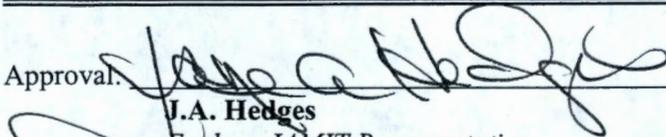
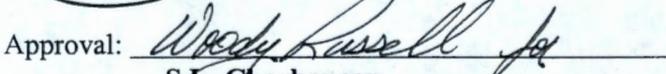
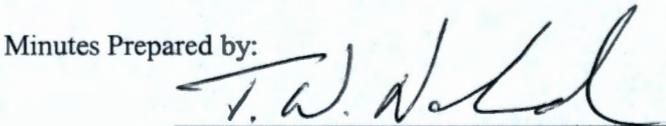


**Office of River Protection
Tri-Party Agreement Milestone Review
Meeting Minutes
August 20, 2009**

Approval:  Date: 9/17/09
J.A. Hedges
Ecology IAMIT Representative

Approval:  Date: 9/23/09
S.L. Charboneau
DOE IAMIT Representative

Approval:  Date: 9/17/09
D.A. Faulk *Bob Lebos for*
EPA IAMIT Representative

Minutes Prepared by:  Date: 9/23/09
T.W. Noland
Mission Support Alliance

Abdul, W.	ORP	Lober, R.W.*	ORP
Barnes, M.W.*	Ecology	Long, J.D.	ORP
Biyani, R.K.*	Ecology	Luke, J.J.*	WRPS
Bohnee, G.	NPT	Lynch, J.J.*	ORP
Brown, M.J.*	Ecology	Lyon, J.J.*	Ecology
Burandt, M.E.*	ORP	Niles, K.	OOE
Caggiano, J.A.*	Ecology	Noland, T.W.*	FFS
Charboneau, S.L.	ORP	Noyes, D.L.	ORP
Cimon, S.*	ODE	Olinger, S.J.	ORP
Dahl, S.L.	Ecology	Olsen, G.B.*	ORP
Diediker, J.A.*	ORP	Pfaff, S.H.*	ORP
Dixon, W.T.	WRPS	Price, J.B.*	Ecology
Eberlein, S.J.	WRPS	Rasmussen, J.E.	YAH
Elsethagen, K.A.*	Ecology	Reed, G.R.*	ORP
Faulk, D.A.*	EPA	Russell, R.W.	ORP
Fort, L.A.*	Ecology	Skinnarland, R.R.*	Ecology
Furlong, P.T.	ORP	Taylor, H.N.	ORP
Fredenburg, E.A.*	Ecology	Trenchard, G.D.	ORP
Harp, B.J.	ORP	Trent, J.S.*	ORP
Harris, S.	CTUIR	Triplett, M.B.*	PNNL
Hedges, J.	Ecology	Uziemblo, N.H.*	Ecology
Hidden, F.B.*	ORP	Vance, J.G.	FH
Huffman, L.A.	ORP	Wallace, J.J.*	Ecology
Jackson, Z.*	Ecology	Whalen, C.L.*	Ecology
Jim, R.	Yakama		Administrative Record
Kemp, C.J.*	ORP		
Knox, K.E.*	KCR		
Laws, G. L.*	WDOH		

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EDMC

*Attendees

**Office of River Protection
Tri-Party Agreement Quarterly Milestone Review
Meeting Minutes
August 20, 2009**

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

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

ORP reported that the actions planned resulting from the July 21, 2009 meeting with Ecology are: 1) work with Ecology to determine placement of an additional interim surface barrier following completion of SX interim barrier; 2) determine characterization criteria for implementing a decommissioning plan in 2010; 3) construct interim surface barrier in TY, pending Ecology approval of the design; 4) complete characterization of interim surface barrier in SX.

ORP reported that recent characterization work in SX revealed multiple soil plumes that are overlapping quite extensively. The indicators on the plumes are technetium and nitrates. The footprint of the plumes has not yet been defined. The analytical results are expected in early FY10. It was noted that the plumes are not unexpected and are likely coming from the three rows of tank farm leaks.

M-45-58, Submit to Ecology for Review and Approval as an Agreement Primary Document a Phase 2 Master Work Plan that Describes the Proposed Approach for the Completion of Corrective Action to Meet Final Closure Requirements in the Waste Management Areas as Described in Appendix 1, Section 2.3

ORP has developed a response master work plan, based on Ecology comments and a series of workshops which addressed corrective actions and closure planning. A letter to Ecology is in ORP concurrence which states that the revised master work plan will be submitted in December 2009. Ecology requested a formal response of the comment resolution from ORP, and the corrective action closure plan and permitting issues that are driving a later completion date. ORP responded that the concurrence letter contains all of that information and should be transmitted to Ecology by next week.

M-45-61, Submit to Ecology for Review and Approval as an Agreement Primary Document a Phase 2 RCRA Facility Investigative/Corrective Measures Study Report for WMA C

An action was taken to discuss the status of this milestone during next week's briefing with ORP/RL, Ecology and EPA.

