

0085163

Office of River Protection

Tri-Party Agreement
Manager Milestone Review Meeting
October 23, 2007

Office of River Protection

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

September 2007

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Agenda

Office of River Protection
 Tri-Party Agreement
 Manager Milestone Review Meeting
 2440 Stevens Center, Conference Room 1200
 October 23, 2007
 9:00 a.m. – 12:00 p.m.

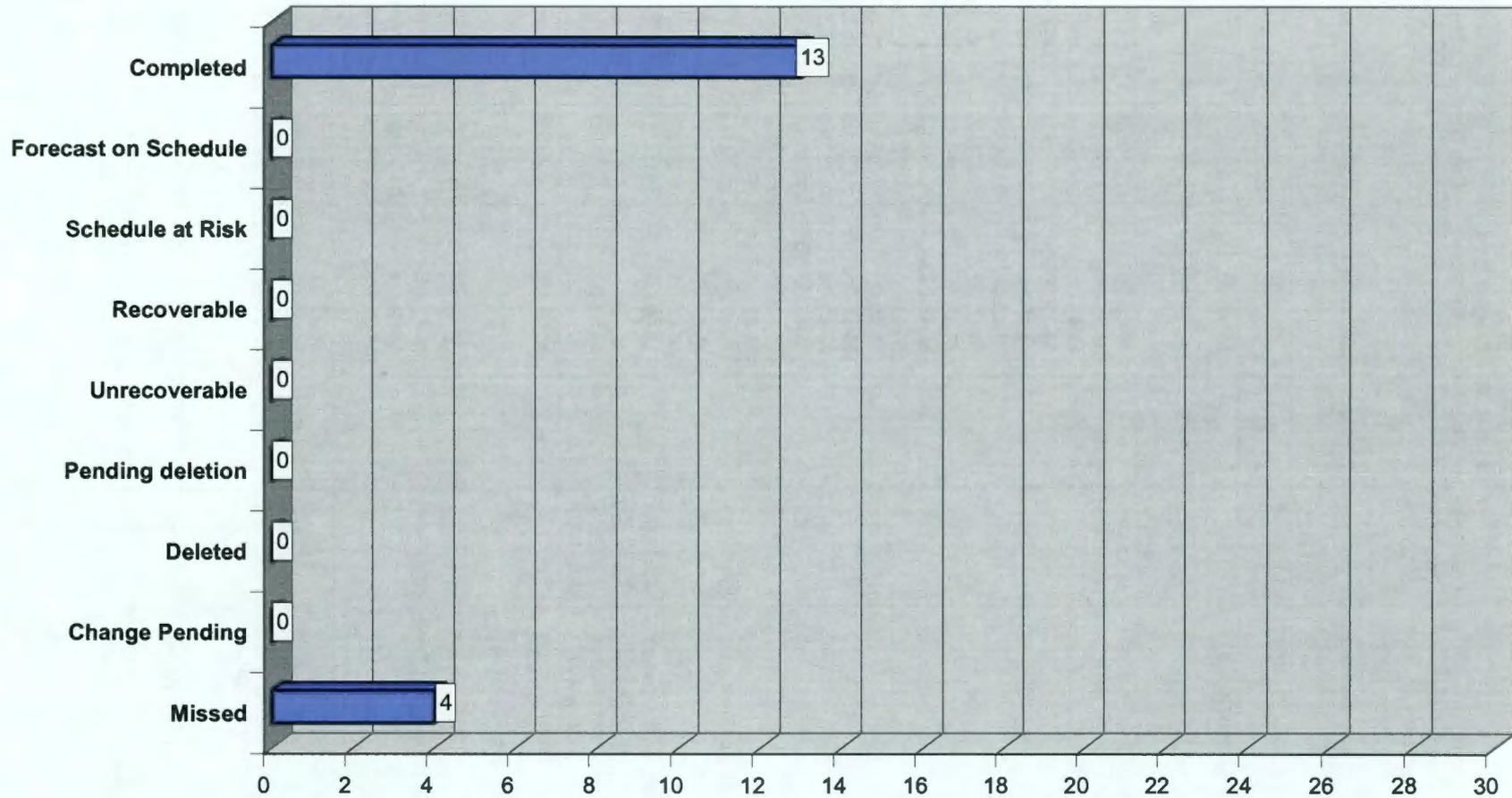
Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl / Jeff Lyon	9:00
60	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:10
62	M-45-00, Complete Closure of All Single-Shell Tank Farms	Roger Quintero / Jeff Lyon	9:30
71	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	10:00
72	M-23-00, Tank Integrity and Monitoring	John Long / Jeff Lyon	10:10
73	In Tank Characterization and Summary	John Long / Michael Barnes	10:20
74	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Corbun Babel / Les Fort	10:30
76	M-48-00, DST Integrity Assessment Program	Cathy Louie / Les Fort	10:40
78	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Cathy Louie / Bud Derrick	10:50
	BREAK		
17	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl / Jeff Lyon	11:10
98	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Ben Harp / Suzanne Dahl	11:20
97	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Suzanne Dahl	11:30

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 03/31/06	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-23-25 , Tank Integrity and Monitoring	03/31/05 (M-23-25)	0				
M-23-27 , Complete 244-CR Liquid Level Assessment	12/30/04	0				
M-42-00 , Provide Additional DST Capacity	TBD	1	M-42-00	TBD		
M-43-00 , Complete Tank Farm Upgrades	06/30/05 (M-43-00)	0				
M-45-00 , Complete Closure of all SST Farms	09/30/24 (M-45-00)	31	M-45-00 M-45-00B M-45-00C M-45-00D M-45-02 M-45-02N 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-45-05-T10 M-45-05-T11	09/30/24 09/30/06 09/30/06 01/31/08 TBD 03/01/08 03/01/10 09/30/18 03/31/07 09/30/07 09/30/08 09/30/09 09/30/10 09/30/11 09/30/12 09/30/13	M-45-05-T12 M-45-05-T13 M-45-05-T14 M-45-05-T15 M-45-06 M-45-06-T03 M-45-06-T04 M-45-13 M-45-15 M-45-55 M-45-56 M-45-58 M-45-59 M-45-60	09/30/14 09/30/15 09/30/16 09/30/17 09/30/24 03/31/12 03/31/14 12/31/07 12/31/07 01/31/07 TBD 06/30/07 TBD 09/30/07
M-47-00 , Complete All Work for Phase 1 Operations	02/28/18 (M-47-00)	5	M-47-00 M-47-02 M-47-03A	02/28/18 03/31/09 03/31/09	M-47-04 M-47-06	03/31/09 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)	9	M-62-00 M-62-00A M-62-01P M-62-01Q	12/31/28 02/28/18 01/31/08 07/31/08	M-62-07B M-62-08 M-62-09 M-62-10 M-62-11	12/31/07 06/30/06 02/28/09 01/31/11 06/30/07
M-90-00 , Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	3	M-90-00 M-90-10 M-90-11	TBD 08/31/08 08/31/10		
M-48-00 , DST Integrity Program, Submit Results of 4 DSTs not Previously Examined	09/30/07	0				
Interim Stabilization Consent Decree	09/30/04 (D-001-00)	1	D-001-00			
Total Active Milestones:		53				

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								
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-	3/31/06	3/30/06								

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						
	07A, and thus labeled as M-48-07A-B										
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-045-55-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 & U Pursuant To The Site-Specific SST WMA Phase 1 RFI/CMS Work Plan Addenda For WMA A-AX, C And U. As part of the Phase 2 Vadose Zone project renegotiations, being developed, this target milestone scope will be included in M-45-55 Phase 1 Rollup documentation due in 1/07. Project continues to complete field characterization activities per approved work plan, but will defer stand alone paper study for additional characterization during phase 1.	04/30/06						X			X
M-048-07A	Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 1) Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service [see M 45-07A-A]; 2) Complete construction of AP-106A Central Pump upgrade [M 48-07A-B]; and 3) complete	06/30/06	06/28/06								

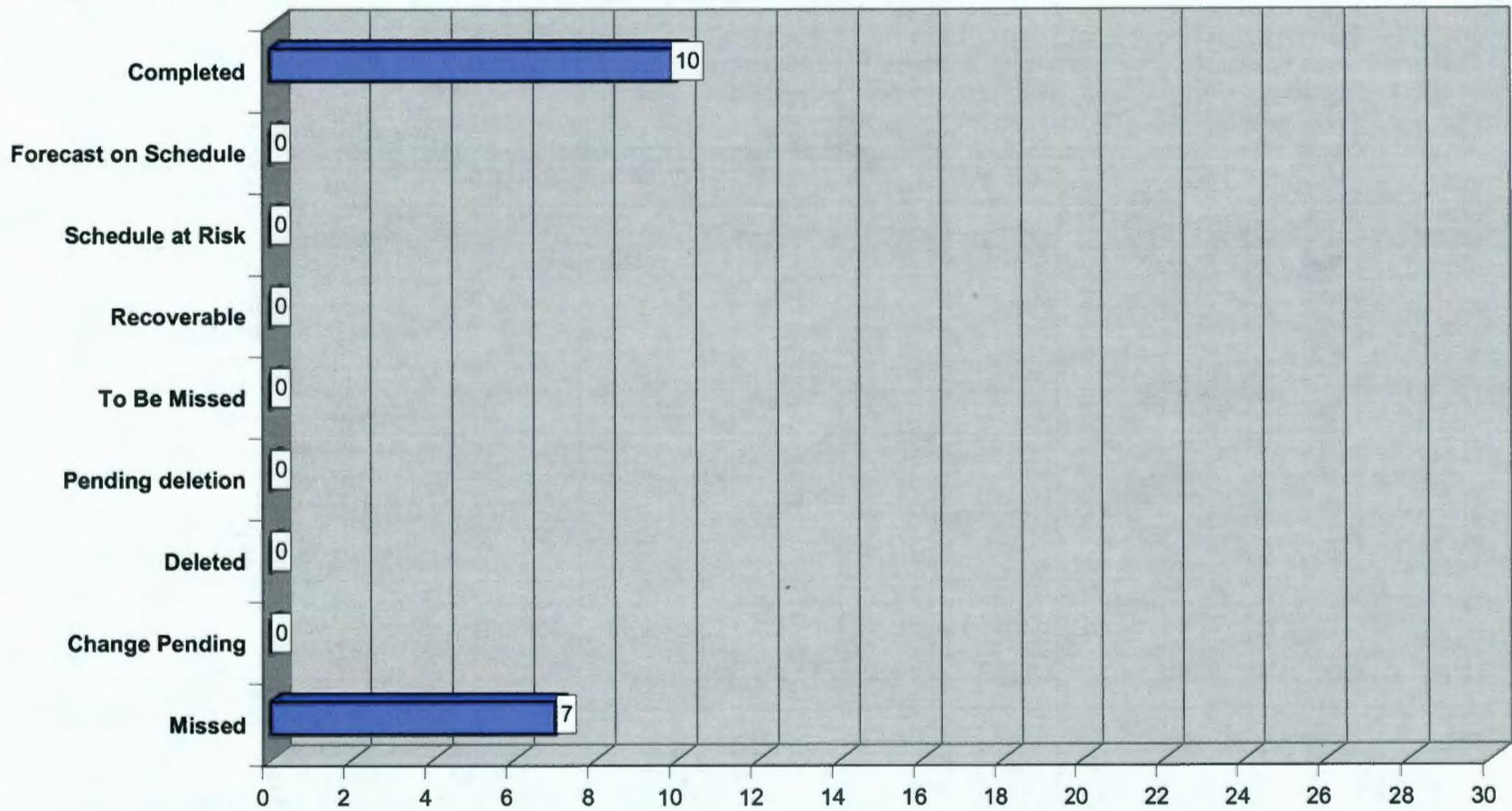
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	construction of SY-B Valve Pit upgrade [see M 48-07A-C].										
M-048-07A-C	Completion of construction for the 241-SY-B valve pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-C.	06/30/06	06/08/06								
M-048-07B	The Disposition of all Double-Shell Tank Transfer System Components that will not remain in use beyond June 30, 2005.	06/30/06	6/27/06								
M-062-08	Submittal Of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline, And Draft Negotiations Agreement In Principle (AIP).	06/3/06						X			
M-045-56B	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/06	09/05/06								
M-062-01M	Submit Semi-Annual Project Compliance Report	07/31/06	07/31/06								
M-045-00B	Complete specified "near term" SST waste retrieval and interim closure activities, to result in the retrieval of all tank wastes in WMA-C SSTs pursuant to the agreement criteria in milestone M-45-00.	09/30/06						X			
M-045-00C	Initiate negotiation of SST waste retrieval and closure activities and associated schedules (for the	09/30/06						X			

Fiscal Year 2006 Tri-Party Agreement Milestone Status											
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Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	period February 07 through August 08).										

