U1 (off-gas and high-level waste slurry vessel) for the Pretreatment Engineering Platform (PEP) arrived in Richland in February. Three additional skids (high-level waste feed and vent stack/vacuum) are expected to arrive in early March. To date, 5 of 16 skids have been received. The final skid is scheduled to arrive in early April 2008. PEP assembly is scheduled to be complete in June 2008, and Phase 1 testing will be initiated in November 2008.

The Consortium for Risk Assessment with Stakeholder Participation (CRESP) will continue its review of the WTP effort to resolve the EFRT issue M12, "Undemonstrated Leaching Process." The M12 Issue Response Plan requires demonstration of the ultrafiltration system and associated leaching process. Specific focus of their review will be on the PEP test plan and on work to resolve EFRT issues M1 (Plugging in Process Piping) and M3 (Inadequate Mixing System). CRESP's scope is to provide independent review and input to the ORP Manager on the adequacy of available data, test plans, and testing results to support issue resolution for the WTP.

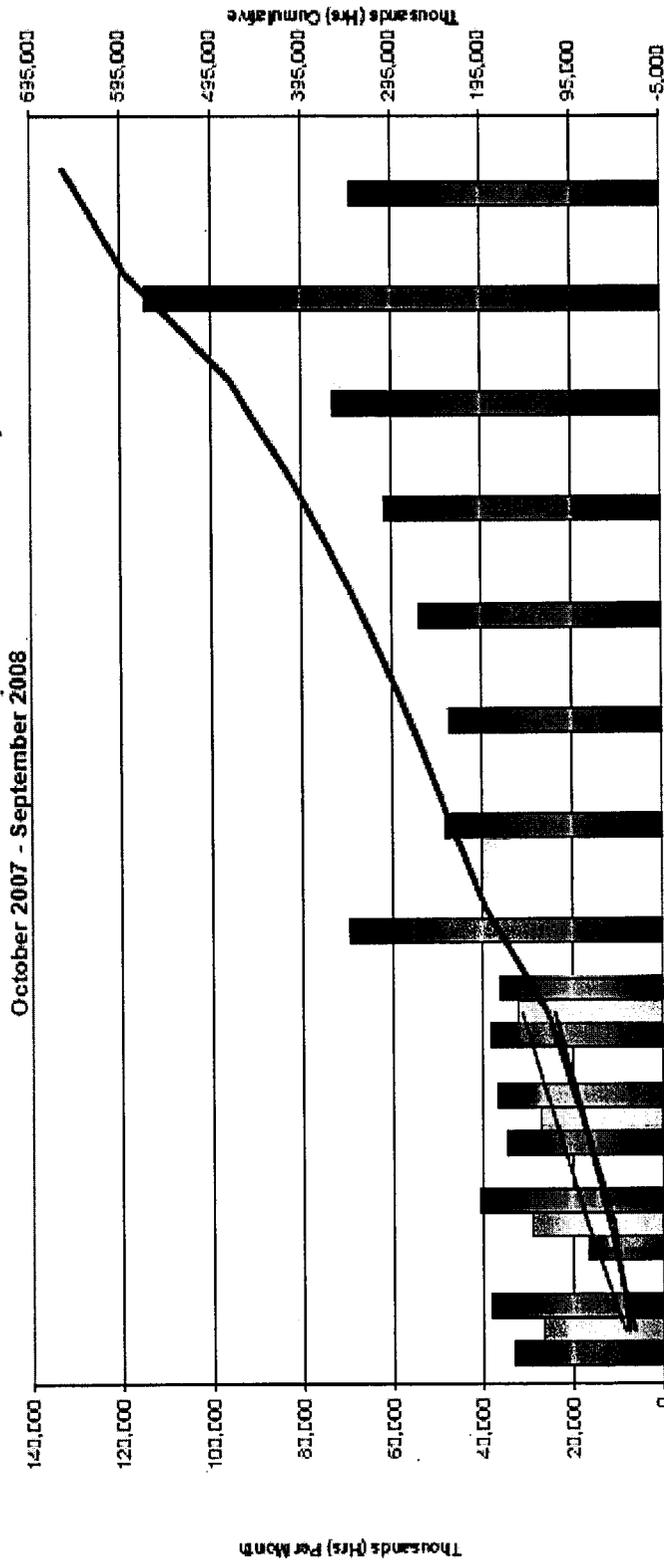
BNI is moving forward with recovery actions associated with nondestructive (NDE) testing of black cell piping. Engineering is working to release the fabricator to resume fabrication. BNI has revised the piping specification and contract documents, and prepared a drawing that contains a listing of black cell pipe spools to avoid any confusion concerning which spools must be fabricated to black cell requirements. In addition, a seamed piping report has been completed that identifies the pipe runs that are welded rather than extruded and proposes where use of welded pipe is acceptable. A Basis of Design Change Notice on the use of seamed piping and applicable requirements will be prepared once agreement has been reached with ORP.

Representatives of BNI and CH2M HILL Hanford Group, Inc. met with the Senior Management Integration Team (SMIT) to review results of an engineering study that looked at feed receipt criteria to determine if WTP and Tank Farms could accommodate proposed feed parameters included in a draft revision of the Waste Feed interface control document (ICD). It was concluded that all waste feed batches from the Tank Farms would pass the screening criteria. There is residual risk that a small percentage of waste would require blending or dilution prior to processing by the WTP. At this time, making modifications in the Tank Farms to mitigate this risk would not be appropriate but gathering additional data related to wastes characteristics during retrieval would be beneficial to making an informed decision at a later date.