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

ORP noted that the consent decree was received August 10, 2009, and it is aligning itself with the consent decree as it is currently written. The consent decree is undergoing a public comment review and will be entered in the court when it is approved. The M-45-00 milestones will be listed as missed/to be missed until the change packages associated with the consent decree is approved and signed.

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

ORP noted that there was no change in status of the tank waste retrieval work plans (TWRWPs). However, the plan is to start revising the TWRWPs for C-108, C-109 and C-110. A heel sample from C-108 is being analyzed, and the push is to get preliminary results by the end of September 2009. The results are needed before a secondary technology can be defined for retrieval. A sample from C-108 has been sent to PNNL, which will perform a water leach study in 2010. The water leach study isn't expected to affect the secondary retrieval technology decision. Ecology requested involvement in the basis for deciding on a secondary retrieval technology once the C-108 preliminary sample analysis is received. Ecology's request will be tracked on the action log.

Ecology inquired about ORP's intent for communicating its decision process for completing end of retrieval. ORP is drafting a limit of technology paper on modified sluicing. ORP stated that it believes a mobile arm retrieval system (MARS) retrieval should be implemented in one tank before a limit of technology paper is completed. ORP indicated it will share the papers with Ecology on a draft basis after internal and legal review is completed and the consent decree has been entered in the court. Ecology indicated its preference to review the draft papers as soon as possible, and questioned whether there would be a legal issue associated with providing a draft paper before the consent decree is approved. An action was requested by Ecology to confer with the attorneys regarding the legal issue.

ORP set up an action to hold a forum with Ecology on post retrieval equipment removal in C Farm.

Interim Stabilization Consent Decree

Significant Accomplishments

The interim stabilization quarterly report was sent to Ecology last week.

In Tank Characterization and Summary

ORP noted an action to track the single-shell tank sampling analysis plan for the upcoming C-109 and C-110 sampling, and the lessons learned from C-108. A meeting is scheduled today

with ORP, WRPS and Ecology for discussion.

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

There was no change in the status of this milestone.

242-A Evaporator Status

A table was provided for the 242-A Evaporator campaigns. There was no change to report in the schedule.

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.

There was no change in the status of this milestone. Ecology asked if ORP's baseline schedule will reflect a schedule for the canister storage shipping project. ORP responded that an alternative analysis is being done, since Yucca Mountain has been taken off the table at the moment as the high-level waste repository, and the canister storage building design is not sufficient with its 880 canister capacity. It also has been determined that the previously approved critical decision 1 justification should be resubmitted to headquarters, and that a CD-1 is being developed by the contractor. ORP indicated that the canister storage facility will likely be a placeholder in the baseline schedule until more level of detail is reached in CD-1. Ecology noted its concern that a repository is available to receive high-level waste by 2019, when the Waste Treatment Plant is scheduled to begin treating high-level waste.

Ecology requested an Ecology/EPA review of the baseline schedules before they are submitted to headquarters for approval. Ecology also requested that a status be included on the projects that are receiving ARRA stimulus funding, such as Milestone M-47-00 and the 242-A Evaporator.

M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies

There was no change in status to report. There is no ongoing work in bulk vitrification.

TPA Milestone Statistics

A table on TPA milestone statistics was provided.

FY 2009 ORP TPA Cost & Schedule Performance (CHG)

ORP reported on the cost and schedule performance through June 2009. From a contract to date,

which started October 1, 2008, WRPS continues to reflect a positive cost variance. There was a negative schedule variance of 2.9 million, primarily related to the 242-A Evaporator campaign, which in turn affected the DST-to-DST tank transfers. The Evaporator campaign was successfully completed on July 2, 2009 after a three-month lag in schedule. Ecology inquired about the status of funding for secondary waste treatment (ETF). ORP will provide the information to Ecology. Ecology inquired about the status of ARRA funding. ORP will provide Ecology with a breakdown when the FY 2010 budget scope has been firmed up.

BNI Cost & Schedule Performance; and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes

Hanford Waste Treatment and Immobilization Plant (WTP) Project

ORP reported that a construction project review was conducted last week. The review was directed by Secretary Chu. There were five subcommittees which consisted of management; environmental safety, health and quality; a technical team; cost and schedule; and commissioning. The project review provided about 25 recommendations. The project review team was not able to determine an estimate on completion, which is an ongoing issue, and it will be returning in November. The entire risk management program and all of the risks are being updated. The risks change almost daily, and there are roughly 160 identified engineering, procurement, construction, commissioning (EPCC) risks.

Pretreatment Facility (PT)

ORP provided an update on the commercial grade dedication system (CGD) issue. The CGD issue is associated with the traceability of material provided by the sub-suppliers to ensure they are nuclear quality components (NQA-1). The concern is that some of the construction may be impacted. BNI has established two teams to conduct a root-cause analysis. The first team is visiting the sub-suppliers to evaluate their materials program, and if an issue is noted, the second team follows in to correct the issue. Ecology asked if there is an issue with the material being substandard. ORP responded that it hasn't addressed that concern yet.