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	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								
M-045-55	Submit to Ecology For Review And Approval as an Agreement Primary Document a Phase I RFI Report integrating results of data gathering activities and evaluations for all SST WMAs.	01/31/07						X			X
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	01/31/07	01/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

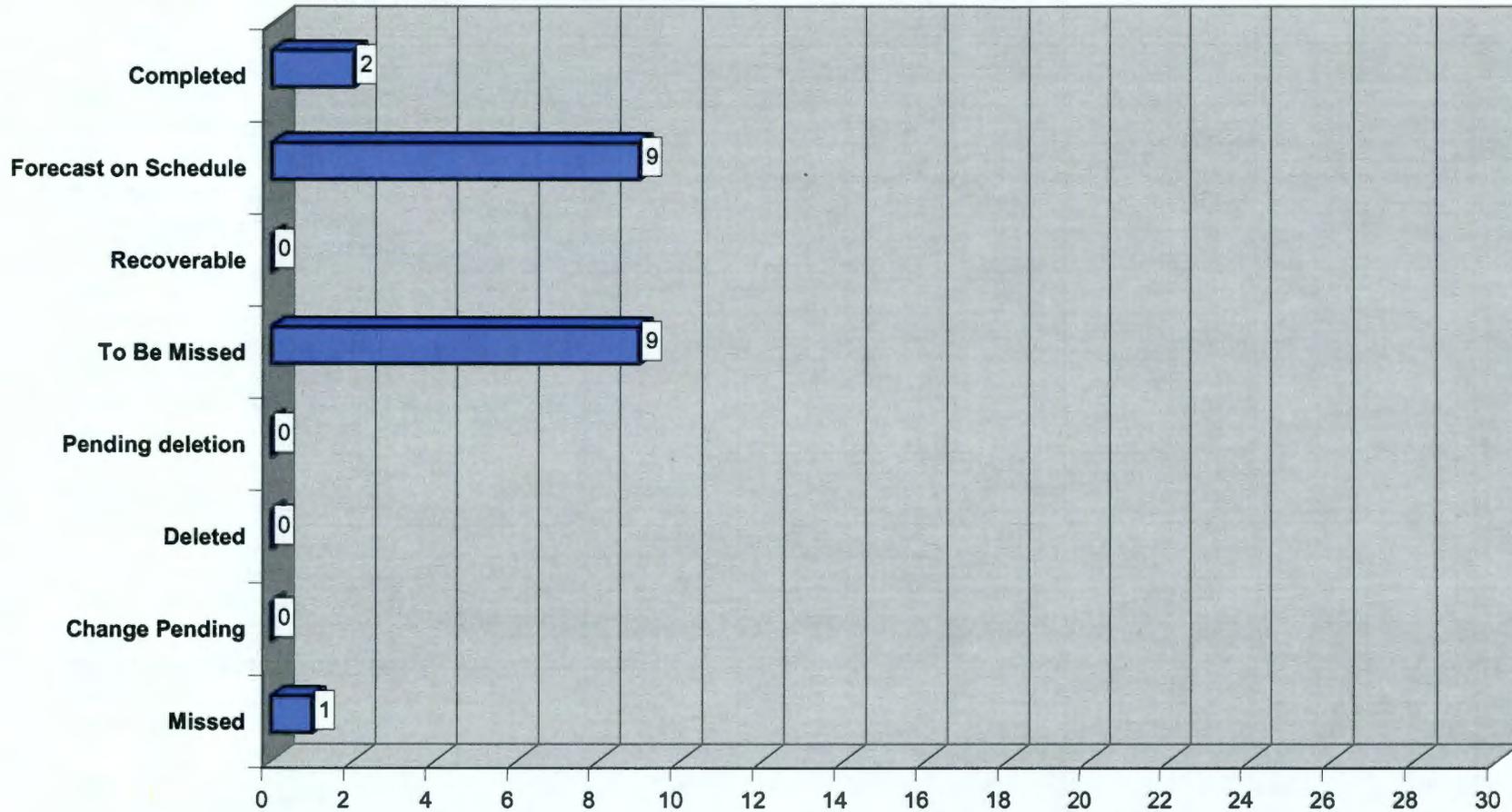
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.										
M-045-05A	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-045-58	Submit to Ecology for review and approval as an Agreement Primary Document a corrective measures study for interim corrective measures (pending results and conclusions in the Phase 1 RFI report- Milestone M-45-55 or subsequent RFI reports).	06/30/07						X			X
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07						X			
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of	07/31/07	07/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	information, and the need for the establishment of additional agreement interim measures.										
D-001-00-R33	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	07/31/07	07/30/07								
M-062-010	Submit Semi-Annual Project Compliance Report	07/31/07	0731/07								
M-045-60	Submit to Ecology for review and approval as an Agreement Primary Document DOE's RFI/CMS work plan for all SST WMAs.	09/30/07						X			X
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		X							
M-045-13	Interim completion of Tank S-112 SST Waste Retrieval and Closure demonstration project.	12/31/07					X				X
M-045-13-A	Full Scale Waste Retrieval has been Completed.	12/31/07	3/28/07								
M-045-13-B	Remaining waste have been adequately characterized, and a risk assessment , approved by Ecology, has been completed for S-112 residuals that remain in the tank	12/31/07					X				X
M-045-13-C	S-112 Waste Retrieval and Closure Demonstration Plan has been submitted by DOE and approved by Ecology	12/31/07					X				X
M-045-15	Interim completion of Tank S-102 SST Waste Retrieval and Closure demonstration project.	12/31/07					X				X
M-045-15-A	Full Scale Waste Retrieval has been completed. Missed (See M-045-05A)	12/31/07						X			X
M-045-15-B	Remaining waste have been adequately characterized, and a risk assessment , approved by	12/31/07					X				X

Fiscal Year 2008 Tri-Party Agreement Milestone Status

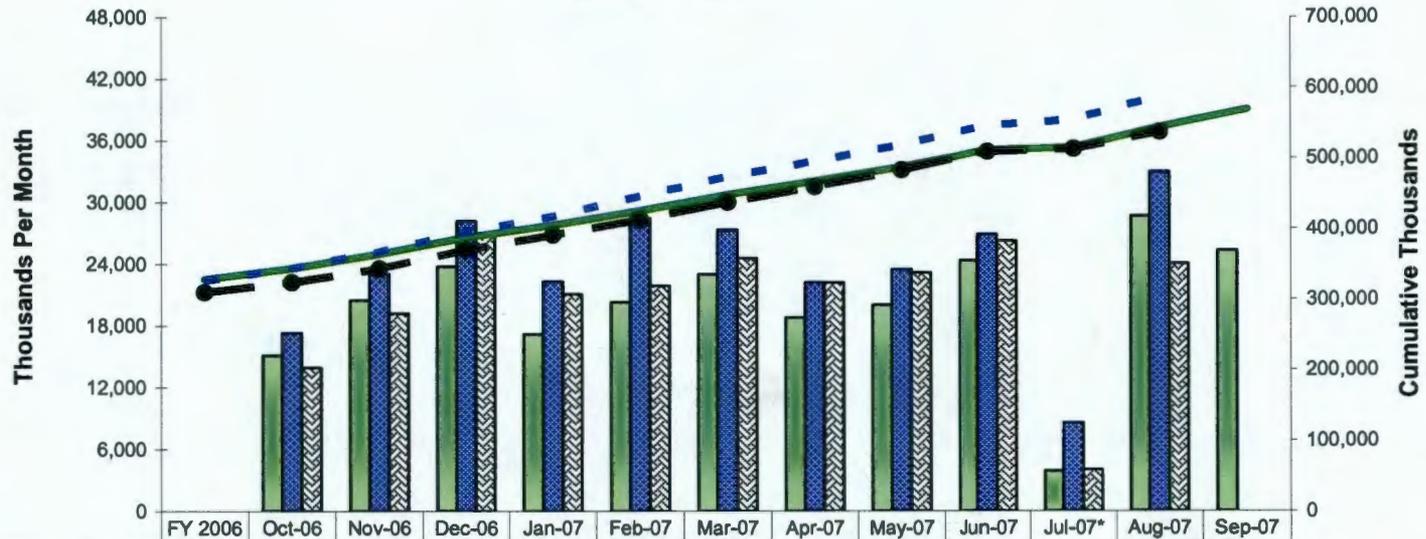
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	Ecology, has been completed for S-102 residuals that remain in the tank										
M-045-15-C	S-102 Waste Retrieval and Closure Demonstration Plan has been submitted by DOE and approved by Ecology	12/31/07					X				X
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		X							
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		X							
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		X							
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	06/29/08					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						
	within 150 days										
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							
M-090-10	Ready to accept placement of ILAW in ILAW Disposal Facility	08/31/08	02/13/07								

CURRENT MONTH/CONTRACT TO-DATE PERFORMANCE – GRAPH

CH2M HILL Contract-to-Date Performance (\$000)
10/2005 - 08/2007



	FY 2006	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07*	Aug-07	Sep-07
Mthly Plan (BCWS)	0	15,128	20,472	23,767	17,166	20,273	23,002	18,789	20,012	24,311	3,885	28,655	25,277
Mthly Perf (BCWP)	0	17,306	23,051	28,161	22,301	28,455	27,319	22,213	23,470	26,889	8,568	32,946	
Mthly Actuals (ACWP)	0	13,947	19,194	26,739	21,044	21,870	24,530	22,166	23,155	26,238	4,033	24,019	
CTD Plan (BCWS)	328,060	343,187	363,659	387,427	404,592	424,865	447,826	466,535	486,547	510,858	514,744	543,399	568,676
CTD Perf (BCWP)	326,127	343,433	366,484	394,645	416,946	445,401	472,720	494,933	518,403	545,292	553,860	586,806	
CTD Actuals (ACWP)	310,197	324,145	343,338	370,078	391,122	412,992	437,522	459,687	482,842	509,080	513,113	537,132	

*Note (All Graphs): BCR RPP-07-052 was processed during the month of July resulting in a reduction to BCWS, BCWP, and ACWP of \$15.3M to maintain the cost and schedule variances at zero dollars for the fee account.

BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

CURRENT MONTH (CM) PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CURRENT MONTH PERFORMANCE MEASUREMENT - 08/2007**BY WORK BREAKDOWN STRUCTURE**

Dollars in Thousands

WBS	TITLE	Current Month						
		Budgeted Cost		Actual Cost Work Performed	Variance			
		Work Scheduled	Work Performed		Schedule	SV %	Cost	CV %
5.07	BASE OPERATIONS - Excluding 5.07.02	13,421.7	13,211.6	10,115.1	(210.1)	-1.6%	3,096.4	23.4%
5.07.02	Env/TPA Milestone Achievement	<u>1,580.1</u>	<u>2,061.2</u>	<u>1,648.7</u>	<u>481.1</u>	30.4%	<u>412.5</u>	20.0%
	TOTAL BASE OPERATIONS	<u>15,001.8</u>	<u>15,272.8</u>	<u>11,763.8</u>	<u>271.0</u>	1.8%	<u>3,509.0</u>	23.0%
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	0.0	1.5	0.0	0.0%	(1.5)	-1.5%
5.08.02	WTP Feed Delivery Program	720.5	720.5	628.2	0.0	0.0%	92.3	12.8%
5.08.03	DST Retrieval Program	0.0	80.3	20.3	80.3	80.3%	60.0	74.7%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	187.5	315.6	187.5	187.5%	(128.1)	-68.3%
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	5,297.6	5,109.9	4,102.0	(187.6)	-3.5%	1,007.9	19.7%
5.08.06/.07	SST Retrieval East / West Area	1,304.0	3,083.8	3,560.6	1,779.8	136.5%	(476.9)	-15.5%
5.08.12/.13	SST Closure	<u>31.6</u>	<u>31.6</u>	<u>32.2</u>	<u>0.0</u>	0.0%	<u>(0.6)</u>	-1.8%
	TOTAL RETRIEVE AND CLOSE	<u>7,353.7</u>	<u>9,213.7</u>	<u>8,660.5</u>	<u>1,860.0</u>	25.3%	<u>553.2</u>	6.0%
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	479.8	496.6	205.6	16.9	3.5%	291.1	58.6%
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	70.3	70.3	62.4	0.0	0.0%	7.9	11.2%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	0.0	2,226.1	1,236.8	2,226.1	2226.1%	989.3	44.4%
5.09.03.01	Integrated Disposal Facility	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.03.04	Initial IHLW Storage Facility (W-464)	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0%	<u>0.0</u>	0.0%
	TOTAL TREAT AND DISPOSE WASTE	<u>550.0</u>	<u>2,793.0</u>	<u>1,504.8</u>	<u>2,243.0</u>	407.8%	<u>1,288.3</u>	46.1%
5.10	ANALYTICAL/TECHNICAL SERVICES	<u>5,749.8</u>	<u>5,666.7</u>	<u>2,089.6</u>	<u>(83.1)</u>	-1.4%	<u>3,577.0</u>	63.1%
TFC TOTAL		<u>28,655.3</u>	<u>32,946.2</u>	<u>24,018.7</u>	<u>4,290.9</u>	15.0%	<u>8,927.5</u>	27.1%

BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 08/2007

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

WBS	TITLE	Cumulative Contract-To-Date								
		Budgeted Cost			Variance				Budget at Completion (BAC)*	Accelerated Scope
		Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %		
5.07	BASE OPERATIONS - Excluding 5.07.02	261,481.9	262,025.1	240,183.8	543.2	0.2%	21,841.3	8.3%	412,773.7	1,300.1
5.07.02	Env/TPA Milestone Achievement	<u>34,821.1</u>	<u>38,417.1</u>	<u>36,542.6</u>	<u>3,596.0</u>	10.3%	<u>1,874.5</u>	4.9%	<u>48,986.5</u>	<u>4,431.6</u>
	TOTAL BASE OPERATIONS	<u>296,303.0</u>	<u>300,442.1</u>	<u>276,726.3</u>	<u>4,139.2</u>	1.4%	<u>23,715.8</u>	7.9%	<u>461,760.2</u>	<u>5,731.7</u>
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	268.4	199.2	268.4	268.4%	69.2	25.8%	0.0	298.2
5.08.02	WTP Feed Delivery Program	13,920.2	13,920.2	12,536.7	0.1	0.0%	1,383.5	9.9%	22,019.8	0.0
5.08.03	DST Retrieval Program	1,676.3	1,823.5	2,186.7	147.3	8.8%	(363.2)	-19.9%	1,676.3	1,338.9
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	5,914.3	6,221.6	3,048.5	106.4%	(307.3)	-5.2%	2,865.8	7,892.0
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
5.08.05	Retrieval / Closure Program	96,301.5	94,923.3	86,535.5	(1,378.2)	-1.4%	8,387.8	8.8%	148,974.5	0.0
5.08.06/07	SST Retrieval East / West Area	39,744.2	64,769.8	54,211.7	25,025.6	63.0%	10,558.1	16.3%	52,240.1	72,541.1
5.08.12/13	SST Closure	<u>746.1</u>	<u>745.3</u>	<u>705.5</u>	<u>(0.8)</u>	-0.1%	<u>39.9</u>	5.3%	<u>1,101.8</u>	<u>0.0</u>
	TOTAL RETRIEVE AND CLOSE	<u>157,966.4</u>	<u>185,077.2</u>	<u>165,579.7</u>	<u>27,110.8</u>	17.2%	<u>19,497.4</u>	10.5%	<u>231,590.7</u>	<u>82,070.2</u>
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	8,274.3	8,248.5	6,658.9	(25.8)	-0.3%	1,589.5	19.3%	13,904.0	0.0
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
5.09.02.03/08	LAW Treatment	1,356.6	1,356.7	1,389.6	0.0	0.0%	(32.9)	-2.4%	2,150.2	0.0
5.09.02.05/11	Bulk Vitrification System (BVS) Project	26,639.2	39,031.0	39,908.6	12,391.8	46.5%	(877.7)	-2.2%	26,639.2	13,841.7
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,366.6	0.0	0.0%	1,766.3	24.8%	7,132.9	0.0
5.09.03.04	Initial IHLW Storage Facility (W-464)	<u>109.4</u>	<u>109.4</u>	<u>35.1</u>	0.0	0.0%	<u>74.3</u>	67.9%	<u>109.4</u>	<u>0.0</u>
	TOTAL TREAT AND DISPOSE WASTE	<u>43,512.4</u>	<u>55,878.4</u>	<u>53,424.5</u>	<u>12,366.0</u>	28.4%	<u>2,454.0</u>	4.4%	<u>49,935.7</u>	<u>13,841.7</u>
5.10	ANALYTICAL/TECHNICAL SERVICES	<u>45,617.1</u>	<u>45,408.1</u>	<u>41,401.4</u>	<u>(209.0)</u>	-0.5%	<u>4,006.7</u>	8.8%	<u>76,652.5</u>	<u>0.0</u>
TFC TOTAL		<u>543,398.8</u>	<u>586,805.9</u>	<u>537,132.0</u>	<u>43,407.0</u>	<u>8.0%</u>	<u>49,673.9</u>	<u>8.5%</u>	<u>819,939.0</u>	<u>101,643.6</u>

Note: 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; DST/Cross-Site Transfers; and DBVS Technology Development.