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

Pre-Treatment Facility	Milestone	Scheduled	Projected
	Approve PJM Multiple Overblow Final Report	6/07	4/08
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	8/08
	Deliver the Filter Cave Shield Door to Richland	12/07	12/07 A
	Issue Structural Summary Report	2/08	12/07A
	Issue Committed Design for Cesium Resin Addition Process System	3/08	3/08
	Issue Committed Design for Waste Feed Evaporation Process System	3/08	3/08
	Issue Committed Design for Anti-Foam, Sodium Permanganate and Strontium Nitrate Reagent Systems	4/08	4/08

PT Fiscal Year to Date Performance October 2007 – September 2008 (\$ in thousands)



	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 (HECWS)	33,167	16,558	34,375	37,655	69,379	48,261	47,114	54,125	61,552	72,548	114,773	59,253
Mthly Actuals (I-ACWIP)	26,417	28,996	27,110	31,535								
FYTD Actuals (I-ACWIP)	38,005	40,405	36,521	35,691	191,427	239,489	296,602	340,731	402,283	475,231	590,004	655,067
FYTD Plan (HECWS)	33,167	46,724	84,155	122,048	191,427	239,489	296,602	340,731	402,283	475,231	590,004	655,067
FYTD Actuals (I-ACWIP)	38,005	76,430	114,951	150,933								

High-Level Waste Facility – January 2008

Construction forces continue to install rebar, sleeves, embeds and conduit on wall 1104; adjust rebar, install liners, joggles and embeds on wall 1114 and 1120; work on formwork, grillage, construction joints and sleeves on wall 1115; install rebar and embeds on wall 1117; fabricate frames for shield windows in wall 1130; work wall boxes on wall 1131; and strip forms off slab 1009. Crews continued laying out and welding stainless steel for mordenite crane rails at the -21 elevation. Construction forces also completed placing 116 cubic yards of concrete for wall 1100 and erecting structural steel in area 10C East, as well as placing more than 300 cubic yards of concrete for one slab and wall. Installation efforts continue on the temporary power and lights throughout the facility.

Engineering work on drawings and diagrams, vendor document change notices (VDCN), model change requests (MCR), datasheets, and calculations in support of construction including diagrams for the Process & Mechanical Handling CCTV System; mechanical systems calculation revisions for the feed and effluent design basis flowsheets and Melter Offgas Treatment Process System booster; VDCNs for the silver mordenite crane, filter cave maintenance crane and pour tunnel bogie maintenance cranes; MCRs to revise rail locations for the HLW Canister Export Handling System, Receipt Handling System, and Decontamination Handling System cranes; and environmental qualification datasheets for the autosampler, and high efficiency mist eliminator. Melter 1 and 2 discharge lid heater power supplies have been received and the electrical joggle purchase order has been issued.

An existing suspension, placed on the vendor fabricating pour tunnel bogies, due to concerns over the use of stainless steel at elevated temperatures, has been removed. Technical evaluations of a vendor to perform the revised ground motion evaluation of the melter have been completed. A carbon bed absorber supplier deviation request to allow the vendor to procure Valcor instead of ASCO ITS solenoid valves was also issued.

To resolve an integrated safety management action, BNI completed a study showing that a canister striking shield windows is not possible based on crane travel speeds and hook approaches. The study also confirms there are no canister "hang up" points that could result in an exaggerated swing and clash between window and canister.

BNI transferred 15 cables to Setroute for the Process and Mechanical Handling CCTV System, and reviewed pulse jet mixer testing software lifecycle documentation against procedural requirements. The HVAC/fire protection calculations in support of DOE Standard 1066; an authorization basis amendment request (ABAR) was issued for review.

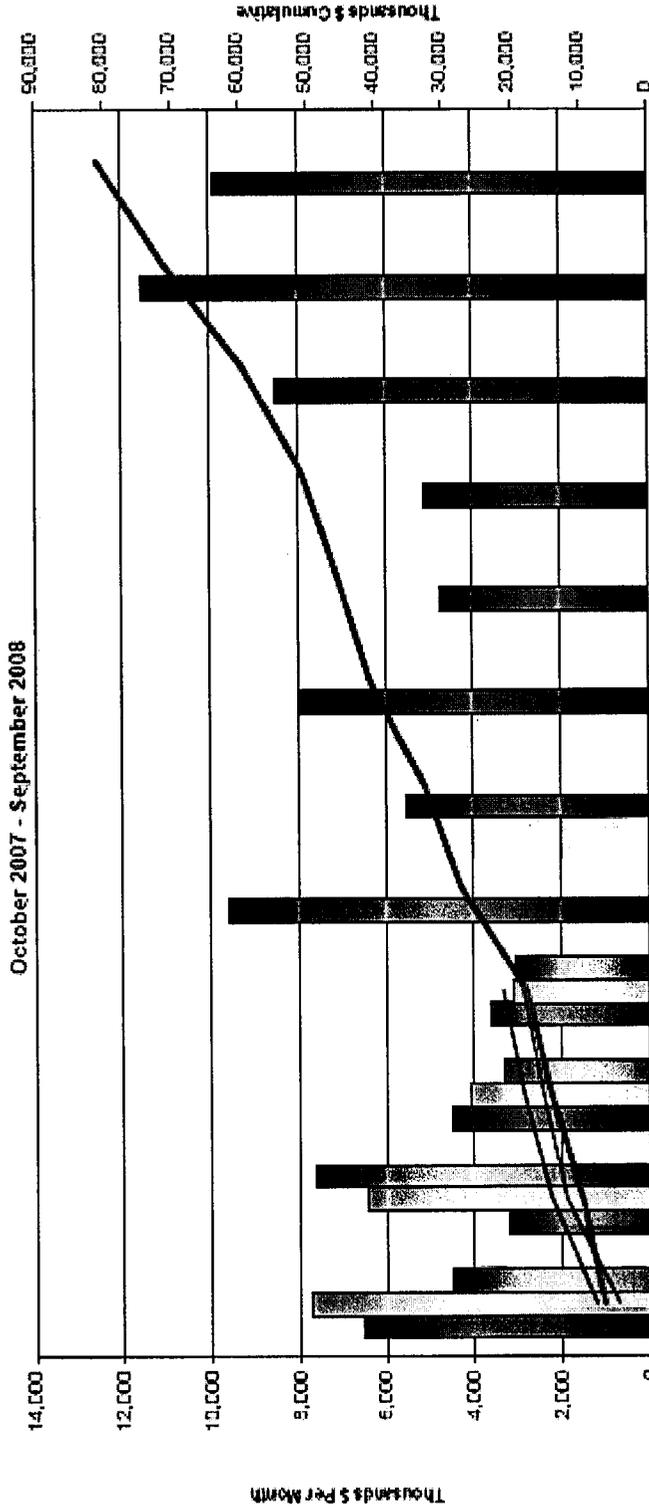
BNI Engineering approved and issued a task order and purchase memorandum for the canister impact calculations. Instrument datasheets were also issued to purchase radar-level transmitters, although the