Ecology requested transmittal of NCRs that are placed on the material before the NCRs are dispositioned. Ecology also noted that it had sent an e-mail to ORP asking to attend the construction review last week. ORP responded that if it is approved, it will provide Ecology with the Power point presentation from the construction review. The Washington Department of Health (WDOH) requested notification of the Pretreatment off gas system review in November. ORP suggested attending the entrance and exit meetings. Ecology suggested taking an action to invite WDOH and Ecology to the entrance and exit meetings for the off gas review. EPA indicated the information received in the TPA quarterly meetings is sufficient and does not need to attend the off gas review.

High Level Waste Facility (HLW)

ORP noted that the July reporting period was a six-week period from June 15 to July 26. The

current main focus is relocation of the secondary C5V HEPA filters from the filter cave to the 37-foot elevation. The second focus is the construction recovery plan. The Workable Backlog Program (WBP), established to recover the construction schedule, achieved 140,000 hours in July, surpassing the goal of 120,000 hours (equating to six months workable backlog). Staffing is being ramped up to accelerate activities. The intent is to achieve recovery of the construction schedule by May 2010, but an earlier February 2010 date is being pushed. The CGD issue could affect the WBP while delivery of some of the material is on hold, but the immediate impact is not yet known.

A letter was issued to the contractor on July 28 on the melter fabrication assembly building decision. The current baseline of assembling the melter on the pads is to be followed through this commissioning period. The major reason is if there are any design changes, the changes could not be made to already assembled melters. The EFRT recommendation will be followed to have the melter procured and on site in the warehouse, and if there are early indications of a melter failure, the spare melter could be assembled quickly on the pads.

A response letter to Ecology regarding improved leak detection capabilities was submitted July 28. ORP provided WDOH a draft summary of the HLW offgas assessment report. WDOH and Ecology will be provided a final copy when it is approved.

Low-Activity Waste (LAW) Facility

ORP reported that in working with BNI to resolve technical issues with the offgas system, BNI is proceeding with making the entire offgas system negative. ORP believes the negative system is the minimal cost option that is also protective of human health and the environment. ORP estimated that BNI will have a baseline change proposal in about 60 days for the negative offgas system. WDOH requested a copy of the change proposal when available.

Balance of Facilities (BOF)

ORP provided an update on the corrosion of the Plant Service Air (PSA) piping. Six of the eleven excavations have been completed, and the level of corrosion is slight compared to the corrosion found that initiated the PSA investigation.

Ecology inquired about the status of the studies evaluating emergency power for the LAW melters, which was an EFRT issue. BNI is conducting a second value engineering study to determine the best option. Ecology noted that the first study concluded that it was advisable to have uninterrupted power to the melters if there were a loss of off-site power.

Analytical Laboratory (LAB)

There were no outstanding issues to status for LAB.



Agenda
August 20, 2009

Office of River Protection
Quarterly Milestone Review Meeting
 2440 Stevens Center, Room 2212A, Richland

Chairperson: Ron Skinnerland

9:00 a.m. – 11:00 a.m.

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

Office of River Protection

**Tri-Party Agreement
Quarterly Milestone Review Meeting
August 20, 2009**



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

July 2009

Agenda

Office of River Protection
Tri-Party Agreement
Quarterly Milestone Review Meeting
Ecology Conference Rooms
August 20, 2009
9:00 a.m. – 11:30 a.m.