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

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

BAC

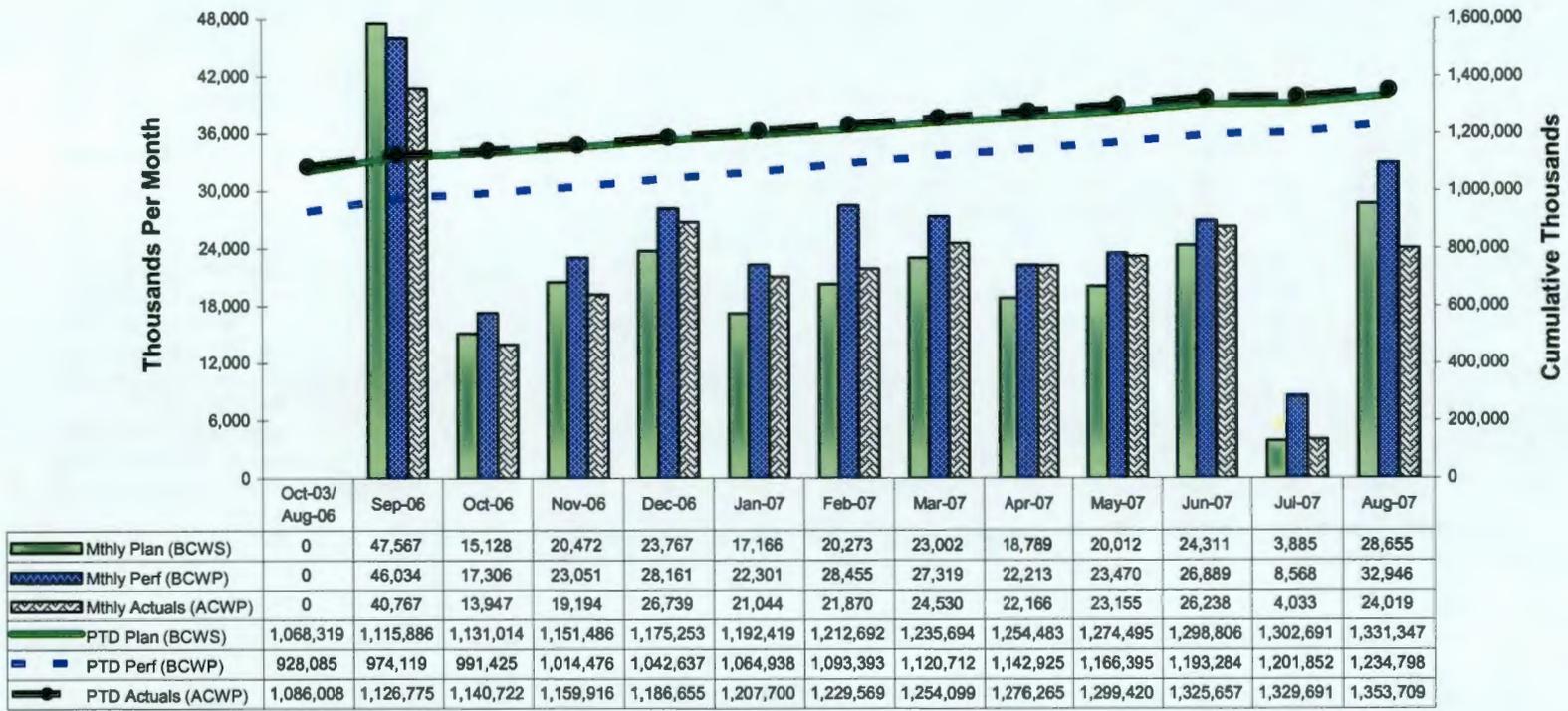
Adjusted Total with Accelerated Scope

819,939.0

921,582.6

PROGRAM-TO-DATE (PTD) Performance - Graph

CH2M HILL Program-to-Date Performance (\$000)
10/2003 - 08/2007



BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

PTD Cost/Schedule Performance - Chart

CH2M HILL Hanford Group, Inc.
CUMULATIVE PERFORMANCE MEASUREMENT - 10/2003 - 08/2007
BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

WBS	TITLE	Cumulative Program-To-Date								
		Budgeted Cost			Actual Cost Work Performed	Variance				Budget at Completion (BAC) *
		Work Scheduled	Work Performed	Schedule		SV %	Cost	CV %		
5.07	BASE OPERATIONS - Excluding 5.07.02	521,811.0	518,956.7	511,805.8	(2,854.3)	-0.5%	7,150.8	1.4%	672,540.8	
5.07.02	Env/TPA Milestone Achievement	<u>92,778.1</u>	<u>87,649.0</u>	<u>77,052.5</u>	<u>(5,129.0)</u>	-5.5%	<u>10,596.5</u>	12.1%	106,943.4	
	TOTAL BASE OPERATIONS	<u>614,589.0</u>	<u>606,605.7</u>	<u>588,858.3</u>	<u>(7,983.3)</u>	-1.3%	<u>17,747.3</u>	2.9%	<u>779,484.2</u>	
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS elements	6,785.7	7,208.3	4,425.0	422.6	6.2%	2,783.3	38.6%	6,785.8	
5.08.02	WTP Feed Delivery Program	35,365.1	35,199.7	43,288.4	(165.5)	-0.5%	(8,088.7)	-23.0%	43,464.8	
5.08.03	DST Retrieval Program	30,547.2	21,608.2	25,606.8	(8,939.0)	-29.3%	(3,998.6)	-18.5%	30,547.2	
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	37,633.4	37,517.2	44,656.9	(116.2)	-0.3%	(7,139.7)	-19.0%	37,633.4	
5.08.04.02	Upgrade Transfer System (E-525)	17,307.8	14,165.1	26,709.8	(3,142.7)	-18.2%	(12,544.7)	-88.6%	17,307.8	
5.08.05	Retrieval / Closure Program	186,530.3	174,739.7	186,562.2	(11,790.5)	-6.3%	(11,822.5)	-6.8%	239,203.1	
5.08.06/.07	SST Retrieval East / West Area	133,368.2	103,587.1	170,326.6	(29,781.2)	-22.3%	(66,739.6)	-64.4%	145,864.4	
5.08.12/.13	SST Closure	<u>17,410.1</u>	<u>7,548.4</u>	<u>10,983.0</u>	<u>(9,861.7)</u>	-56.6%	<u>(3,434.6)</u>	-45.5%	<u>17,765.9</u>	
	TOTAL RETRIEVE AND CLOSE	<u>464,947.8</u>	<u>401,573.6</u>	<u>512,558.8</u>	<u>(63,374.2)</u>	-13.6%	<u>(110,985.2)</u>	-27.6%	<u>538,572.4</u>	
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	30,460.4	27,592.2	21,381.1	(2,868.2)	-9.4%	6,211.2	22.5%	37,805.2	
5.09.02.02	TRU / LLW Packaging	28,343.4	11,695.5	19,883.5	(16,647.9)	-58.7%	(8,188.0)	-70.0%	28,343.4	
5.09.02.03/.08	LAW Treatment	6,005.9	5,850.7	6,180.8	(155.2)	-2.6%	(330.1)	-5.6%	5,409.9	
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	58,842.4	59,733.5	97,126.4	891.1	1.5%	(37,392.9)	-62.6%	58,842.4	
5.09.03.01	Integrated Disposal Facility	33,911.0	29,670.8	20,707.9	(4,240.2)	-12.5%	8,962.9	30.2%	33,993.8	
5.09.03.04	Initial IHLW Storage Facility (W-464)	<u>4,789.3</u>	<u>4,553.4</u>	<u>2,673.2</u>	<u>(235.9)</u>	-4.9%	<u>1,880.2</u>	41.3%	<u>4,789.3</u>	
	TOTAL TREAT AND DISPOSE WASTE	<u>162,352.3</u>	<u>139,096.1</u>	<u>167,952.8</u>	<u>(23,256.3)</u>	-14.3%	<u>(28,856.7)</u>	-20.7%	<u>169,184.0</u>	
5.10	ANALYTICAL/TECHNICAL SERVICES	<u>89,457.4</u>	<u>87,522.9</u>	<u>84,339.5</u>	<u>(1,934.5)</u>	-2.2%	<u>3,183.3</u>	3.6%	<u>121,749.8</u>	
RPP TOTAL		<u>1,331,346.6</u>	<u>1,234,798.2</u>	<u>1,353,709.4</u>	<u>(96,548.4)</u>	-7.3%	<u>(118,911.3)</u>	-9.6%	<u>1,608,990.4</u>	

* BAC on this chart and in succeeding Cumulative Performance tables is for the period through FY 2008, and does not include scope that is accelerated from outside the contract period.

EXECUTIVE SUMMARY

ON

TANK FARM EARNED VALUE REPORTING

The Executive Summary reports the cost and schedule performance for the Tank Farm Contractor (TFC), CH2M HILL Hanford Group, Inc. for the month of August 2007.

The company's contract-to-date (CTD) positive cost variance increased in the current month (CM) by \$8.9M to \$49.7M. The CM increase was due to a point adjustment to add budget for Advanced Technologies and Laboratories International, Inc. (ATL) Readiness to Serve, and efficiencies in DBVS, Tank 241-C-110 Retrieval preparation, and Essential Services. The favorable cost variance was partially offset by unplanned costs to address the Tank 241-S-102 spill event.

The primary contributors to the CTD positive cost variance continue to be: Chief Financial Officer (CFO) - Business Services due to pass backs for over liquidation of continuity of service; CFO-Site Services due to reduced costs plus a lower allocation percentage for shared services; efficiencies on C and S-Farm Retrievals; and WFO Base Operations due to efficiencies realized in performing Double-Shell Tank (DST) Isolation, DST to DST transfers, and SY-PPP Line Replacement. These positive cost variances are partially offset by negative variances: DBVS due to additional labor and subcontract support required for the extended AMEC Earth and Environmental, Inc. (AMEC) design effort completed in FY 2006, and Expert Review Panel and Molten Ionic Salt issues; Safety Program due to the Environmental Health Program and its incremental costs for vapor sample analysis in FY 2006; DST Space Management Project due to delays and rework required to modify and fit-up the AP slurry line jumpers; and Tanks 241-C-103 and C-200 tanks due to technical issues.

The company's CTD positive schedule variance increased in the CM by \$4.3M to \$43.4M. The increase is primarily due to acceleration of DBVS activities; Tanks 241-C-104 and 241-C-110 retrieval preparation; and positive performance on the 242-A Evaporator campaigns and Vadose Resource Conservation and Recovery Act of 1976 (RCRA) Corrective Actions; partially offset by negative variance on Tank 241-C-108 Retrieval, where retrieval operations were temporarily halted. The CTD variance is primarily due to accelerated work on Tanks 241-S-102 and 241-C-104; favorable performance on Tanks 241-C-109 and 241-C-108; completion of DBVS work in FY 2007 supporting the Expert Review Panel issue resolution planned for performance in FY 2009; WFO Base Operations due to accelerated tank to tank transfers and SY-PPP Line Replacement; and Project W-314 due to Phase 2 SY and AW Upgrades accelerated scope.

5.07 - BASE OPERATIONS (EXCLUDES 5.07.02)

Scope Description: The baseline scope for this Work Breakdown Structure (WBS) includes monitoring and maintaining the DST and equipment in compliance with Technical Safety Requirements (TSRs), and Environmental, Safety, Health and Quality programmatic requirements. This 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, contract fee for FY 2006 is included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	13,421.7	13,211.6	10,115.1	(210.1) -1.6%	3,096.4 23.4%	
CTD	261,481.9	262,025.1	240,183.8	543.2 0.2%	21,841.3 8.3%	412,773.7
PTD	521,811.0	518,956.7	511,805.8	(2,845.3) -0.5%	7,150.8 1.4%	672,540.8

Note (All tables): Dollars in thousands.

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are within the threshold of ± 10 percent or \$1M. The program-to-date (PTD) unfavorable variance is primarily due to the contract fee associated with PBI milestones not being earned in FY 2006 as planned.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable variance is due to the actual costs billed to CH2M HILL by Fluor Hanford, Inc. for Essential Services being less than planned; performance for Evaporator Upgrades was understated in July and

corrected in August; and there is a one month lag in receipt of costs for core sample analytical reports. The CTD and PTD favorable variances are due to receipt of FY 2006 year-end cost pass backs for continuity of service and to moving spare parts inventory from this cost account to Operations accounts. Additionally, costs are lower than planned for Site-Wide Shared Services, Advanced Medical Services, Business and Occupation taxes, expenses related to site layoffs, work for others, and Project support costs. The favorable variance is partially offset by higher than planned costs for the Environmental Health Program sampling activity, the Readiness to Serve adder from ATL, WFO surveillance, and the Tank 241-AN-107 Chemistry Optimization activity.

Impact: None.

Corrective Action: None required.

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. Scope includes compliance efforts to meet Tri-Party Agreement 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	1,580.1	2,061.2	1,648.7	481.1 30.4%	412.5 20.0%	
CTD	34,821.1	38,417.1	36,542.6	3,596.0 10.3%	1,874.5 4.9%	48,986.5
PTD	92,778.1	87,649.0	77,052.5	(5,129.0) -5.5%	10,596.5 12.1%	106,943.4

SCHEDULE VARIANCE

Description and Cause: The CM favorable variance is due to acceleration of an additional evaporator campaign from FY 2008 to FY 2007. The CTD favorable variance is due to early completion of AN-A and B pit work, DST to DST Transfers and Cross-Site Transfers to support SST retrievals, Evaporator Upgrades, work scope for the SY-PPP Line Replacement, and acceleration of the evaporator campaign. The PTD unfavorable variance is due to deferral of certain DST Infrastructure and Tank Farm Upgrades activities; delays in DST UT activities caused by vapor mitigation activities and the need to rescan two DSTs; and vendor-experienced software problems.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance is due to realized efficiencies by performing back-to-back evaporator campaigns in July and August, and labor efficiencies on DST to DST Transfers by using shift personnel to perform work instead of using overtime. The CTD favorable variance is due to efficiencies in completing waste transfers, DST Facility Upgrades, and the 242-A Evaporator 7-01 Campaign; partially offset by unfavorable variances due to the use of supplied air (FY 2006), SY PPP Line Replacement design changes, equipment failures in DST Integrity Project, Catch Tank Pumping, and the DST Space Management Project. The PTD favorable cost variance is due to lower than planned level-of-effort support to DST waste transfers as a result of delays in SST retrievals, and underruns in certain level-of-effort DST Space Management Project activities.

Impact: None.

Corrective Action: None required.