intended application for liquid-level measurement has some technical challenges that will need to be resolved. Oregon Iron Works initiated sandblasting, inspection, and testing activities on two shield doors and began fabrication on the spare melter #3 refractory.

The Office of Disposal Operations (EM-12)/Office of Civilian Radioactive Waste Management (OCRWM or RW) review of the ORP Immobilized High-Level Waste Form Compliance Plan is in process.

This review is critical to the ultimate disposal of the ORP HLW and Environmental Management mission completion. The review and comment resolution cycle is scheduled to be complete in March 2008.

HLW Fiscal Year to Date Performance October 2007 – September 2008 (\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Monthly Plan (BCWS)	6,569	3,208	4,236	3,554	9,597	5,510	8,019	4,766	5,036	8,507	11,559	9,914
Monthly Perf (BCWP)	7,740	6,457	4,060	3,074								
Monthly Actuals (ACWP)	4,466	7,623	3,309	3,015								
FYTD Plan (BCWS)	6,569	9,777	14,276	17,869	27,466	32,976	40,995	45,761	50,857	59,365	70,923	80,837
FYTD Perf (BCWP)	7,740	14,197	18,257	21,331								
FYTD Actuals (ACWP)	4,466	12,083	15,399	18,413								

Low-Activity Waste Facility – January 2008

Engineering activities included issuance of anchorage details for switchboards and motor control centers on the +28' and +48' elevations, and the release of two heating, ventilation, and air conditioning (HVAC) support details for vendors to issue drawings. Multiple block diagrams for various systems were issued including for the LAW Secondary Offgas/Vessel Vent Process System and the Radioactive Solid Waste Handling System.

The baseline change proposal that identifies Title 2 and Title 3 activities is under review and is expected to be issued in March 2008. This will establish milestones for Title 2 Design Complete activities. Title 2 design encompasses the items that allow construction teams to construct the facility. While there will still be significant field engineering and review of vendor designs, Title 2 Design complete for LAW is scheduled to be complete later this year and is a significant project level milestone. The only item at risk for not meeting the Title 2 design complete milestone is Control and Instrumentation design for the Autosampling, Environmental Monitoring and Programmable Protection systems. The designs for these systems are to be completed by vendors; BNI is designing the interface to the control and instrumentation for these systems.

The following installation activities are ongoing: pipe and hanger on the -21' +3', and +28' elevations and electrical conduit for cable support fabrication and installations on the +48' elevation. Partition walls are being installed on the -21' elevation. Siding is being installed on the west and north end of the annex. Ironworkers are re-torquing bolts on doors and working on coating preparation for the elevator. Crews are prepping concrete for the export crane rails and installing lighting on the +28 elevation. Carpenters are building the export bay on the east end of the facility and ironworkers are installing weld shield plates.

The initial system/component turnover from construction to startup was achieved on February 11, 2008, for the process cell crane. The turnover package was signed off and issued, turnover boundary tags were placed, and testing commenced with continuity and scheme checks. Startup is scheduled to run a set of load tests prior to releasing the crane for "beneficial use" as a construction aid in mid April 2008. This activity, along with other ongoing Balance of Facilities (BOF) turnover activities, has culminated in extensive efforts to establish the system/component startup and test program, process and procedures, including extensive lessons learned and maturation of completion requirements for engineering, procurement, and construction.

BNI's Startup organization initiated functional tests on Crane 8 to verify the crane would perform per the manufacturer's requirements for turnover to Construction for beneficial use. Crane 8 is the bridge crane over the process cells for the LAW Facility. Operators are being trained to operate Crane 8; turnover documentation is being finalized to turn the crane over for use in handling materials to aid in construction.

BNI and CH2M HILL Hanford Group, Inc. held a its first LAW kick-off meeting to aid integration between the two contractors in completing the conceptual design reports required for LAW startup in 2014. These

meetings will be held every two weeks. Initial tasks outlined include integration of some milestones within the schedule and identification of points of contacts. Future meetings will identify interface points for the integration of mass balances from the potential Interim Pretreatment System, which would send feed to the LAW Facility. Other topics concern safety basis interface and startup of PT and HLW Facilities once these facilities are constructed in later years.