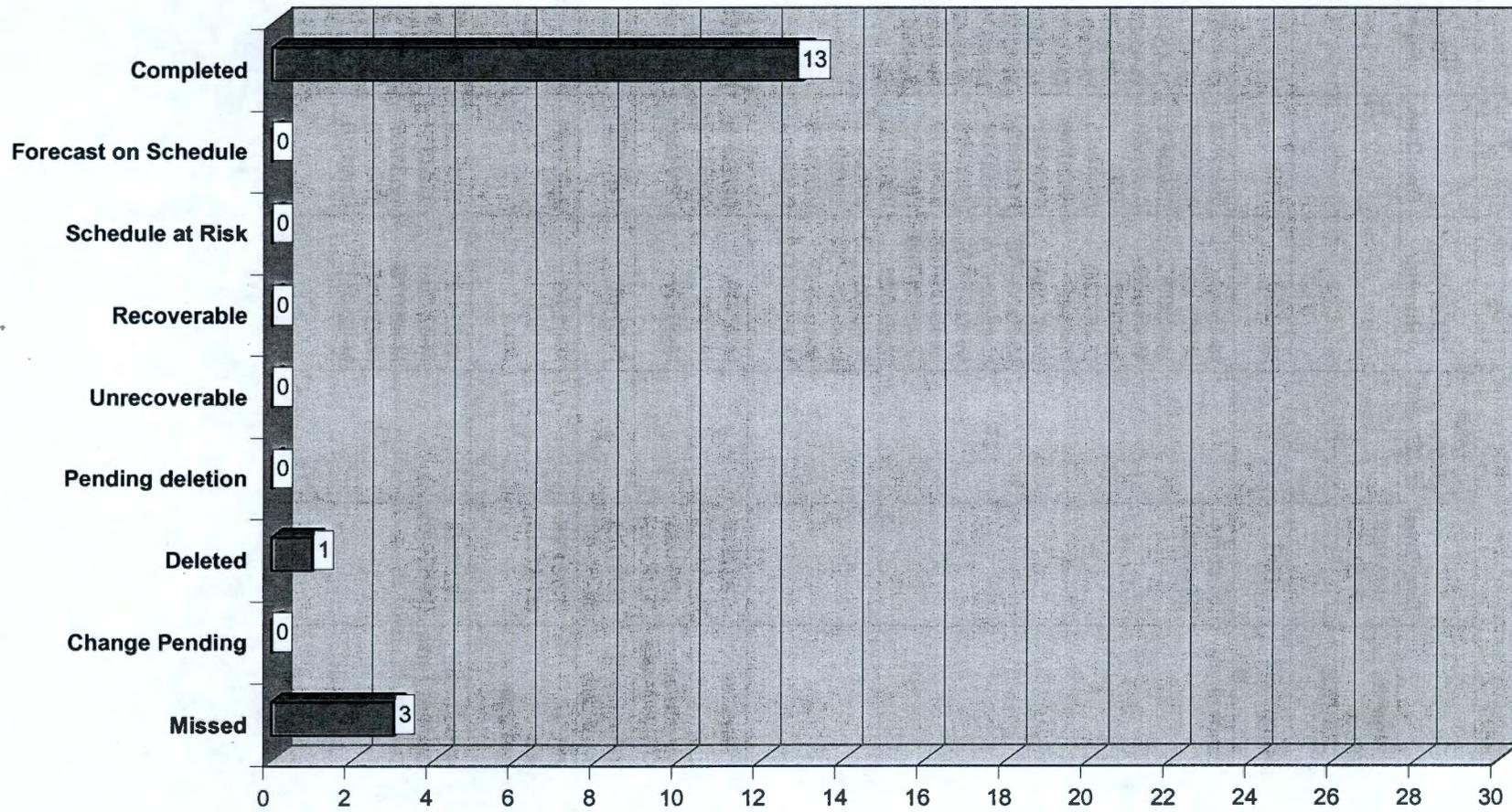
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TPA Milestone Statistics

(Including target milestones)

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

FY 2006 MILESTONE PERFORMANCE



Fiscal Year 2006 Tri-Party Agreement Milestone Status

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

Fiscal Year 2006 Tri-Party Agreement Milestone Status

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

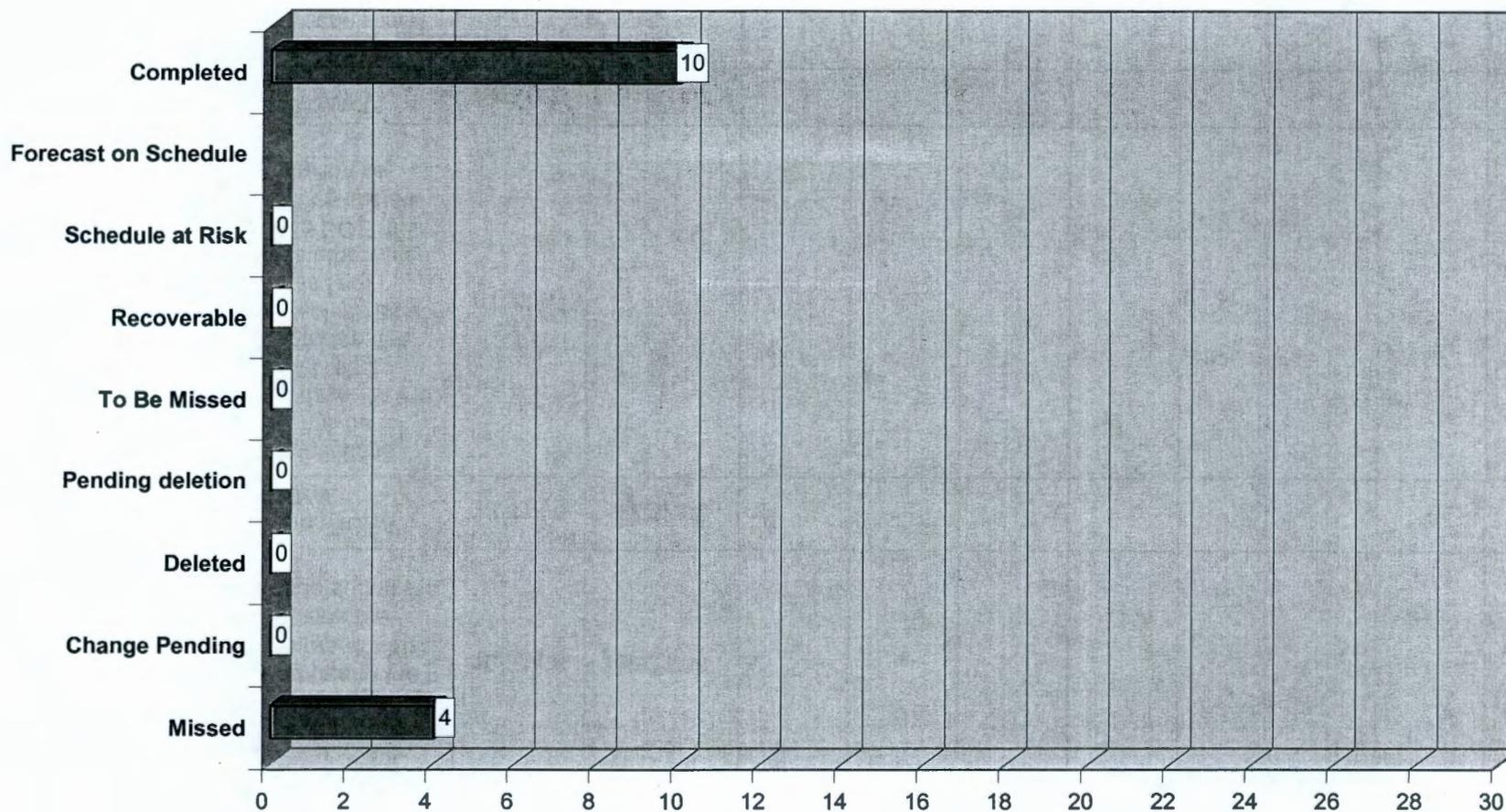
Fiscal Year 2006 Tri-Party Agreement Milestone Status