5.08 - RETRIEVE AND CLOSE (EXCLUDES

5.08.02/.03; 5.08.04.01/.02; 5.08.05/.06/.07/.12/.13)

Scope Description: The remaining scope in the baseline for WBS 5.08 is Interim Stabilization, and installation and startup of the AP-101 Waste Transfer Pumping System. Work in this WBS removes pumpable liquids from SSTs to minimize the risk of leakage (referred to as "Interim Stabilization") and meet Consent Decree commitments. The scope also includes consolidation of some of the activities associated with interim isolation of tanks with retrieval and closure of SSTs. In the future, specific life cycle scope in this WBS also 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 DOE, Office of River Protection (ORP).

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	1.5	0.0 0.0%	(1.5) -1.5%	
CTD	0.0	268.4	199.2	268.4 268.4%	69.2 25.8%	0.0
PTD	6,785.7	7,208.3	4,425.0	422.6 6.2%	2,783.3 38.6%	6,785.8

SCHEDULE VARIANCE

Description and Cause: The CTD favorable variance is due to acceleration of work scope into FY 2007 at the direction of the ORP. This work scope was for the preparation of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 IS-1 work plans in support of DOE, Richland Operations Office (RL) Tri-Party Agreement Milestones M-15-XX. The PTD favorable variance is within the threshold of ± 10 percent or \$1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM reflects a negligible favorable variance. The CTD favorable cost variance is due to costs related to closure of old cross site transfer lines being less than planned. The PTD favorable variance is due to Interim Stabilization activities, which were completed under the estimated cost, but is partially offset by the AP-101 Transfer Pump Replacement, where costs were in excess of baseline estimates due to vapor mitigation activities and the use of significant amount of overtime.

Impact: No impact.

Corrective Action: None required.

5.08.02 - WASTE TREATMENT PLANT (WTP) 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 Waste Treatment Plant (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	720.5	720.5	628.2	0.0 0.0%	92.3 12.8%	
CTD	13,920.2	13,920.2	12,536.7	0.1 0.0%	1,383.5 9.9%	22,019.8
PTD	35,365.1	35,199.7	43,288.4	(165.5) -0.5%	(8,088.7) -23.0%	43,464.8

SCHEDULE VARIANCE

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

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable variance is due to efficiencies realized from improved systems and organizational realignment. The CTD favorable variance is due to labor efficiencies primarily in project staff to support

the Project Delivery management team. The PTD unfavorable cost variance is due to greater than planned costs for support of vapor mitigation activities.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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	80.3	20.3	80.3 80.3%	60.0 74.7%	
CTD	1,676.3	1,823.5	2,186.7	147.3 8.8%	(363.2) -19.9%	1,676.3
PTD	30,547.2	21,608.2	25,606.8	(8,939.0) -29.3%	(3,998.6) -18.5%	30,547.2

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to performing work on Tank-241-AN-101 Retrieval Systems ahead of schedule in support of Tank-241-C-104 retrieval preparation. The PTD unfavorable variance is a result of deferring the Tanks 241-AY-101, 241-AY-102, and 241-AZ-102 Retrieval Systems, and start-up of the Tank 241-AN-101 Retrieval System to future years.

Impact: There is no adverse impact to the overall project and near-term waste transfers.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. The behind schedule PTD scope has been replanned in the revised baseline, and full implementation of this revised baseline will provide management with a more meaningful tool to assess performance.

COST VARIANCE

Description and Cause: The CM reflects a minimal favorable variance resulting from the use of fewer resources than planned on the AN-101 Retrieval System activities. The CTD unfavorable variance is due to the higher than planned negotiated costs for design of the Tank 241-AN-101 mixer pump. The PTD unfavorable cost variance is primarily due to costs related to added scope, the as-built drawings effort, and vapor mitigation activities on the Tank 241-AN-101 Retrieval System.

Impact: The PTD unfavorable variance is unrecoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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 waste feed delivery to the WTP and to correct environmental compliance deficiencies with the tank farm support systems.

Work scope includes waste transfer line installation, valve pit upgrades, ventilation system upgrades, instrument/control system upgrades, electrical distribution system upgrades and installation of a Master Pump Shutdown (MPS) system. The project scope includes Phase 1 and 2 upgrades in seven different tank farms (AN, AW, AY, AZ, AP, SY, and A), as well as transfer system upgrades between tank farms.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	187.5	315.6	187.5 187.5%	(128.1) -68.3%	
CTD	2,865.8	5,914.3	6,221.6	3,048.5 106.4%	(307.3) -5.2%	2,865.8
PTD	37,633.4	37,517.2	44,656.9	(116.2) -0.3%	(7,139.7) -19.0%	37,633.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to the acceleration of selected Project W-314 work scope from FY 2009. The PTD unfavorable variance is within the threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable variance is due to increased labor resources required to support the MPS Startup and costs for the new software license and system upgrades. The CTD unfavorable variance is within the

threshold of ± 10 percent or \$1M. The PTD unfavorable variance is primarily caused by vapor mitigation activities and as-found field conditions, which resulted in additional effort in field construction, and extended project management and engineering support.

Impact: The PTD cost variance is not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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 Tri-Party Agreement 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
PTD	17,307.8	14,165.1	26,709.8	(3,142.7) -18.2%	(12,544.7) -88.6%	17,307.8

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable variance is primarily due to deferral of the remaining field construction for the AZ-151 Catch Tank Bypass, SY-Farm Transfer Line Upgrades, and the remaining AW-Farm COBs, because of operational priorities and funding reductions.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not

been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CTD unfavorable variance is due to performing COBs and SY-Farm Transfer Line Backfill work on supplied air (not budgeted), partially offset by underruns on the AZ-151 Catch Tank Bypass Construction and efficiencies in Project Support. The PTD unfavorable cost variance is primarily in Field Construction and is due to unplanned costs attributable to unexpected as-found field conditions, enhanced work package development/approval, and vapor mitigation activities.

Impact: The PTD cost overruns are not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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, cold test facility 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	5,297.6	5,109.9	4,102.0	(187.6) -3.5%	1,007.9 19.7%	
CTD	96,301.5	94,923.3	86,535.5	(1,378.2) -1.4%	8,387.8 8.8%	148,974.5
PTD	186,530.3	174,739.7	186,562.2	(11,790.5) -6.3%	(11,822.54)) -6.8%	239,203.1

SCHEDULE VARIANCE

Description and Cause: The CM unfavorable variance is within the threshold of ± 10 percent or \$1M. The CTD unfavorable variance is due to delays in procurement and construction related to safety significant equipment on the 244-CR Vault; completing the design for the T-Farm Surface Barrier; in the engineering life extension study to support HIHTL disposition; and for Tank Farm Risk Assessments in receiving regulator's comments for the Single-Shell Tank System Performance Assessment. The PTD unfavorable schedule variance is primarily because of delays for field work on Vadose Zone RCRA Corrective Actions activities (resource availability issues, vapor mitigation activities, and weather delays); starting Tank Farm Risk Assessments modeling and waste constituent studies; and in Liquid Level and Video Assessment, and HIHTL

disposal activities (vapor mitigation activities, radiological conditions, and weather delays).

Impact: It is now expected that the baseline date of September 30, 2007, for completion of the T-Farm Surface Barrier will be missed. The revised date is December 31, 2007.

Corrective Action: The T-Farm Surface Barrier construction is in progress. Fiscal year 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance is due to SST Operations Essential Services, where lower than expected labor charges are being experienced in completion of basic preventive and corrective maintenance activities. In addition, there was a lag in receipt of contractor billing on Vadose RCRA Corrective Actions activities. The CTD favorable cost variance is because of 1) labor underruns due to Closure Operations support to other Projects; 2) efficiencies in performing the DST Component Isolation accelerated work scope; and 3) costs are less than expected for Vadose Zone Corrective Actions field work and 244-CR Vault activities. The PTD unfavorable cost variance is due to unplanned Closure Project surveillance and monitoring costs for vapor mitigation activities and the use of increased overtime.

Impact: The PTD variances are not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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	1,304.0	3,083.8	3,560.6	1,779.8 136.5%	(476.9) -15.5%	
CTD	39,744.2	64,769.8	54,211.7	25,025.6 63.0%	10,558.1 16.3%	52,240.1
PTD	133,368.2	103,587.1	170,326.6	(29,781.2) -22.3%	(66,739.6) -64.4%	145,864.4

SCHEDULE VARIANCE

Description and Cause: The CM favorable variance is primarily due to acceleration of Tank 241-C-110 Tank Retrieval Design, and Tank 241-C-104 Design, Procurement, and Construction scope; partially offset by an unfavorable variance on Tank 241-C-108 where retrieval operations were temporarily suspended pending acquisition and deployment of the MRT. The CTD favorable variance is due to acceleration of Tanks 241-S-102 and 241-C-108 retrieval activities; and early start of Tank 241-C-109 retrieval and 241-C-104 preparation. The PTD unfavorable schedule variance is due to delays in C-Farm Modified Sluicing and Mobile Retrieval Systems design; C-Farm retrievals due to vapor mitigation activities and as-found conditions such as the potential for gelling and high radiation; development of multiple retrieval systems and the need for multiple evolutions due to tank waste characteristics; and deferral of B, T, and U-Farm retrievals.

Impact: The PTD issues identified have caused an extension in the schedules for retrieval operations.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM unfavorable variance is due to unplanned costs in response to the Tank 241-S-102 leak event mitigation and recovery. Additionally, costs were recognized in August for several Tank 241-S-102 procurements. The CTD favorable variance is due to Tank 241-C-108 system installation, and startup and readiness scope requiring fewer resources than planned; efficiencies on Tanks 241-S-102 and 241-S-112; and Tank 241-C-109 design costs are lower than planned due to the ability to use data from Tank 241-C-108. The CTD favorable variance is partially offset by the unfavorable variance on Tank 241-C-103 due to unplanned costs to address retrieval issues. The PTD unfavorable cost variance for SST retrievals is due to a realization of risks in the field for which no contingency was planned, including higher than planned material and fabrication costs, longer than planned retrieval durations, increased special equipment and engineering costs, rework due to improvements to the work planning process, weather delays resulting in work stoppages, costs associated with vapor mitigation activities, costs for a second pumping system for Tank 241-S-102, and costs for the partial retrieval of Tank 241-S-109 test waste in support of the DBVS.

Impact: The impact of the Tank 241-S-102 spill event on future retrieval operations is being evaluated. Unplanned PTD costs are impacting ability to complete all approved baseline scope.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term

revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

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	31.6	31.6	32.2	0.0 0.0%	(0.6) -1.8%	
CTD	746.1	745.3	705.5	(0.8) -0.1%	39.9 5.3%	1,101.8
PTD	17,410.1	7,548.4	10,983.0	(9,861.7) -56.6%	(3,434.6) -45.5%	17,765.9

SCHEDULE VARIANCE

Description and Cause: The CTD unfavorable variance is within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is primarily due to the delays in the approval of the Tank Closure and Waste Management (TC&WM) Environmental Impact Statement (EIS) Record of Decision (ROD).

Impact: Closure of SSTs is dependent on the issuance of the TC&WM EIS ROD.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM and CTD variances are within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is due to higher than planned costs for sampling and analytical work, and closure design and work package planning.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.09 - TREAT & 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 IHLW Shipping Facility support, and support to the Tri-Party Agreement Milestone M-62-08 deliverables. Also included are the Failed Melter Disposal System and future expansions to Integrated Disposal Facility (IDF). Both are outside of the contract-to-date 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	479.8	496.6	205.6	16.9 3.5%	291.1 58.6%	
CTD	8,274.3	8,248.5	6,658.9	(25.8) -0.3%	1,589.5 19.3%	13,904.0
PTD	30,460.4	27,592.2	21,381.1	(2,868.2) -9.4%	6,211.2 22.5%	37,805.2

SCHEDULE VARIANCE

Description and Cause: The CM and CTD unfavorable variances are within the threshold of ± 10 percent or \$1M. The PTD unfavorable schedule variance is because of delay in Project W-QQQ (Hanford Shipping Facility) in order to fund higher priority work.

Impact: No impact.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term

revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance is due to labor efficiencies and reduced electrical usage at WTP. The CTD and PTD favorable variances are due to efficiencies in WTP interface, Immobilized Low-activity Waste (ILAW) Performance Assessment, and Strategic Planning activities.

Impact: No impact.

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
PTD	28,343.4	11,695.5	19,883.5	(16,647.9) -58.7%	(8,188.0) -70.0%	28,343.4

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable schedule variance result primarily from permitting related delays in converting a Research, Development, and Demonstration permit into an extensive Part B permit; National Environmental Policy Act of 1969 (NEPA) permitting and Part B certification issuance delays; and delays due to the ORP's decision to issue the Preliminary Documented Safety Analysis (PDSA) as new scope, in addition to the planned Documented Safety Analysis amendment. Consequently, the ORP directed a

ramp-down of the Transuranic Waste project to place the project in indeterminate standby until resolution of NEPA and other permitting issues.

Impact: None

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The negligible CTD unfavorable variance is due to residual costs received in early FY 2006. The PTD unfavorable variance results from unplanned costs for rework associated with NEPA document revision per the ORP, new scope to issue the PDSA, and the packaging vendor's inadequate design estimation.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.09.02.03/.08 - LAW TREATMENT (FRACTIONAL CRYSTALLIZATION)

Scope Description: The baseline provides for 1) Bulk Vitrification / Containerized Grout including: issue Request for Proposal for Containerized Grout pre-down-select effort; issue Request for Proposal for Bulk Vitrification pre-down-select effort; award contract to vendor for testing and engineering pre-conceptual design development; contract costs for vendor testing and design; support contract testing and design; and issue pre-down-select data package; 2) Steam Reforming: prepare conceptual design for Hanford-deployable Steam Reforming unit; and award contract to vendor for testing and engineering pre-conceptual design development; 3) Issue pre-down-select data package; 4) Pre-Treatment/Sulfate Removal: evaluate dissolution progress during Tanks 241-S-102 and 241-U-107 retrieval operations; and evaluate high integrity containers for cesium removal; 5) Post Down Select: perform long-lead permitting activities: issue procurement package and award contract for LAW supplemental treatment system construction; contract costs for vendor design, fabrication, and testing; support contractor design, fabrication, and testing; issue design; implement field modifications for tank farm LAW system deployment; and operate LAW system; and 6) This scope of work also is to collect data and perform testing to evaluate Supplemental Treatment Pretreatment technologies, including fractional crystallization studies (EM-20 funding).

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	70.3	70.3	62.4	0.0 0.0%	7.9 11.2%	
CTD	1,356.6	1,356.7	1,389.6	0.1 0.0%	(32.9) -2.4%	2,150.2
PTD	6,005.9	5,850.7	6,180.8	(155.2) -2.6%	(330.1) -5.6%	5,409.9

SCHEDULE VARIANCE

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

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM reflects a negligible favorable variance. The CTD and PTD unfavorable variances are within the threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: None required.