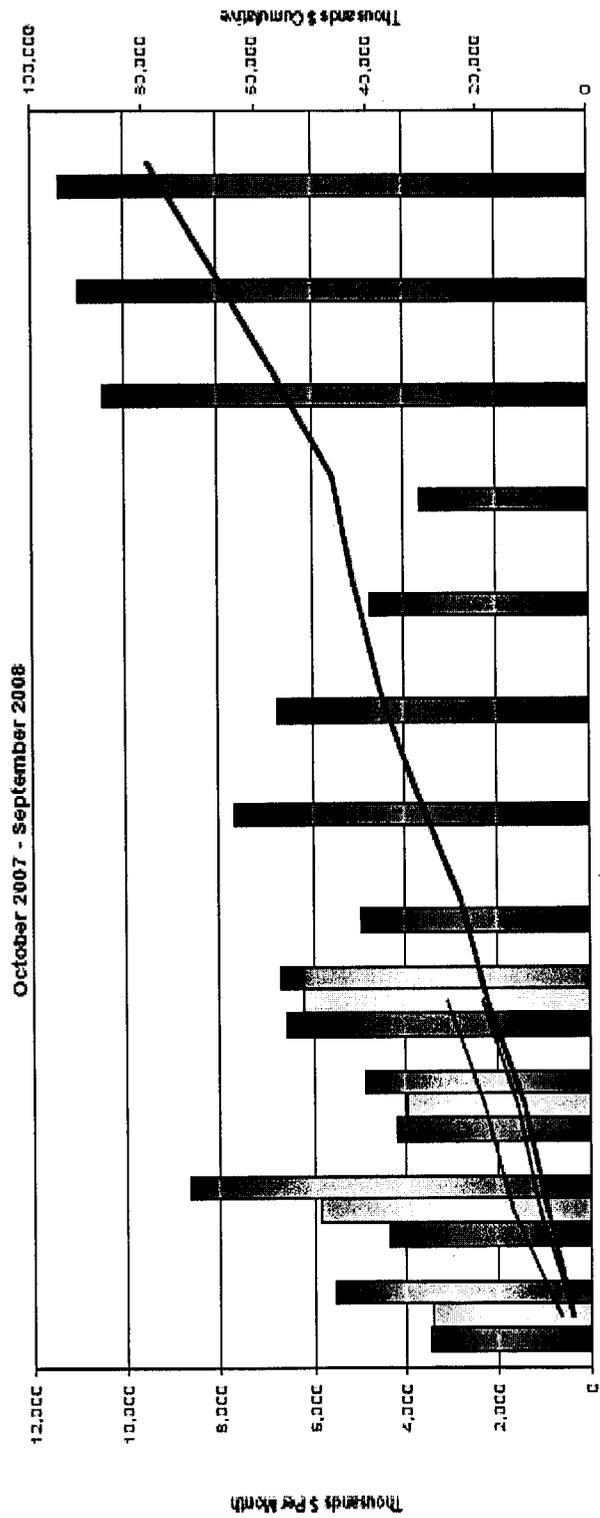
Gatepost Milestones attained this year include the completion of 22,500 linear feet of pipe in LAW, and the completion of the C2 Fan Room Slab. The following table depicts near-term gatepost milestones for the Low Activity Waste facility.

	Milestone	Scheduled	Projected
Low Activity Waste	Complete Production Piping Isometric Design	10/07	8/07 A
	Complete Export Bay Concrete Walls	11/07	8/07 A
	Complete Structural Steel in Annex	11/07	8/07 A
	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
	Complete Export Bay Structural Steel	5/08	3/08
	Annex Facility "Closed In"	7/08	4/08

LAW Fiscal Year to Date Performance

October 2007 - September 2008

(\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Monthly Plan (BCWP)	3,471	4,358	4,163	6,565	4,524	7,687	6,724	4,729	3,648	10,458	10,982	11,382
Monthly Actuals (ACWP)	3,408	5,851	3,964	6,207								
Monthly Earn (BCWS)	3,471	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408
FYTD Plan (BCWP)	3,471	7,630	11,953	16,558	23,512	31,178	37,902	42,631	46,279	56,737	67,719	79,081
FYTD Actuals (ACWP)	3,408	5,259	13,224	19,431								
FYTD Earn (BCWS)	3,408	14,165	19,073	25,735								

Analytical Laboratory – January, 2008

Engineering issued 26 Rev. 0 isometric drawings that will allow fabrication to commence on piping. Also, the termination schedules for the breathing service air system were issued. The second 72-hour test on the cell-to-cell trolley was system (east line) was successfully completed.