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

Fiscal Year 2006 Tri-Party Agreement Milestone Status

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

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

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

Fiscal Year 2007 Tri-Party Agreement Milestone Status

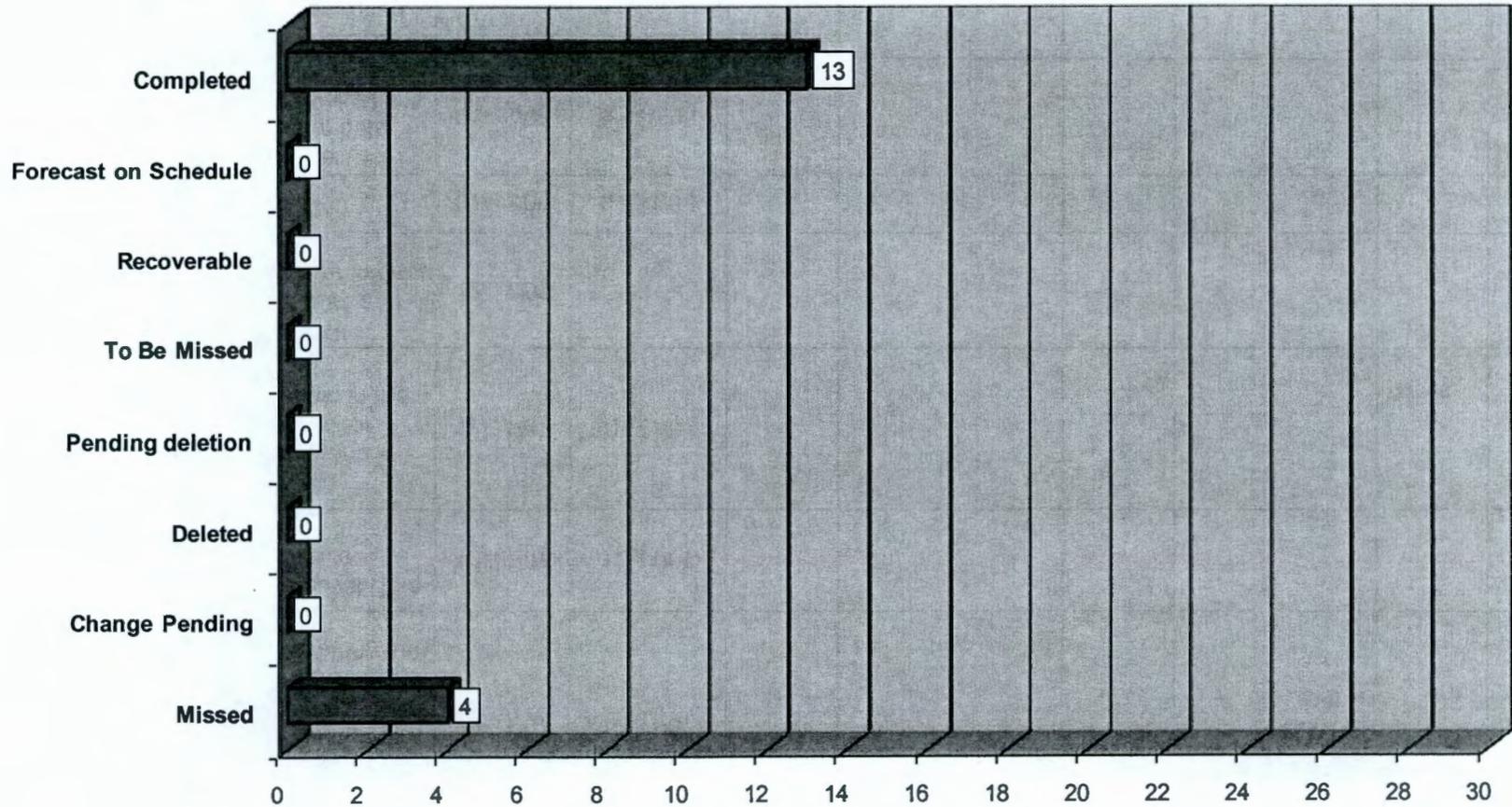
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-05A	Complete Waste Retrieval from S-102.	3/31/07						X			
D-001-00-R32	DOE shall, on a quarterly basis, submit to Ecology a written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