5.09.02.05/.11 - DEMONSTRATION BULK VITRIFICATION SYSTEM (DBVS) PROJECT

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

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	2,226.1	1,236.8	2,226.1 2,226.1%	989.3 44.4%	
CTD	26,639.2	39,031.0	39,908.6	12,391.8 46.5%	(877.7) -2.2%	26,639.2
PTD	58,842.4	59,733.5	97,126.4	891.1 1.5%	(37,392.9) -62.6%	58,842.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to the DBVS Project accomplishing accelerated work this fiscal year that is planned for performance in FY 2009. This early performance of work supports resolution of the Expert Review Panel issues. The PTD favorable variance is within the threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance results from significant budgeted cost of work performed claimed for the month associated with the IDMT compared to the more uniform month-to-month cost from the testing subcontractor. The CTD unfavorable variance is within the threshold of ± 10 percent or \$1M. The PTD unfavorable cost variance is a realization of risks for which no contingency was planned, including higher than anticipated negotiated contract costs with AMEC for design, fabrication, and installation; and new project scope (Engineering Scale-13).

Impact: The PTD variance is not recoverable.

Corrective Action: None required.

5.09.03.01 - INTEGRATED DISPOSAL FACILITY

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

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	7,132.9	7,132.9	5,366.6	0.0 0.0%	1,766.3 24.8%	7,132.9
PTD	33,911.0	29,670.8	20,707.9	(4,240.2) -12.5%	8,962.9 30.2%	33,993.8

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable schedule variance is a function of implementation of the Interim Baseline in FY 2006. The IDF was completed on schedule in April 2006, and is currently in a "Care and Custody" condition. The variance will be eliminated with approval and implementation of the revised baseline.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CTD favorable variance is due to effective management of construction changes, utilization of internal engineering resources rather than subcontracted support, and less project management resource usage than planned. The project realized a favorable variance at construction completion, but a portion of this variance will be required to fund Care and Custody of the facility. The PTD favorable variance is due to the favorable fixed-price contract for the IDF.

Impact: No impact.

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 immobilized high-level waste (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
PTD	4,789.3	4,553.4	2,673.2	(235.9) -4.9%	1,880.2 41.3%	4,789.3

SCHEDULE VARIANCE

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

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable variance is due to effective project management and utilizing less project management support resources than planned. The PTD favorable variance is due to efficiencies realized on the detailed design activity, resulting from favorable contract performance.

Impact: No impact.

Corrective Action: None required.

5.10 - ANALYTICAL TECHNICAL SERVICES

Scope Description: The baseline scope includes Analytical Technical Services (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 NEPA 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	5,749.8	5,666.7	2,089.6	(83.1) -1.4%	3,577.0 63.1%	
CTD	45,617.1	45,408.1	41,401.4	(209.0) -0.5%	4,006.7 8.8%	76,652.5
PTD	89,457.4	87,522.9	84,339.5	(1,934.5) -2.2%	3,183.3 3.6%	121,749.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD unfavorable variances are within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is due to delay of several facility upgrade activities.

Impact: Due to FY 2004 funding constraints, planned facility upgrades that were identified as safety concerns were deferred. The safety issues have been remediated to eliminate any potential safety hazards and will be completed. The deferral will have no impact on 10CFR851, the DOE order on worker health and safety protection. Currently the facility upgrades are scheduled to be completed in FY 2009 through the approval and implementation of BCR RPP-06-051 "Deferrals and Deletions"

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM favorable variance is related to the implementation of BCR RPP-07-006 Rev. 1, "ATL Readiness to Serve" and represents an adjustment in the current month to reflect the incorporation of the ATL Readiness to Serve work scope. The CTD and PTD favorable variances are comprised of 1) less than planned dedicated and matrixed staff in support of Maintenance, Production Control and Technology Development and 2) planning labor rates being greater than actual costs; revised waste volume projections that are less than originally planned. Additionally, PTD unplanned costs have been incurred relative to the transition of the 222-S Laboratory analysis activities to ATL. Specific costs include ATL transition costs, Information Resource Management Desktop support, and Waste Management of laboratory samples. These costs have been offset by favorable variances elsewhere in the ATS program.

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: Missed. Discussions between Ecology and ORP are ongoing regarding scope and schedule for this report. A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

- **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: 01/31/07

Status: Missed-Change Request Pending. Document is on schedule for January 2008 submittal. Of 33 chapters (focused on the general reader) drafts have been generated for all chapters. Of the 14 appendices (focused on general audiences), 13 drafts have been generated, including the draft WMA C & A/AX Field Investigation Report (FIR). Draft chapters and appendices have been sent to Ecology and EPA for informal review. Samples from the last field work (WMA U) have been sent to the laboratory, and Tier 1 analyses completed, allowing the completion of the WMA U FIR. Six detailed documents (focused for the subject matter expert) have been released with an additional two undergoing external Hanford review.

A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

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

Due: 07/31/07

Status: Complete per July 24, 2007 meeting with Ecology.

- **M-45-58, Submit to Ecology for review and approval as an Agreement primary document a RCRA Corrective Actions Corrective Measures Study for WMAs S-SX, T-TX-TY, B-BX-BY, A-AX, C, and U.**

Due: 06/30/07

Status: Missed. A TPA change request, letter 07-TPD-033 was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

- **M-45-60,**
- **Submit to Ecology for review and approval as an Agreement primary document DOE's RCRA Corrective Actions Work Plan for SST WMAs.**

Due: 09/30/07

Status: Missed. A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

II. Significant Accomplishments:

- Surface Geophysical Exploration of B, BX, and BY tank farms as well as surrounding liquid disposal sites was initiated on 10/23/06. Data collection was completed on 4/13/2007. Analysis of the data has been completed; report (RPP-34690) has been issued.
- All sampling associated with WMA U has been completed with 23 samples submitted for laboratory analyses; Tier 1 analyses of these samples has been completed.
- The T-Farm interim barrier design was completed and sent out for construction bid. Bids have been received, evaluated, and let. Mobilization is underway. Active construction has started.

III. Significant Planned Actions in the Next Six Months:

- Complete construction of the interim surface barriers at T-106.
- Complete SGE data collection at WMA TX-TY.
- Issue RCRA Facility Investigation Report (with the Field Investigation Reports for A, AX, C, and U WMAs as Appendices)
- Comment disposition workshops will continue on the initial SST-PA
- Start direct push work at C WMA (Ecology has approved effort via July 31, 2007 letter)

IV. Issues

A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

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

- **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: To Be 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
- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
Due: 9/30/18
Status: To Be Missed
- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/07
Status: To Be Missed
- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/08
Status: To Be Missed
- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
Due: 9/30/09
Status: To Be Missed
- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**

- Due: 9/30/10
Status: To Be Missed
- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
Due: 9/30/11
Status: To Be Missed
 - **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
Due: 9/30/12
Status: To Be Missed
 - **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
Due: 9/30/13
Status: To Be Missed
 - **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
Due: 9/30/14
Status: To Be Missed
 - **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/15
Status: To Be Missed
 - **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/16
Status: To Be Missed
 - **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/17
Status: To Be Missed
 - **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
 - **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
Due: 3/31/12
Status: To Be Missed

- **M-45-06-T04, Complete Closure Actions on one WMA**
Due: 3/31/14
Status: To Be Missed

II. Significant Accomplishments

- Continued design work for the C-104 retrieval system.

III. Significant Planned Activities in the Next Six Months

- Reach resolution on missed M-45-00B and M45-00C milestones.
- Deploy FoldTrak in C-109 and complete retrieval.
- Deploy FoldTrak in C-108 and complete retrieval.
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP and obtain Ecology approval.
- Complete interim lay-up of C-200 retrieval system.
- Obtain Ecology approval of C-110 TWRWP.

IV. Issues

- The MRS TWRWP, the last of the TWRWPs identified in Milestone M-45-00B, has not been approved by Ecology. ORP submitted a revised MRS TWRWP for tanks C-101/105/111 to Ecology on April 26, 2007. On May 7, 2007, Ecology notified ORP that Ecology was extending its review of this TWRWP to June 30, 2007.
- Milestones M-45-00B (retrieve all C-Farm tanks) and M-45-00C (initiate negotiations on next set of SST retrievals) were both due on September 30, 2006 and 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	11/14/07	2/19/08	2/6/08	3/20/08	10/28/08	9/28/08	9/3/09
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	Complete	2/1/08	4/3/08	3/10/09
C-109	Complete	Complete	Complete	Complete	1/29/08	12/27/08	6/5/08
C-110 ^b	11/29/07	4/1/08	3/30/08	4/30/08	12/3/08	11/3/08	7/29/09
C-111	8/18/14	9/21/15	11/21/15	12/21/15	4/28/16	3/28/16	1/31/17
C-112	10/18/13	7/23/14	9/9/14	10/9/14	3/25/15	2/25/15	3/1/17
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	Complete

a. Completion dates are based on the stated performance baseline as of 9/30/07 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.

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: On schedule
- **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

None

III. Significant Planned Activities in the Next Six Months

- ORP and Ecology work jointly to develop modeling assumptions and inputs in support of the M-45-02N deliverable.

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: 12/31/07

Status: To be missed. Change Request pending.

II. Significant Accomplishments

- Completed "mock-up" hose draining and removal activities in preparation for removing the line believed to have caused the July 26 leak at S-102.

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.

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.
- Milestone M-45-15 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure EIS (Ecology letter dated August 15, 2006).

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: 12/31/07
Status: To be missed. Change Request pending.

II. Significant Accomplishments

- None

III. Significant Planned Activities in the Next Six Months

- Prepare and submit the S-112 RDR.

IV. Issues

- Milestone M-45-13 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure EIS (Ecology letter dated August 15, 2006).

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.

Milestone M-23-00, Tank Integrity and Monitoring

- I. **Near-Term Deliverables:**
None.
- II. **Significant Accomplishments:**
Transmitted, "241-BY-ITS1 Liquid Level Assessment Report", RPP-RPT-32085, Revision 0, to Ecology on June 8, 2007. This closes out this milestone.
- III. **Significant Planned Actions in the Next Six Months:**
None
- IV. **Issues**
Nothing to report.

In Tank Characterization and Summary

For the period from September 1 – September 30, 2007

I. Accomplishments:

- Completed tank 241-S-102 process memo, PM-CP-07-008, Sampling Plan for 241-S-102 Dilution Hose Liquid Captured in Drum, on September 27, 2007.
- Completed tank 241-S-112 residual waste inventory document, RPP-RPT-34567, Tank 241-S-112 Residual Waste Inventory Estimates for Component Closure risk Assessment, on September 25, 2007.
- Completed tank 241-C-203, RPP-RPT-27233, Tank 241-C-203 Residual Waste Inventory Estimates for Component Closure Risk Assessment, Rev. 2, on September 18, 2007.

II. Planned Action within the next Six Months:

Tank Sampling

- Tank 241-S-102 hose liquid sample scheduled for October 2007.
- Tank 241-AP-108 core corrosion samples scheduled for November 2007.
- Tank 241-S-302 solid grab samples scheduled for October 2007.
- Tank 241-AP-103 core samples scheduled for February 2008.
- Tank 241-AW-105 grab samples scheduled for November 2007.
- Tank 241-AY-101 grab samples scheduled for November 2008.

BBI Updates

- Of the 11 updates planned for the fourth quarter of FY 2007, nine were completed. Two updates were postponed until the first quarter of FY2008. Publication is expected to be complete the week of October 8, 2007.
- Sixteen updates are planned for the first quarter of FY 2008.

DQO s

- Complete Evaporator DQO, Rev. 5 in December 2007.
- Complete SST Component Closure DQO, Rev 4 in October 2007.
- Complete Environmental Vapor Stack Sampling DQO in October 2007.
- Complete Vadose Zone Area C DQO in September 2007.

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. ORP completion letter submitted to WDOE June 28, 2006, (06-TPD-043). Ecology transmitted close-out letter on 7/25/07.
- **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. ORP completion letter submitted to WDOE June 28, 2006 (06-TPD-043). Ecology transmitted close-out letter on 7/25/07.
- **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: 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:

- Receive Ecology concurrence that action and TPA Milestones M-47-02 and M-47-04 are complete (06-TPD-043).

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	AN-106 and AY-102 candidate feed staged and sampled in AW-102. Completed 7/22/07.
FY07	07-02 (08-01)	AP-104	AP-103/ AP-104	Campaign 08-01 is being accelerated to be performed as Campaign 07-02 back-to-back with 07-01
FY08	08-01 (new)	AP-105	AP-104	A proposal to add up to 2 new campaigns to the FY08 schedule is under evaluation. A baseline change request will be processed to add the campaigns if approved.
FY08	08-02 (new)	AP-101	AP-101	A proposal to add up to 2 new campaigns to the FY08 schedule is under evaluation. A baseline change request will be processed to add the campaigns if approved.
FY09	09-01	TBD	TBD	Detailed planning for FY09 and outyear campaigns subject to contract requirements.

Milestone M-48-00, DST Integrity Assessment Program

I. Deliverables:

- **M-48-14, Submit Written Integrity Report for the DST System**
Due: 3/31/06
Status: Complete.
 - **M-48-15, Submit a Report to Ecology for the Re-examination of Six DSTs by Ultrasonic Testing**
Due: 9/30/07
Status: Complete.
 - **M-48-00, Complete Tank Integrity Assessment Activities for Hanford Double Shell Tanks System**
Due: 9/30/07
Status: Complete.
 - **M-48-07, Submit To Ecology a Disposition Plan for All DST Components Not In Use Post 2005.**
Due: 12/16/2000
Status: Complete.
 - **M-48-07b, (Embedded milestone) Isolation, Stabilization and Monitoring (i.e., administrative and/or engineering controls in place to prevent use within twelve (12) months, or sooner, from the date of removal from service.**
Due: 06/30/2006
Status: Complete.
 - **M-48-07A, Complete Construction of the AZ-301 Condensate Return System and Pit Upgrades. This includes construction of the AZ-301 condensate return, removal of AZ-151 catch tank from service, construction of the AP-106A central pump pit upgrades, and construction of the SY-B valve pit upgrade (milestones M-48-07A-A, M-48-07A-B & M-48-07A-C).**
Due: 06/30/06
Status: Complete.
- M-48-07A-A, Complete Construction of the AZ-301 Condensate Return System and Pit Upgrades Remove the AZ-151 Catch Tank System from Service.**
Due: 10/31/05
Status: Complete.
- M-48-07A-B, Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 2) Completion of construction for the 241-AP-106A Central Pump Pit upgrade (remove**

existing equipment, evaluate pit integrity, and replace pit coating (if necessary) by March 31, 2006.

Due: 3/31/06 AP-106A Central Pump Pit Upgrade (Evaluate integrity of pit and replace pit coating if necessary).

Status: Complete.

- **M-48-07A-C, Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 3) Completion of construction for the 241-SY-B Central Pump Pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating (if necessary) by June 30, 2006.**

Due: 6/30/06 for complete construction for the 241-SY-B Valve Pit Upgrade (Evaluate integrity of pit and replace pit coating if necessary).