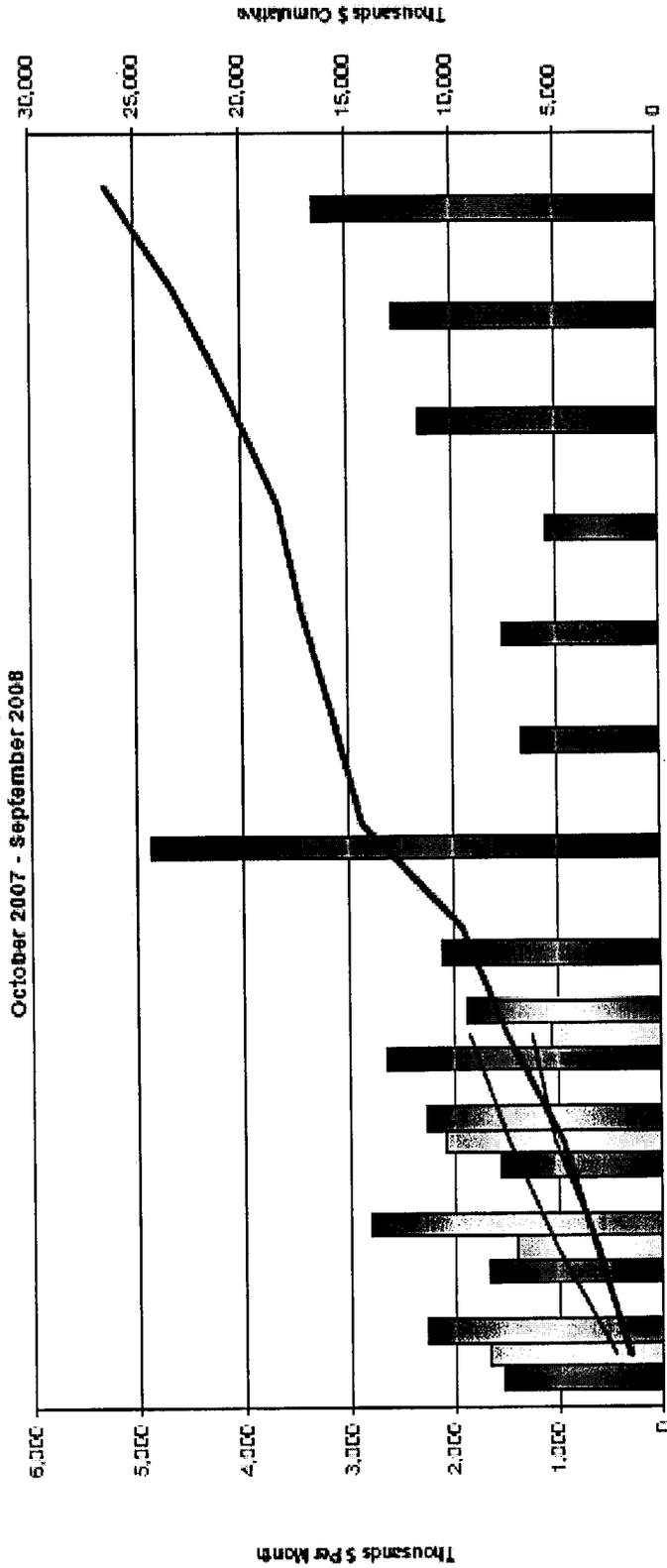
Construction forces continue to install partition walls in the hot cell. Installation of the hot cell trolley, multi-commodity steel, permanent lighting conduit, fire water piping, fireproofing ventilation ductwork, and emergency lights is ongoing. Work on installing the maintenance room glovebox progressed.

Siding installation is nearly completed. There are some areas of trim where the roof meets the walls that remain to be installed. Air handling unit (AHU) transition frames are being installed on the +17' elevation. The transition frames connect the AHUs to embeds in the facility decking. All of the AHUs will be installed in March 2008. Crews also continue to install permanent roofing and liner plate in the C3 and C5 cells. Temporary lighting will be installed as needed. F.D. Thomas continues sandblasting and coating structural steel.

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

Analytical Laboratory	Milestone	Scheduled	Projected
	Complete Structural Steel Frame	11/07	10/07 A
	Complete Instrument Database	1/08	4/08
	Issue Final C&I Conduit Design	4/08	6/08
	Deliver Master Slave Manipulators	4/08	3/08
	Complete Structural Steel Fireproofing	5/08	3/08
	Complete Laser Ablation Site Accept Testing	7/08	5/08

LAB Fiscal Year to Date Performance October 2007 - September 2008 (\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Monthly Plan (BCWS)	1,534	1,659	1,545	2,543	2,102	4,862	1,334	1,493	1,072	2,297	2,540	3,256
Monthly Perf (BCWP)	1,653	1,395	2,079	1,056								
Monthly Actuals (ACWP)	2,253	2,796	2,269	1,854								
FYTD Plan (BCWS)	1,534	3,134	4,739	7,381	9,483	14,344	15,678	17,171	18,242	20,540	23,080	25,376
FYTD Perf (BCWP)	1,653	3,049	5,127	6,193								
FYTD Actuals (ACWP)	2,253	5,049	7,317	9,171								

Engineering issued 26 Rev. 0 isometric drawings that will allow fabrication to commence on piping. Also, the termination schedules for the breathing service air system were issued. The second 72-hour test on the cell-to-cell trolley was system (east line) was successfully completed.