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R33	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/07	07/30/07								
M-062-010	Submit Semi-Annual Project Compliance Report.	07/31/07	07/31/07								
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/26/07								
M-045-05-T05	Initiate tank retrieval from five additional single-shell tanks.	09/30/07						X			
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07	09/26/07								

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

FY 2008 MILESTONE PERFORMANCE



Fiscal Year 2008 Tri-Party Agreement Milestone Status

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

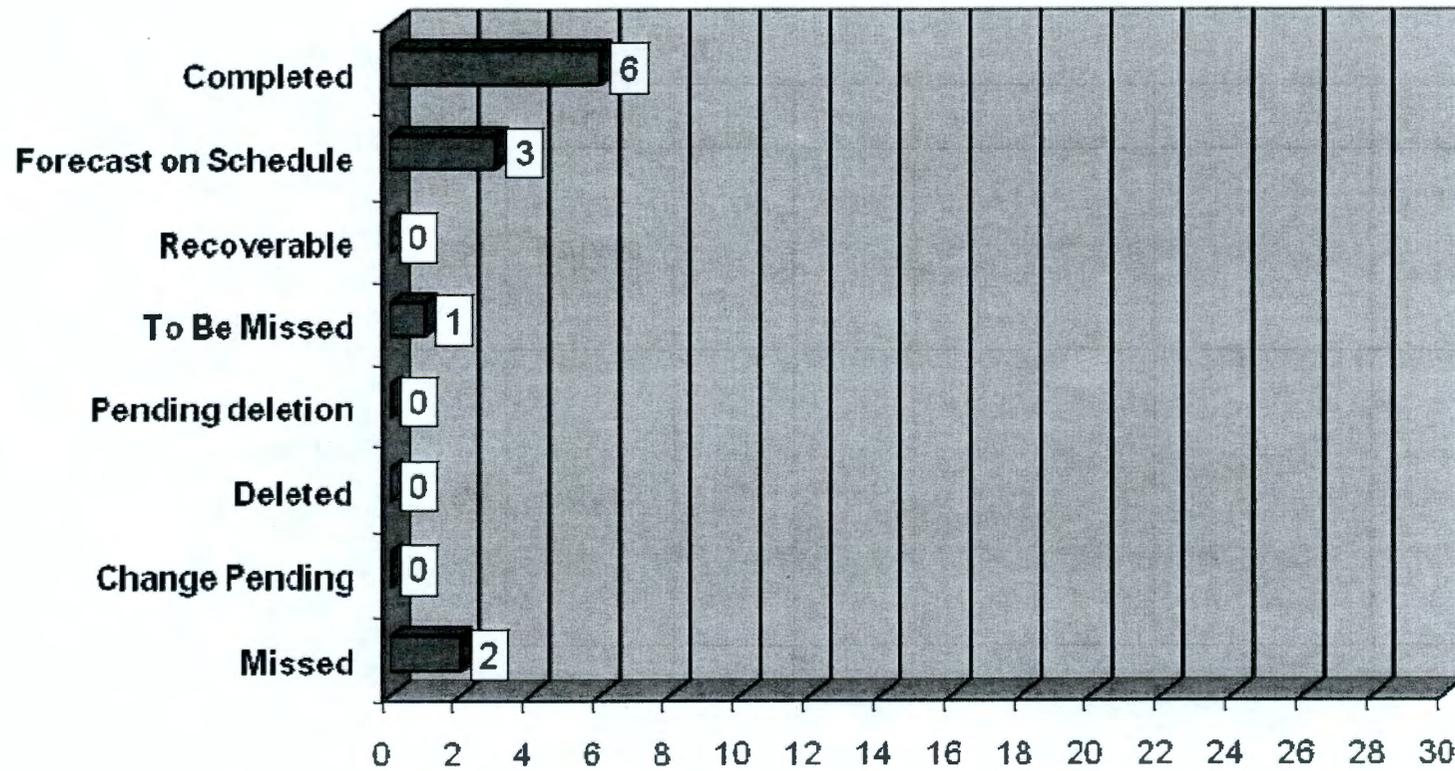
Fiscal Year 2008 Tri-Party Agreement Milestone Status

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

Fiscal Year 2008 Tri-Party Agreement Milestone Status

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

FY 2009 MILESTONE PERFORMANCE



Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R38	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/08	10/28/08								
M-045-58	Submit to Ecology for Review and Approval as an Agreement Primary Document Phase 2 Master Work Plan that describes the proposed approach for the completion of Corrective Action to meet final closure requirements in the Waste Management Areas as described in Appendix I, Section 2.3	12/31/08	12/18/08								
M-045-60	Submit to Ecology for review and approval as an agreement primary document, DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C.	12/31/08	12/18/08								
M-062-01R	Submit Semi-Annual Project Compliance Report	01/31/09	01/30/09								

Fiscal Year 2009 Tri-Party Agreement Milestone Status

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

Fiscal Year 2009 Tri-Party Agreement Milestone Status

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

Tank Farm Project Executive Summary

June 2009

GENERAL

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

The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting. Generally, performance is reported at WBS level 3 with the exception of WBS 5.01.01, Base Operations, and WBS 5.01.05, Project Support, wherein reporting is at level 4 to provide additional visibility and analysis.