Status: Complete.

II. Significant Accomplishments:

- Transmitted the final integrity assessment reports associated with TPA Milestone M-48-15 and as a result completed M-48-00.

III. Significant Planned Actions in the Next Six Months:

- Ecology confirmation Milestone M-48-15 and Major Milestone M-48-00 have been completed.

IV. Issues

- None
-

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:

Completed resolution of EPA comments on the IDF Permit modification (submitted during the 45-day public comment period ending June 8, 2007) – August 2007.
Awaiting EPA formal withdrawal of their comment letter – October 2007

III. Significant Planned Actions in the Next Six Months:

- Determine sagebrush survival. Initiate nursery planting of 48,000 additional sagebrush to meet requirements of the Mitigation Action Plan on December 1, 2007.
- Place gravel layer on portions of the North and East side slopes to provide added protection for wind erosion. Sub-contractor to be mobilized on October 8 – Prior to Winter Weather 2007.
- Ecology prepare and issue responsiveness document for public comment received on proposed IDF Permit modification.– October 2007.
- IDF Permit modification becomes effective to place the facility in a “proactive” state –October 2007.
- By agreement between ORP and Ecology, withdrawal of the Canister Storage Facility Part B Permit Application and Part A are 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 –2007.

IV. Issues

- None.
-

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Pretreatment (PT) Facility

The PT Facility will separate the 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 and the construction completion date is October 2014. Currently the design is 67% complete and construction is 24% complete.

The PT facility construction is no longer restricted by the seismic design concerns and preparation for resumption of construction has been initiated. This work provides a new dimension to the project even though work continues on resolution of major technical issues relating to caustic leaching, Pulse Jet Mixer (PJM) overblow, vessel mixing, vessel erosion, Hydrogen in Piping and Ancillary Vessels (HPAV), and Capacity Modifications.

The Pretreatment Engineering Platform (PEP) is a test platform designed to test the caustic leaching and Ultrafiltration processes. The design effort continues to be ahead of schedule. The 90% design media review is being completed as the design is being completed. Fabrication of the modules (skids) continues at a brisk pace in Carlsbad, New Mexico. The skids are on schedule for delivery in December 2007. Modifications that are required at the Process Development Laboratory – West (PDL-W) facility where the PEP will be assembled and tested, are nearing completion. The spill barrier and the concrete footings inside the building have been completed and work is underway on utilities and slabs to support utility skids that will be located on the outside of the building. The PDL-W modification is expected to be completed in time to support the installation of the skids. Cold testing is still scheduled for February – March of 2008.

BNI determined there was a possibility that more than one pulse jet mixer (PJM) could overblow simultaneously; this is referred to as a multiple overblow (MOB). Two different

PJM arrays are being tested in Newtonian and non-Newtonian simulants. All testing has been completed for both arrays and the testing subcontractor is compiling the test data which will be analyzed to determine the loads that need to be considered in the vessels with PJMs. This analysis should be completed by the end of the year.

In response to the External Flowsheet Review Team recommendations BNI has been evaluating line plugging and mixing in the various systems within the PT facility. In doing so, they have reevaluated the capabilities of the plant as design and found that between 1% and 3% of the waste could cause mixing or line plugging difficulties. Modification to the facility to accommodate these larger particles may prove to be more difficult and costly than establishing waste acceptance criteria that will exclude these particles from the plant. The Interface Control Document for Waste Feed (ICD-19) integration team (BNI, CHG, and DOE) is currently conducting an engineering study that evaluates alternative methods for resolving this issue. This team is expecting to be able to brief the joint management team on the results early next calendar year on the results of this effort.

Erosion testing activities slowed during the month when it was found that one of the components in the simulant contained particles that were larger and harder than specifications for the component required and a source that met the specification could not be found. BNI has undertaken an effort to develop a new simulant and to adjust their testing plan. Approval of the new plan should be completed by the end of October so the testing can resume. BNI hopes the erosion testing completed by the end of December but it is likely the testing will be delayed by a month. These tests are primarily designed to close EFRT issues and it is recognized that additional testing may be required to resolve DOE and Ecology issues. Until the testing has been completed the project is maintaining access to the wear plates in the vessels currently in the fabrication shop. With the exception of cooling jackets, PJM cones, and vessel nozzles installation, vessel fabrication has been on hold pending resolution of technical and permitting issues.

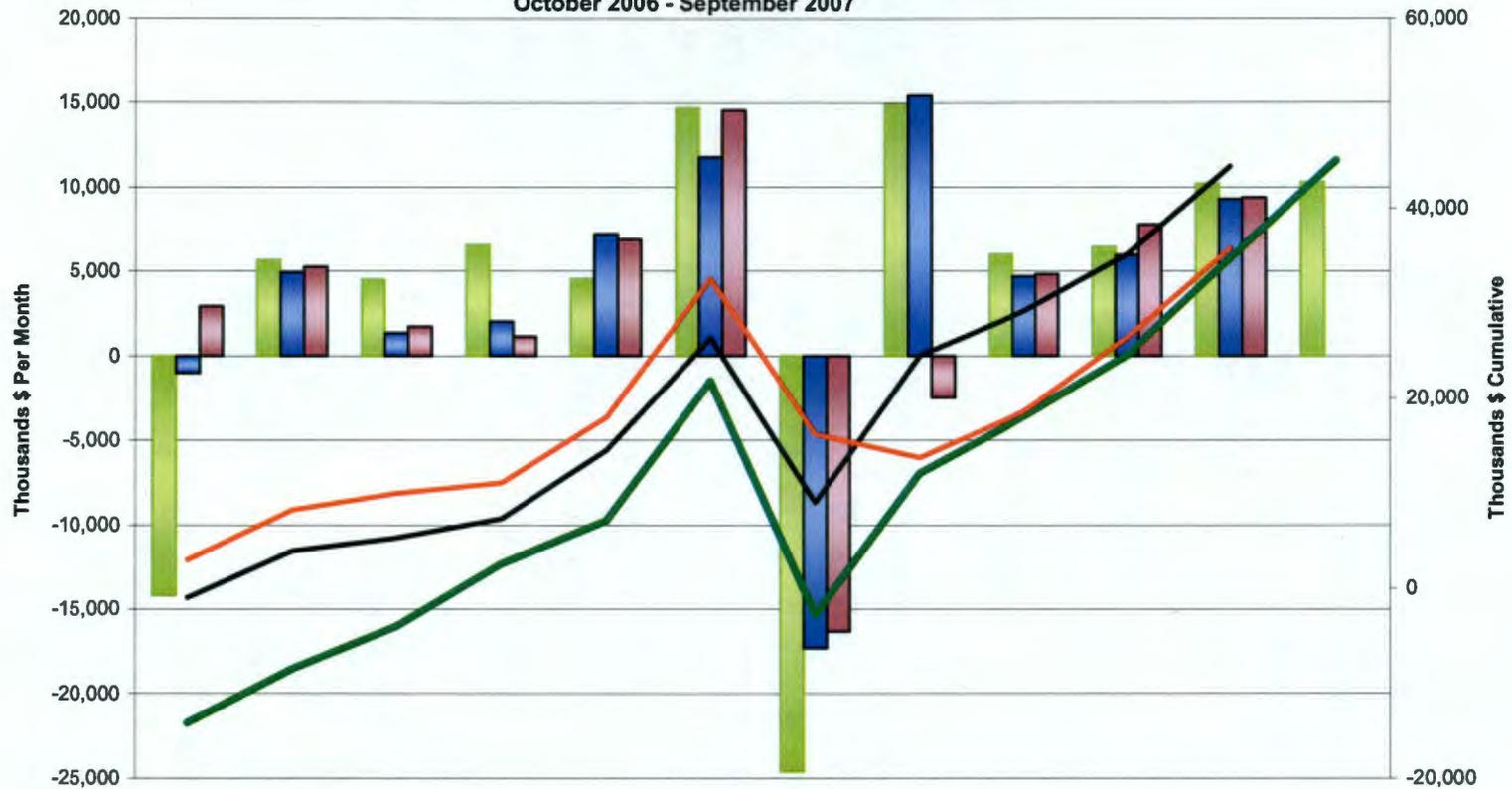
The resumption of construction of the PT facility is one of the main areas of interest for the project. A briefing on the results of the BNI PT assessment of readiness to resume construction was presented to representatives of DOE, Ecology, and the DNFSB. 66 items must be corrected before the resumption of construction and corrective actions have been taken on 29 of the 66 pre-start items. BNI is targeting completion of the remaining items by October 18, 2007 but they acknowledge that completing the corrective actions by that date will be challenging.

Risk mitigation actions continue to be worked and completed. The risk posture for the WTP project remains moderate. Nine of 51 Engineering, Procurement, Commissioning, and Construction (EPCC) risks and 5 of 35 technical and programmatic (TPRA) risks have been closed.

Commodity	Unit of Measure	Installed during this period	Installed to date	Percentage installed to date
Concrete	1000 CY	0	77.13	68.76%
Structural Steel	1 Ton	0	3,010.00	18.36%
Pipe	1000 LF	0	36.95	7.01%
Cable Tray	1000 LF	0	0.34	0.94%
Conduit	1000 LF	0	17.13	8.64%
Cable & Wire	1000 LF	0	0.00	0.00%

Facility	Milestone	Scheduled	Projected
PT	Complete PJM Multiple Overblow Test	3/07	9/07A
	Approve PJM Multiple Overblow Final Report	6/07	4/08
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	1/07
	Deliver the Filter Cave shield door to Richland	12/07	12/07

Pretreatment WTP Fiscal Year to Date Performance (\$ In Thousands) October 2006 - September 2007



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	-14,203	5,680	4,508	6,567	4,549	14,695	-24,625	14,894	6,010	6,440	10,201	10,281
Mthly Perf (BCWP)	-1,014	4,938	1,365	2,025	7,215	11,785	-17,296	15,431	4,715	5,964	9,278	
Mthly Actuals (ACWP)	2,937	5,281	1,720	1,140	6,897	14,535	-16,318	-2,474	4,849	7,778	9,397	
FYTD Plan (BCWS)	-14,203	-8,523	-4,015	2,552	7,100	21,796	-2,830	12,065	18,075	24,515	34,716	44,997
FYTD Perf (BCWP)	-1,014	3,924	5,290	7,314	14,530	26,315	9,018	24,449	29,165	35,129	44,407	
FYTD Actuals (ACWP)	2,937	8,218	9,938	11,078	17,975	32,511	16,192	13,718	18,567	26,344	35,742	

High-Level Waste Vitrification Facility – Sep 2007

ORP has received Secretarial certification of the final seismic ground motion on August 10, 2007, based on the PNNL evaluation of the seismic response spectra from the deep boreholes project. This allowed ORP to remove restrictions on the construction at HLW and PT facilities. BNI was planning for the anticipated construction start for awhile and completed performance of a readiness review to ensure safe construction.

Unfinished installation of rebars and conduits were completed and the 1st concrete slab at grade was placed (330 cy) after the construction resumption on September 20, 2007, 3 months ahead of schedule. This marked the first concrete placement at the HLW Facility since 2005. In November 2005, DOE suspended construction on the HLW facility to validate the design with more stringent seismic criteria. More than 40 craft are working at HLW. Construction is mobilizing additional crews to work on a number of other placements and steel installations. HLW is expediting construction activities to reduce the construction load in peak years. During September, crews worked on rebar installation for the next concrete placement (Slab 1006), adding additional rebar ties for walls, re-establishing utilities, and remobilizing materials. Crews also worked installing rebar ties on vertical walls, re-skinning forms for the 0' elevation walls, replacing floor opening covers throughout the facility, performing electrical grounding work, and finishing concrete in the drum transfer tunnel in preparation for other planned construction activities.

Engineering activities continued throughout the month in support of construction restart. BNI Engineering updated the seismic non-conformance reports for 0' elevation slab pour 1009 and 0' to +14' elevation walls 1100, 1105, 1114, 1115, and 1120; and completed the +14' elevation joggle drawing. Engineering issued revised drawings, specifications, and/or data sheets for a number of plant systems. Engineering review of the equipment layout drawing for elevation 72' has been completed. BNI is working on completing the design evaluation of existing concrete below 0'-0" elevation to RGM criteria. In addition, work on the Summary Structural report (a DNFSB commitment) is being worked at the Oakland office to meet the November 2007 schedule.

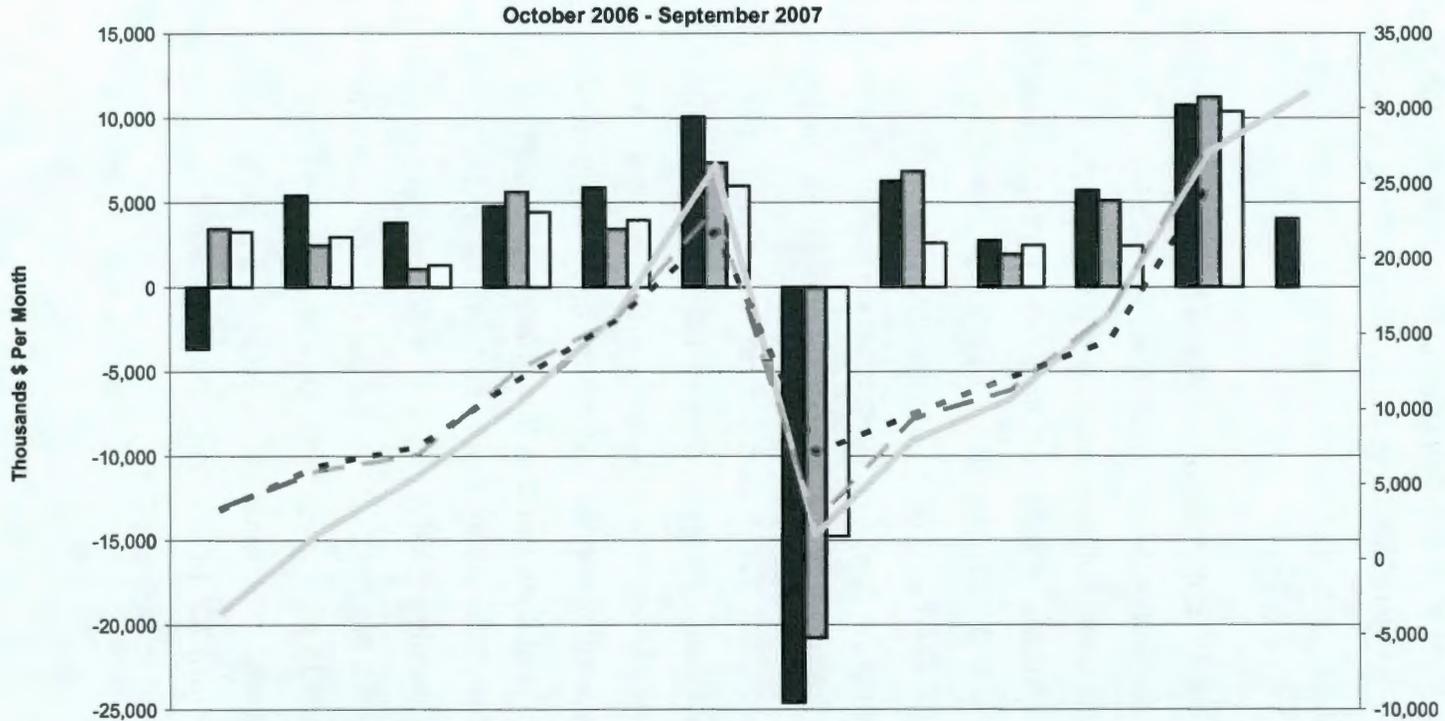
BNI also completed a number of reviews of vendor designs and reports. Fabrication of 27 near-term electrical joggles for elevation 0 to 14 ft walls have been completed and

delivered to site in September. Efforts are underway to release the balance of the joggles for 0 to 14 ft and those for 14 to 37 ft wall. Early Release of corridor (planning area 11) Pulse Vessel Vent system (PVV) piping have been completed. Main steel bracing details below elevation 58 ft have been issued. Pipe fabrication vendor is fabricating newly released pipe spools and clearing previously released and held spools.