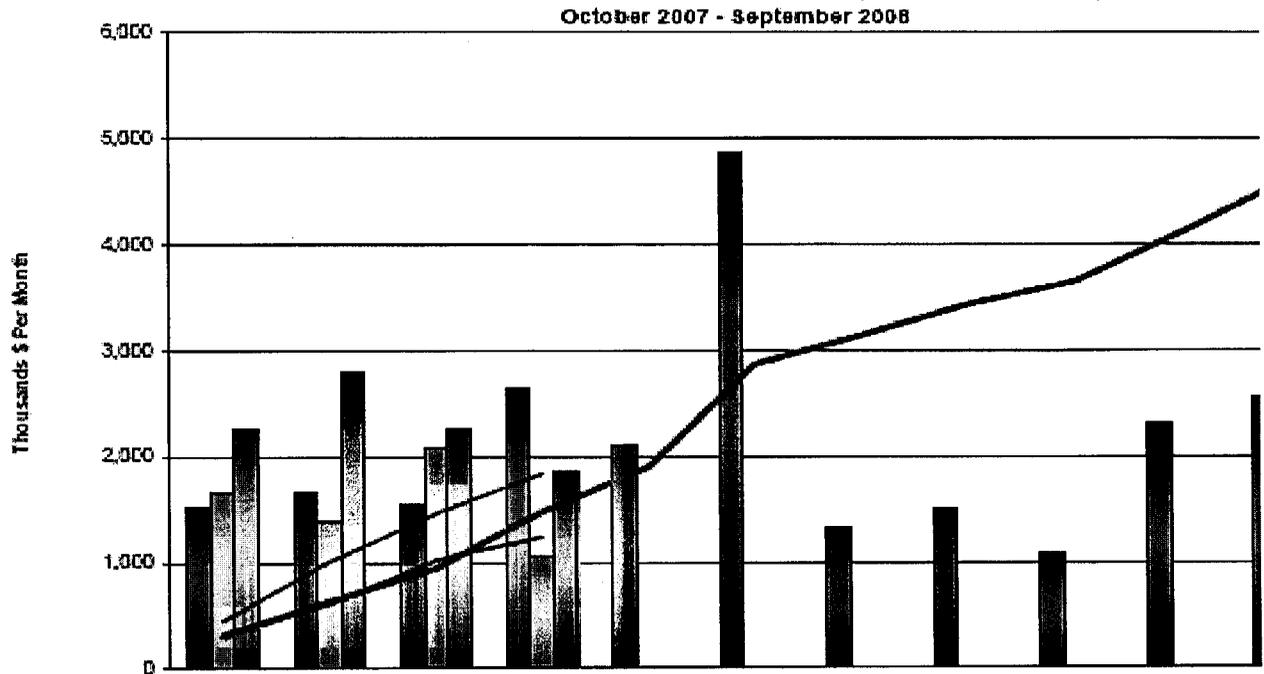
Construction forces continue to install partition walls in the hot cell. Installation of the hot cell trolley, multi-commodity steel, permanent lighting conduit, fire water piping, fireproofing ventilation ductwork, and emergency lights is ongoing. Work on installing the maintenance room glovebox progressed.

Siding installation is nearly completed. There are some areas of trim where the roof meets the walls that remain to be installed. Air handling unit (AHU) transition frames are being installed on the +17' elevation. The transition frames connect the AHUs to embeds in the facility decking. All of the AHUs will be installed in March 2008. Crews also continue to install permanent roofing and liner plate in the C3 and C5 cells. Temporary lighting will be installed as needed. F.D. Thomas continues sandblasting and coating structural steel.

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

Analytical Laboratory	Milestone	Scheduled	Projected
	Complete Structural Steel Frame	11/07	10/07 A
	Complete Instrument Database	1/08	4/08
	Issue Final C&I Conduit Design	4/08	6/08
	Deliver Master Slave Manipulators	4/08	3/08
	Complete Structural Steel Fireproofing	5/08	3/08
	Complete Laser Ablation Site Accept Testing	7/08	5/08

LAB Fiscal Year to Date Performance October 2007 – September 2008 (\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
Mthly Plan (BCWS)	1,534	3,194	4,739	7,381	9,483	14,344	15,678	17,171	18,242	20,540
Mthly Perf (BCWP)	1,653	3,049	5,127	6,193						
Mthly Actuals (ACWP)	2,253	2,796	2,269	1,854						
FYTD Plan (BCWS)	1,534	3,194	4,739	7,381	9,483	14,344	15,678	17,171	18,242	20,540
FYTD Perf (BCWP)	1,653	3,049	5,127	6,193						
FYTD Actuals (ACWP)	2,253	5,049	7,317	9,171						

Balance of Facilities – January 2008

The BOF provides services and utilities to support operation of the main production facilities— Pretreatment (PT), High-Level Waste (HLW), Low-Activity Waste (LAW), and the Analytical Laboratory (LAB). Engineering issued 33 Rev. 0 isometric drawings and released 12 isometric drawings from hold, which will support fabrication of pipe spools. P&ID piping modifications were made on Fire Service Water Storage & Distribution System (FSW) drawings to support turnover for start-up activities. The instrument report for the FSW turnover package was also completed to support system turnover. 3D modeling of the anhydrous ammonia facility storage tanks and vaporizer skid was completed.

In the Chiller Compressor Plant, construction forces continue to run electrical conduit and to install motor starters, small bore and large bore piping, scheduled conduit, and intake filters/air separators. Crews began anchoring silo frames to the concrete slab in the Glass Former Facility. Steam plant building construction is complete and a ramp is being constructed on the entrance to the Water Treatment Facility. A crane pad is also being prepped southwest of the PT Facility for module relocation. The equipment model for the ammonia facility, which precedes detailed design work, is complete. Crews completed excavation for the Building 13 power lines in Area 4B. Commodity rack steam and condensate piping installation continues as well as vertical anodes for the cathodic protection system.