The schedule (SV) and cost variance (CV) analysis thresholds at the reporting levels are as follows:

Current Month (CM) = +/- 10% and \$150K

Cumulative to Date (CTD) = +/- 10% and \$500K

PROJECT BASELINE PERFORMANCE STATUS

WRPS June Project Performance – (\$K)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	25,592.6	24,719.8	22,257.1	-872.8	2,462.7	0.97	1.11			
CTD	180,799.1	177,939.8	163,320.6	-2,859.3	14,619.1	0.98	1.09	307,187.4	292,336.4	14,851.0

The prime contributors to the CTD SV is primarily due to (1) delayed completion of the 242-A Evaporator campaign and Annual Cathodic Protection System Adjustments; (2) unexpected valve pit conditions in 04B-Pit; high radiation readings in 04A-Pit; delayed procurement and construction contract awards; resolving CGID issues; and resource distribution given to higher priority activities supporting retrieval operations and construction within C-Farm Infrastructure; 3) DST to DST transfer sequence changing resulting from 242-A Evaporator delays, and degrading/failed transfer equipment.

The favorable CTD CV of \$14,619K is primarily due to: 1) Business and Occupation (B&O) Tax being eliminated; lower than planned costs for materials and LMIT service/support charges; liquidations accounting for RA support; staffing vacancies; and the elimination of occupancy costs and DOE cost allocations; and 2) HIHTL Disposition and Catch Tank & Pipeline Reporting achieving work activity efficiencies through the use of prior lessons learned.

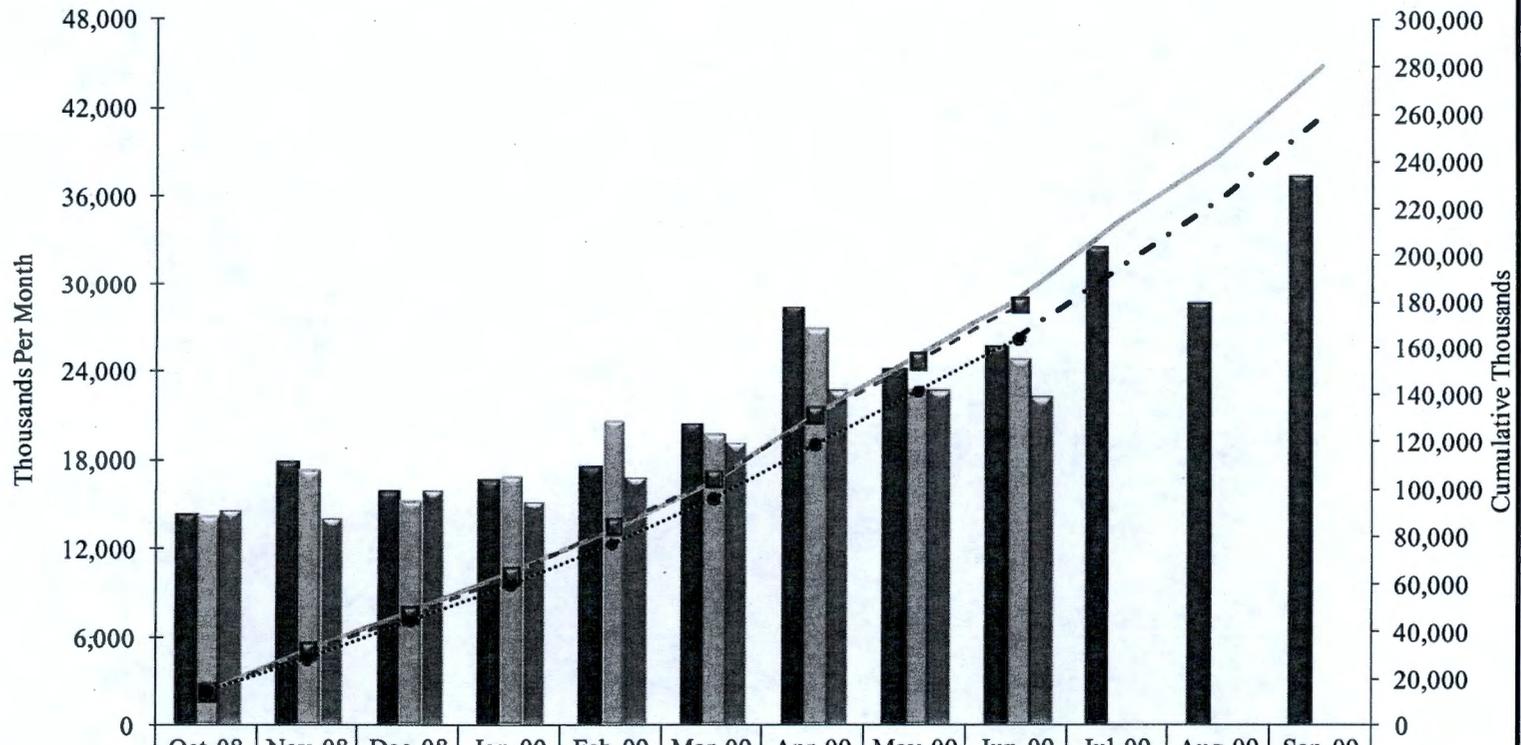
CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2008 - 06/2009