Combustible loads in the un-sprinkled areas of the HLW Facility are being evaluated to develop the Authorization Basis Amendment Request (ABAR) in December 2007 to ensure that those areas could still remain un-sprinkled. An ABAR is under development to respond to Defense Nuclear Facilities Safety Board (DNFSB) technical staff questions regarding the lack of implementation of a number of fire protection design features, required by DOE-STD-1066, in the design. The ABAR is planned to evaluate the impacts of not having the specified fire protection features, and will provide controls to prevent or mitigate fire hazards that may challenge the HEPA filters.

The final seismic qualification test report for the safe-change high-efficiency particulate air (HEPA) filter assemblies through shaker table test performed by Flanders was reviewed and accepted. Oregon Iron Works, Inc. completed and submitted the draft physical configuration audit report on the melter cave shield doors. They are working on the design of the shield doors and in the process of providing new proposal for the completion of shield door fabrication. Significant efforts are being exerted to improve the Commercial Grade Dedication (CGD) process at BNI and at the vendor shops to ensure that NQA-1 requirements are met. QL systems, Thermal Catalytic Oxidizer (TCO) and PreHeaters were awarded to a commercial vendor EPCON. QL vendor, WEST METALS had been working to establish a NQA-1 program at the EPCON facility to enable EPCON to perform "Q" fabrication. The final audit report to certify the facility is planned to be completed in October 2007.

HLW Fiscal Year To Date Performance (\$ In Thousands)



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
█ Mthly Plan (BCWS)	-3,665	5,404	3,792	4,768	5,873	10,059	-24,592	6,249	2,742	5,683	10,744	4,025
▒ Mthly Perf (BCWP)	3,418	2,449	1,070	5,616	3,417	7,334	-20,787	6,827	1,910	5,097	11,218	
▢ Mthly Actuals (ACWP)	3,258	2,964	1,280	4,422	3,943	5,974	-14,741	2,583	2,446	2,415	10,355	
— FYTD Plan (BCWS)	-3,665	1,739	5,531	10,298	16,172	26,231	1,639	7,888	10,630	16,314	27,058	31,083
- - FYTD Perf (BCWP)	3,418	5,868	6,937	12,553	15,970	23,304	2,517	9,344	11,254	16,351	27,568	
- - FYTD Actuals (ACWP)	3,258	6,221	7,501	11,923	15,866	21,840	7,098	9,681	12,127	14,542	24,897	

Low Activity Waste (LAW) Vitrification Facility

The last concrete placement for the LAW main facility has been placed. This placement is also the last placement for the container export bay.

The container import conveyor equipment is being installed next to the container import bay.

Peterson, the melter structure fabricator, identified a number of surface cracks in the melter electrodes. The electrodes are large Inconel forgings which extend from outside the melter through the refractory and into the melt pool. Maintaining the integrity of the electrodes is critical for efficient operation of the melter.

The surface cracks have been identified in a rough casting, not the final electrode shape. Final machining of the electrode could eliminate or reduce the surface cracks. BNI has requested that Peterson ensure that there are no cracks in the melter pool transition zone of the electrode. There is a large temperature gradient in the melter pool transition zone (between the internal portions of the refractory to the center of the melt pool). Weld repair of the electrode is the current approach for repairing cracks. The current design for one of the melter electrodes calls for welding so there is no apparent degradation of the electrode due to welding.

There is no basis to request that the current electrodes be discarded and replaced. ORP, with support from RL, will continue to review the acceptability of the electrode. BNI will continue to work with Peterson to ensure that the electrode is suitable for installation in the melter.

The container import bay structural steel has been erected. This was accomplished four months earlier than the baseline. Siding and roofing installation can now proceed. Permanent bolts are currently being installed in the container import bay structural steel.

The lack of an approved welding procedure continues to adversely affect the installation of annex decking and roofing. BNI Engineering changed the requirement for attaching the decking and roofing steel that is within 20' of the building's exterior edge. Mechanical fasteners were originally specified.

Wet Process Cell vessels are being shimmed to their foundation to provide support to their foundation embeds.

Piping and hanger installation is proceeding on the -21', 3' and 28' levels.

Hangers to support the pour cave stainless steel liner and insulation are being installed.

Fan coil units are being installed north of the melter pour caves at the -21' level.

Conduit installation is proceeding on the -21', 3' and 28' levels.

Cable tray is being installed at the 48' level.

Wet Process Cell vessels are being shimmed to their foundation to provide support to their foundation embeds.

Ventilation ducting and insulation is being installed at the 48' level.

Fireproofing repairs are underway at the -21', 3', 28' and 48' levels.

Structural steel and decking is being painted on the -21', 3', 28' and 48' levels.

The container import conveyor equipment and the floor hatches are being installed on the west side of the 3' level.

Commodity	UOM	Engineering		Construction	
		Total Quantity At Completion	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	28.544	27.40	25.17	88.17%
Structural Steel	1 TN	6188	5847.7	4997	80.75%
Pipe	1000 LF	101.876	96.66271	40.461	39.72%
HVAC	1000 LB	932.695	864.70	530.54	56.88%
Cable Tray	1000 LF	15.617	15.40	11.25	72.06%
Conduit	1000 LF	164.994	67.63	26.89	16.30%
Cable & Wire	1000 LF	842.597	471.61	0.00	0.00%
Terminations	1000 EA	51.383	25.85	0.00	0.00%

Analytical Laboratory (LAB)

Girts and sag rods are being installed in the facility. Construction craft is installing rebar, sleeve and embeds for the seventh and eighth 17' placements.

Permanent conduit and lighting is being installed. Preparations are underway to stage the air handling units at the 17' level. Piping hangers are being installed. Leak detection boxes are being installed in the C3 pit.

The air lock doors on the south side of the hot cell are being installed. Layout of the hot cell wall panel center post is ongoing.

F.D. Thomas is sand blasting and coating structural steel.

Roofing installation is completed on the east side and is progressing on the west side of the facility. Roofing gutter installation is progressing on the east side of the facility.

Fire protection coatings are being applied to the structural steel columns. Fire protection piping is being installed in the main facility.

The air lock doors on the south side of the hot cell are being installed. The air lock doors actuators and retractable rails on the south side of the hot cell are being installed. The hot cell wall panel center post installation is ongoing.

Construction craft is installing rebar, sleeves, embeds, bulk head and grounding for the seventh and eighth 17' placements.

Staged the first and second air handling units at the 17' level. Staging the air handling units early, while the roof is not installed, will save time and effort compared to installing the air handling units after the roof is installed.

Fire protection coatings are being applied to the structural steel columns. Fire protection piping is being installed in the main facility.

Permanent conduit and lighting is being installed. Air handling units are being staged at the 17' level. Special Protective coatings are being applied at the 17' level. The jib crane is being installed at the 17' level.

Shims are being installed on the air handling units at the 17' level.

Commodity	UOM	Engineering		Construction	
		BETK Qty	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	12.428	11.859	11.22	90.28%
Structural Steel	1 TN	1,720.00	1,720.00	1,403.00	81.57%
Pipe	1000 LF	36.534	25.9934	9.295	25.44%
HVAC	1000 LB	314.499	314.499	7.676	2.44%
Cable Tray	1000 LF	2.772	2.772	0	0.00%
Conduit	1000 LF	50.949	6.875	0.961	1.89%
Cable & Wire	1000 LF	172.434	23.098	0	0.00%
Terminations	1000 EA	11.65	0	0	0.00%

Balance of Facilities (BOF)

Construction forces are continuing the installation of cable tray in the Chiller Compressor Plant (CCP). Construction craft is working the blowers and grating for air compressor filter installation.

Craft is continuing the installation of piping and hangers between the fire water tanks and the pump buildings.

Steam piping and intra-yard piping support steel installation is progressing. The intra-yard structure extends from the west side of the LAW facility, to the north side of LAW and then back to the steam plant.

Grounding is being installed in the Water Treatment Building and the Fuel Oil tank.

Embeds are being installed in the Melter Assembly Pads (MAP) located south of the LAW facility. BOF Engineering's MAP design utilized in-stock embeds to reduce the material procurement time and cost, and to reduce the number of in-stock embeds. This is a small example but is representative of the efforts to effectively use available resources to support construction.

The Steam Plant Fire Detection system is being installed.

Welding of piping to correct the slope issues has been completed. Backfilling the piping trench has started. BNI forecasts the backfilling of the trench to be completed in early December.

		Engineering		Construction	
Commodity	UOM	BETK Qty	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	18.41	10.61	10.359	56.25
Structural Steel	1 TN	1582.00	728.00	238	15.04
Pipe	1000 LF	51.59	30.06	7.0914	13.74
Pipe Hangers	1 EA	1643.00	1,166.00	263	16.00
UG Pipe	1000 LF	124.89	111.61	103.756	83.07
Cable Tray	1000 LF	4.57	2.85	1.592	34.80
Conduit	1000 LF	63.17	41.59	17.96	28.42
UG Conduit	1000 LF	187.81	177.23	176.332	93.88
Cable & Wire	1000 LF	674.95	297.91	176.852	26.20
Terminations	1000 EA	24.75	5.80		0

Balance of Facilities Construction Completion Status

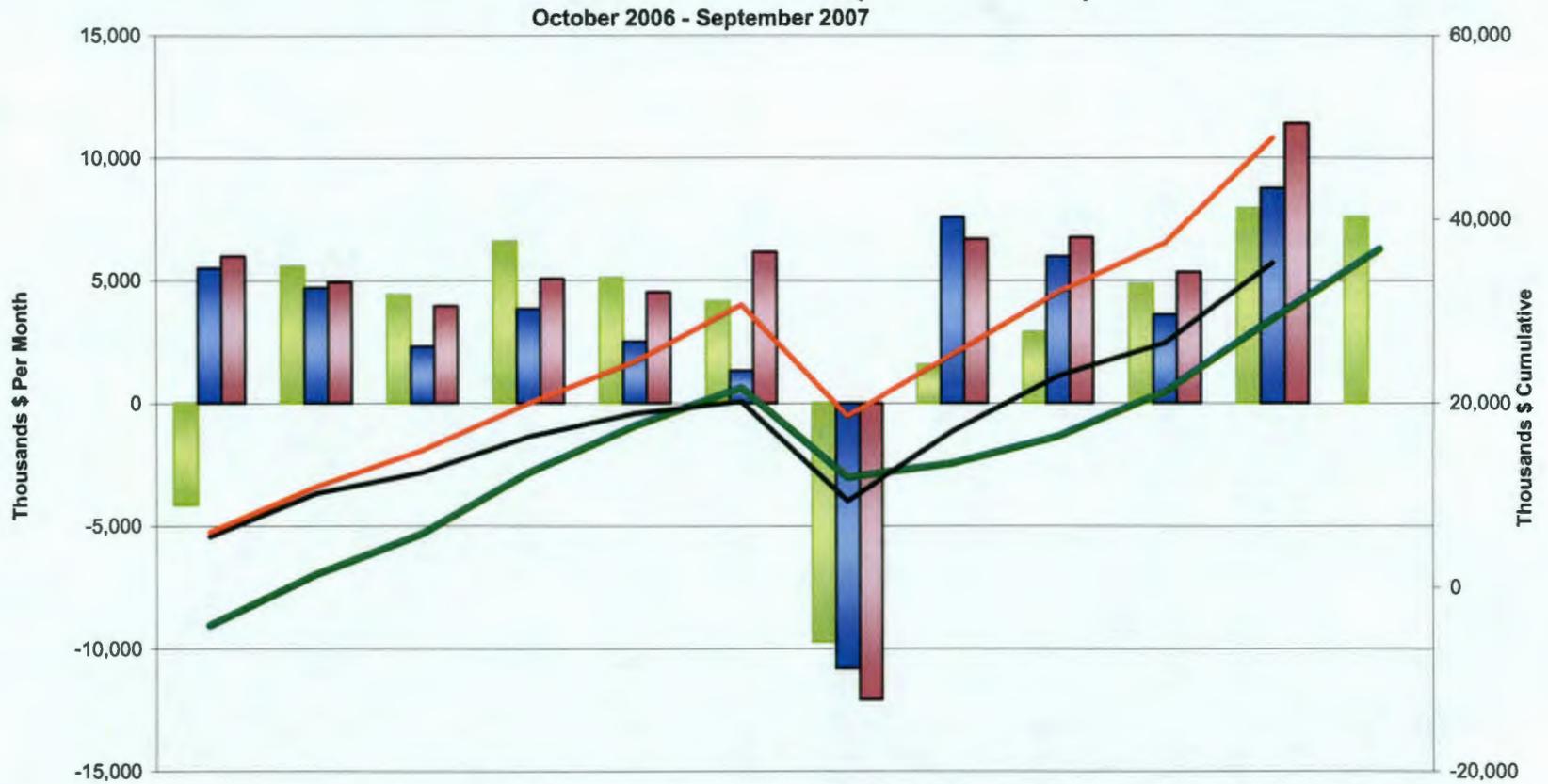
Facility	Engineering % Complete	Construction % Complete	Scheduled Completion Date	Value \$k
1.05 Balance of Facilities Common Scope	48%	34%	14-Jul	\$251,448
1.5A Site Work	88%	46%	14-Jul	\$102,928
1.5B Administration Building (convert from temp)	2%	0%	14-Jul	\$5,229
1.5C Cooling Tower Facility	99%	99%	6-Oct	\$6,816
1.5D Fire Water Pump House Facility	97%	94%	7-Oct	\$1,408
1.5E Fuel Oil Facility	99%	87%	6-Nov	\$1,204
1.5F Diesel Generators Facility	44%	0%	11-Nov	\$5,033
1.5G Glass Former Storage Facility	87%	9%	10-Sep	\$4,976
1.5H Guard House Facility	100%	100%	COMPLETE	\$7
1.5J Chiller Compressor Plant	96%	77%	8-Jun	\$15,415
1.5K Steam Plant Facility	100%	99%	8-Sep	\$8,626
1.5L Wet Chemical Storage Facility	100%	0%	13-Dec	\$4,498
1.5M Water Treatment Building	100%	69%	7-May	\$4,280
1.5N Non-Dangerous, Non-Radioactive Effluent Facility	100%	64%	7-Oct	\$1,405
1.5P Switchgear Building	96%	70%	11-Apr	\$4,168
1.5Q ITS Switchgear Building	100%	76%	12-Feb	\$1,990
1.5S Erected Tanks - Process/Potable	100%	99%	COMPLETE	\$5,214
1.5T Failed Melter Storage	11%	2%	10-Apr	\$1,647
1.5V BOF Switchgear Building	89%	81%	11-Apr	\$3,586
1.5Y Simulator Facility	100%	86%	10-Aug	\$7,384
1.5Z Anhydrous Ammonia	15%	0%	8-Sep	\$858