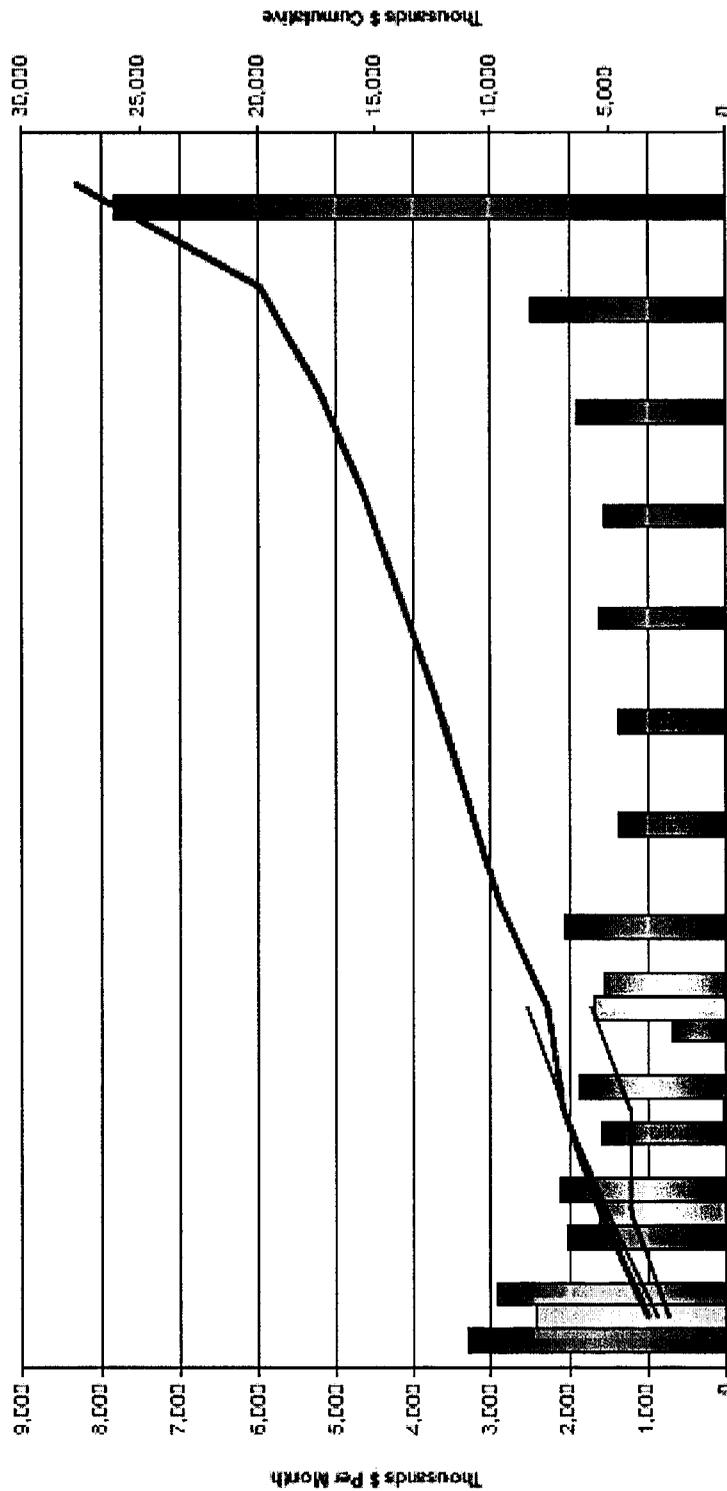
Construction forces continued to work through pre-turnover punchlist items for the FSW--anticipated for turnover from construction to the turnover crews by early March. Punchlist items include heat trace and insulation for tank piping on the tanks. Construction is currently working through material constraints and startup efforts are focused on test procedure development. Material constraints encountered are primarily due to procurement processes/vendor agreements that do not support small volume and/or short turnaround times; current process centered on bulk purchases.

The final slope adjustment for the rad transfer lines in the 4X trench was completed and the final concrete pour for the melter assembly pad was also finished. The Process Service Water System was hydro-tested. Preparatory work was done on the laboratory stack for installation in the April 2008 timeframe.

The following table depicts near-term gatepost milestones for the Balance of Facilities.

Balance of Facilities	Milestone	Scheduled	Projected
	Issue Rack #5A Pipe Fab Isometrics	5/08	4/08
Complete LAW Melter Slab	6/08	1/08 A	
Deliver GFSF Bins, Silos and Steel	5/07	4/08	
Complete GFSF Silo/Tanks (17) Sets	12/07	9/08	

BOF Fiscal Year 2007 to Date Performance October 2007 – September 2008 (\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Monthly Plan (BCWS)	3,505	2,005	1,557	676	2,037	1,985	1,369	1,624	1,538	1,893	2,494	7,827
Monthly Perf (BCWP)	2,408	1,619	20	1,663								
Monthly Actuals (ACWP)	2,904	2,102	1,854	1,564								
FYTD Plan (BCWS)	3,505	5,311	6,868	7,574	9,611	10,974	12,240	13,564	15,502	17,394	19,858	27,715
FYTD Perf (BCWP)	2,408	4,028	4,048	5,711								
FYTD Actuals (ACWP)	2,904	5,008	6,860	8,424								

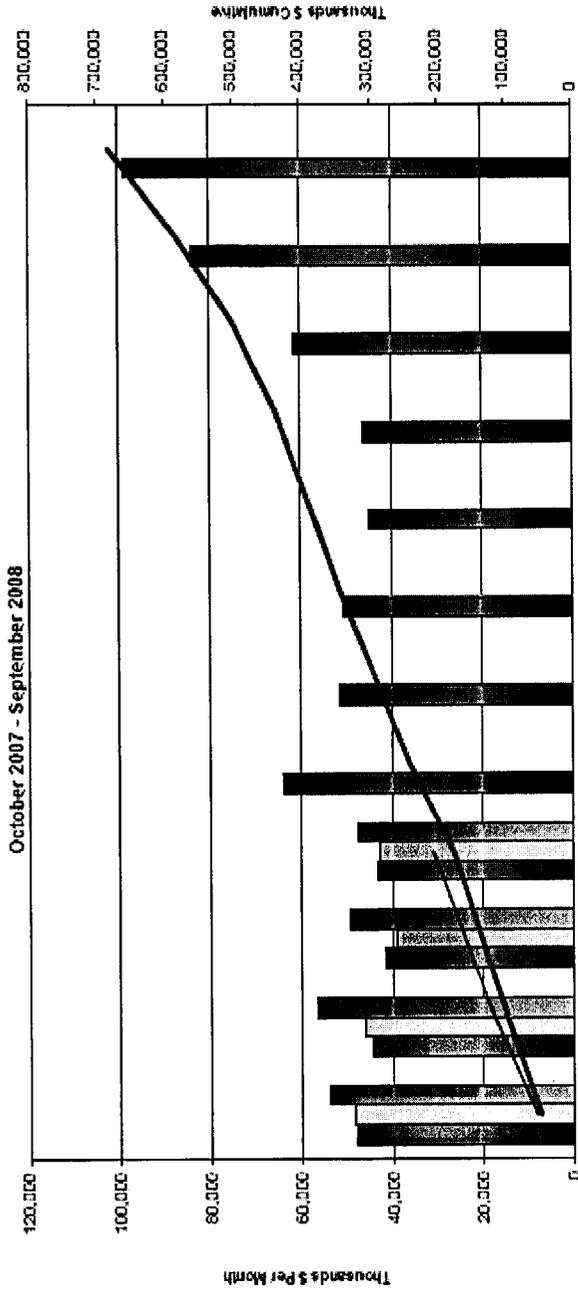
Waste Treatment Plant Project - Percent Complete Status

through December 2007

Facilities (fhs - Thousands)	Overall Facility Percent Complete			Design/Engineering		Construction		
	Budget at Completion	Budgeted Cost of Work Performed	% Complete	Total Hours Earned to Date Hours	% Complete	Current Budget	Total Hours Earned to Date Hours	% Complete
Low-Activity Waste	5,588	3,044	54%	1,488	95%	2,273	1,182	52%
Analytical Lab	2,691	864	32%	429	90%	631	295	47%
Balance of Facilities	3,834	1,939	51%	591	76%	1,820	998	55%
High-Level Waste	9,783	3,606	37%	2,090	83%	5,253	1,129	21%
Pretreatment	15,017	5,504	37%	2,948	69%	8,149	1,993	24%
Plant Wide/Gen Services	42,355	18,767	44%	4,470	70%	5,367	2,193	41%
Total WTP	79,268	33,724	43%	16,043	75%	23,493	7,790	33%

WTP COMMODITY REPORT BY FACILITY				
Commodity	Unit of Measure	Installed During This Period	Installed to Date	% Installed to Date
Pretreatment				
Concrete	1000 CY	0.00	77.16	68.03%
Structural Steel	1 Ton	0.00	3,026	18.21%
Pipe	1000 LF	0.00	36.95	6.90%
Cable Tray	1000 LF	0.00	0.35	0.94%
Conduit	1000 LF	0.00	17.95	6.43%
Cable & Wire	1000 LF	0.00	0.00	0.00%
High Level Waste				
Concrete	1000 CY	0.00	46.01	52.50%
Structural Steel	1 Ton	0.00	611	6.37%
Pipe	1000 LF	0.00	3.45	2.11%
Cable Tray	1000 LF	0.00	1.20	3.34%
Conduit	1000 LF	0.00	14.27	6.39%
Cable & Wire	1000 LF	0.00	0.00	0.00%
Low Activity Waste				
Concrete	1000 CY	0.00	26.15	91.61%
Structural Steel	1 Ton	16.00	5,298	85.62%
Pipe	1000 LF	1.31	49.85	48.93%
Cable Tray	1000 LF	0.04	12.23	78.33%
Conduit	1000 LF	0.19	28.99	17.57%
Cable & Wire	1000 LF	0.00	0.00	0.00%
Laboratory				
Concrete	1000 CY	0.00	11.64	93.66%
Structural Steel	1 Ton	-85.00	1,670	97.09%
Pipe	1000 LF	0.10	10.12	27.70%
Cable Tray	1000 LF	0.00	0.00	0.00%
Conduit	1000 LF	0.00	0.96	1.89%
Cable & Wire	1000 LF	0.00	0.00	0.00%
Balance of Facilities				
Concrete	1000 CY	0.41	11.28	61.23%
Structural Steel	1 Ton	0.00	306	19.34%
Pipe	1000 LF	0.50	8.61	16.69%
Cable Tray	1000 LF	0.00	2.52	55.19%
Conduit	1000 LF	0.19	20.50	32.45%
Cable & Wire	1000 LF	5.03	183.96	27.25%

WTP Fiscal Year to Date Performance October 2007 – September 2008 (\$ in thousands)



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Monthly Per (BCWS)	48,395	44,758	41,931	43,613	64,056	51,551	50,766	45,223	46,504	61,362	53,998	55,034
Monthly Per (BCWP)	48,645	45,632	55,366	43,167								
Monthly Actual (ACWP)	54,325	55,517	49,448	47,904								
FY CS TO PWS (BCWS)	48,395	93,154	135,016	178,633	242,691	294,243	345,047	390,269	435,773	496,156	552,153	581,187
FY CS TO Per (BCWP)	48,645	95,248	134,616	177,804								
FY CS TO Actual (ACWP)	54,325	111,143	150,591	208,495								