Significant Planned Actions (next six months):

Activity Description	Additional Description	Date
LAW -Flag- Vendor Insul. Liner Design Approval	Subcontractor (CB&I) detailed design for pour cave, critical sequence (cooling panels/pipe)	18-Oct-07
LAW -Flag- Dlvr LVE Melter Heater Power Supplies	Will support start of electrical equipment install in Elev. -21 PA05 ... MVE equipment to follow in 2008	17-Sep-07
LAW - Process Area Partition Walls S/C Award	Current plan improvement to Jun07 ... Important to release bulk electrical & elevator install.	25-Oct-07
LAW -Flag- Install 3,800 lf Pipe (PA10, El. -21)	85% of total corridor pipe (ref only) ...includes PA #10D key sequence with bus duct and HVAC. Bulk milestone will need Teamworks work package statusing scheme.	24-Sep-07
LAW -Flag- Complete Annex Basemat		21-Aug-07
LAW -Flag- Complete Export Bay Concrete Walls	PA06B Export Bay EL+03 ... (8) placements, 920 cyds (ref only)	28-Nov-07

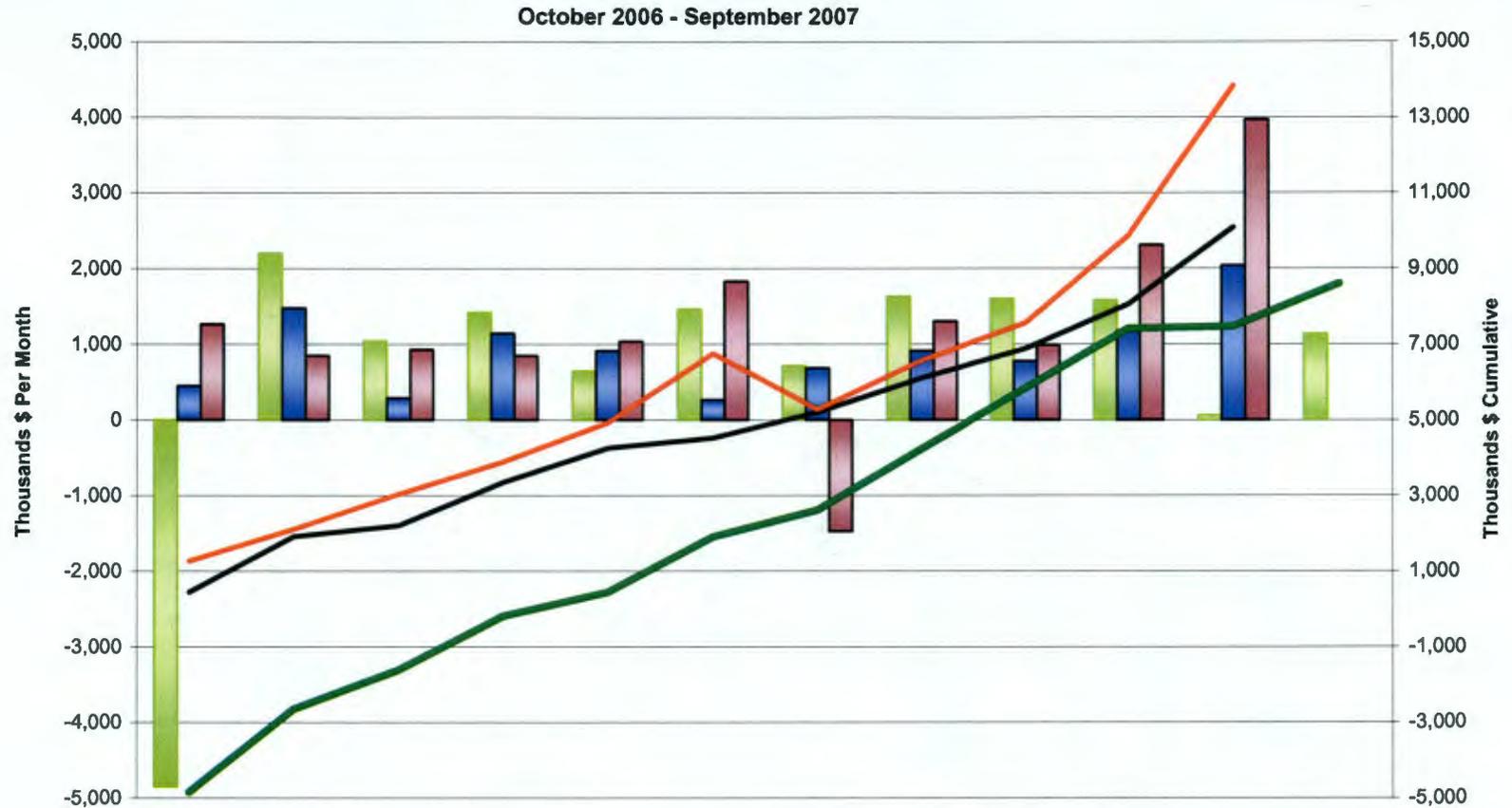
LAW -Flag- Complete Annex Structural Steel	Releases building for EPC Subcontractor installations & follow-up BNI activities	8-Oct-07
GEN -Flag- Award 4.16kV Emergency Diesel Gen. PO	Current schedule forecast Jan 08	19-Sep-07
BOF - Flag - Complete Steam Plant Construction	Excludes communications systems installation by BNI craft.	28-Aug-07
LAW -Flag- Install 5,700 lf Pipe (PA11, El. +03)	82% of total corridor pipe (ref only). Represents the transition of bulks up the bldg.	24DEC07*
LAB -Flag- Complete Production Piping Iso Design	Excludes ASX piping (PVC), awaiting design inputs from BNG due in late 2007	5-Nov-07
LAB -Flag- Deliver C5V HVAC Exhaust Fans	Suspended due to Vendor CGD issues. Vendor release expected in July 2007.	26-Nov-07
LAB - Flag Install Roofing & Exterior Siding*	To support winter 2007/08 activities	24-Oct-07
BOF -Flag- Complete Water Treat. Bldg. Const.		27-Nov-07

LAW Performance for FY2007



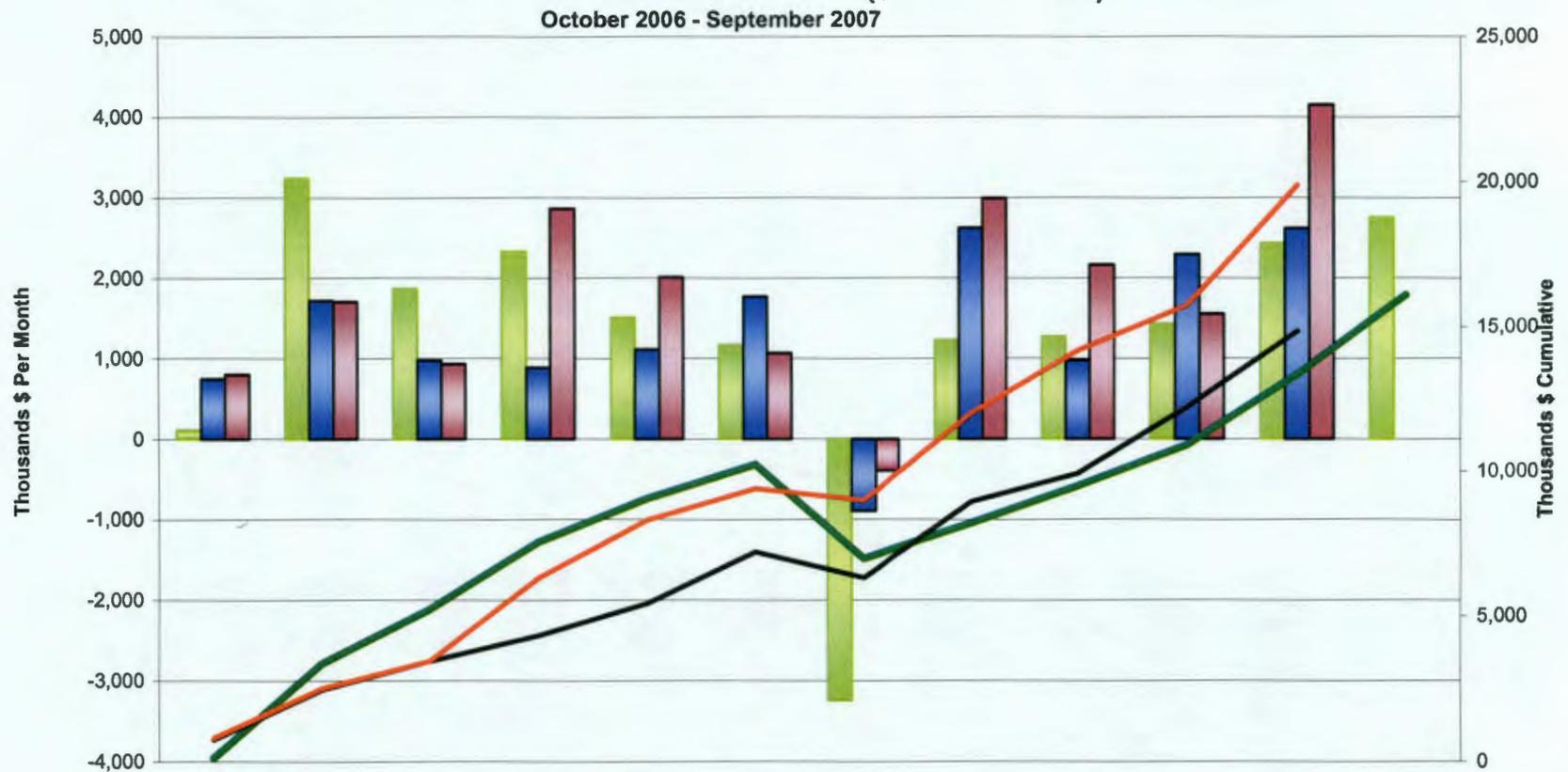
	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	-4,154	5,562	4,407	6,586	5,100	4,143	-9,733	1,544	2,890	4,863	7,929	7,574
Mthly Perf (BCWP)	5,505	4,699	2,313	3,843	2,507	1,315	-10,798	7,586	5,981	3,602	8,759	
Mthly Actuals (ACWP)	5,995	4,929	3,965	5,077	4,525	6,162	-12,077	6,694	6,766	5,350	11,411	
FYTD Plan (BCWS)	-4,154	1,408	5,816	12,401	17,501	21,644	11,911	13,455	16,345	21,208	29,137	36,711
FYTD Perf (BCWP)	5,505	10,204	12,517	16,359	18,866	20,181	9,384	16,970	22,951	26,552	35,311	
FYTD Actuals (ACWP)	5,995	10,925	14,890	19,966	24,491	30,653	18,576	25,270	32,036	37,385	48,797	

BOF Performance for FY2007



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	-4,847	2,196	1,041	1,416	640	1,460	709	1,628	1,597	1,580	53	1,133
Mthly Perf (BCWP)	447	1,472	289	1,139	912	262	682	912	774	1,170	2,036	
Mthly Actuals (ACWP)	1,263	846	926	848	1,037	1,827	-1,472	1,299	985	2,311	3,967	
FYTD Plan (BCWS)	-4,847	-2,651	-1,611	-194	445	1,905	2,614	4,242	5,839	7,419	7,472	8,605
FYTD Perf (BCWP)	447	1,919	2,207	3,347	4,259	4,521	5,202	6,114	6,888	8,058	10,095	
FYTD Actuals (ACWP)	1,263	2,109	3,035	3,883	4,920	6,747	5,275	6,574	7,559	9,870	13,837	

Lab Performance for FY2007



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	110	3,239	1,870	2,328	1,508	1,165	-3,247	1,227	1,269	1,427	2,434	2,748
Mthly Perf (BCWP)	750	1,717	976	886	1,111	1,771	-891	2,625	974	2,297	2,621	
Mthly Actuals (ACWP)	805	1,705	932	2,865	2,010	1,068	-390	2,995	2,165	1,558	4,151	
FYTD Plan (BCWS)	110	3,348	5,218	7,546	9,054	10,220	6,973	8,200	9,469	10,896	13,330	16,078
FYTD Perf (BCWP)	750	2,467	3,443	4,329	5,440	7,211	6,320	8,945	9,919	12,216	14,838	
FYTD Actuals (ACWP)	805	2,511	3,442	6,307	8,317	9,385	8,995	11,990	14,155	15,713	19,863	

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-62-01N, Submit Semi-Annual Project Compliance Report.**
Due: 01/31/2007
Status: Completed

- **M-62-01O, Submit Semi-Annual Project Compliance Report.**
Due: 07/31/2007
Status: Completed

- **M-62-03, Submit DOE Petition for RCRA Delisting or Vitrified HLW.**
Due: 12/31/2006
Status: Completed.

- **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: To Be 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.

1. Significant Accomplishments:

- Continued preparation for FY2007 integrated dryer/38D full-scale melt test.
- Completed preliminary designs for the simplified Off Gas Treatment System and the auger-based Dried Waste Transfer System.
- Completed development of the draft project cost estimate and schedule baseline to be subjected to External Independent Review in support of Critical Decision 2, "Approve Performance Baseline."

2. Significant Planned Actions in the Next Six Months:

- Conduct full-scale dryer testing.
- Conduct IDMT.
- Receive Critical Decision 2.

3. Issues:

- Resolution of the MIS issue must be demonstrated during the integrated dryer/38D full-scale melt test.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant.**

Due: 02/28/2009

Status: To Be Missed

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant.**

Due: 01/31/2011

Status: To Be Missed

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline.**

Due: 06/30/2007

Status: Missed

II. Significant Accomplishments:

- None

III. Significant Planned Actions in the Next Six Months:

- None

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.