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Cumulative Contract-To-Date				Variance			Budget at Completion (BAC)
WBS	TITLE	Budgeted Cost		Actual Cost	Schedule	SV%	Cost	CV%	
		Work Scheduled	Work Performed	Work Performed					
5.1	BASE OPERATIONS								
5.1.1	Base Operations	\$ 48,550.9	\$ 48,043.4	\$ 48,019.1	\$ (507.5)	-1.0%	\$ 24.3	0.1%	\$ 68,831.6
5.1.2	DST Space Management	\$ 4,075.2	\$ 3,558.7	\$ 5,016.9	\$ (516.5)	-12.7%	\$ (1,458.1)	-41.0%	\$ 5,564.4
5.1.3	TOC Facility Operations	\$ 14,429.3	\$ 14,199.4	\$ 13,090.5	\$ (229.9)	-1.6%	\$ 1,108.9	7.8%	\$ 21,536.9
5.1.4	Tank Farm Upgrades	\$ 2,987.1	\$ 1,775.8	\$ 1,627.9	\$ (1,211.3)	-40.6%	\$ 147.9	8.3%	\$ 8,844.6
5.1.5	Project Support	\$ 62,043.6	\$ 63,163.8	\$ 52,824.0	\$ 1,120.2	1.8%	\$ 10,339.8	16.4%	\$ 96,164.3
	TOTAL	\$ 132,086.1	\$ 130,741.1	\$ 120,578.4	\$ (950.3)	-0.7%	\$ 10,162.7	7.8%	\$ 200,941.8
5.2	RETRIEVE AND CLOSE SSTs								
5.2.1	Retrieval/Closure Program	\$ 19,391.4	\$ 20,406.4	\$ 17,523.4	\$ 1,015.0	5.2%	\$ 2,883.0	14.1%	\$ 32,370.6
5.2.2	SST Retrieval East Area	\$ 17,769.8	\$ 16,792.7	\$ 17,777.7	\$ (977.1)	-5.5%	\$ (985.0)	-5.9%	\$ 29,033.8
5.2.3	SST Retrieval West Area	\$ 422.3	\$ 260.5	\$ 204.5	\$ (161.8)	-38.3%	\$ 56.0	21.5%	\$ 564.0
5.2.4	Closure Program	\$ 1,031.0	\$ 1,031.0	\$ 696.7	\$ -	0.0%	\$ 334.3	32.4%	\$ 1,415.3
5.2.5	SST Closure	\$ 613.2	\$ 629.4	\$ 300.1	\$ 16.2	2.6%	\$ 329.3	52.3%	\$ 1,079.6
	TOTAL	\$ 39,227.7	\$ 39,120.0	\$ 36,502.4	\$ (107.7)	-0.3%	\$ 2,617.6	6.7%	\$ 64,463.3
5.3	WFD/TREATMENT PLNG/DST RETRIEVAL/CLOSURE								
5.3.1	WTP Feed Delivery Program	\$ 6,521.8	\$ 6,484.0	\$ 5,034.7	\$ (37.8)	-0.6%	\$ 1,449.3	22.4%	\$ 9,488.6
5.3.2	Construct DST Retrieval Systems	\$ 855.1	\$ 782.0	\$ 612.7	\$ (73.1)	-8.5%	\$ 169.3	21.6%	\$ 1,513.0
5.3.3	RA - Transfer System Mod Project	\$ -	\$ 0.5	\$ 18.3	\$ 0.5	0.0%	\$ (17.8)	-3480.5%	\$ 388.8
5.3.6	Immobilization Program	\$ 467.0	\$ 467.0	\$ 468.1	\$ -	0.0%	\$ (1.1)	-0.2%	\$ 650.2
5.3.7	WTP Operational Readiness	\$ 474.8	\$ 272.6	\$ 91.0	\$ (202.2)	-42.6%	\$ 181.5	66.6%	\$ 1,099.0
5.3.11	Next Generation Projects	\$ 56.1	\$ 41.9	\$ 12.7	\$ (14.2)	-25.3%	\$ 29.2	69.7%	\$ 687.6
	TOTAL	\$ 8,374.8	\$ 8,048.0	\$ 6,237.5	\$ (326.8)	-3.9%	\$ 1,810.5	22.5%	\$ 13,827.2
5.4	SUPPLEMENTAL TREATMENT								
5.4.1	Supplemental Treatment	\$ 110.7	\$ 30.0	\$ 2.4	\$ (80.7)	-72.9%	\$ 27.6	92.0%	\$ 300.4
TOC		\$ 180,799.1	\$ 177,939.8	\$ 163,320.6	\$ (2,859.3)	-1.6%	\$ 14,619.2	8.2%	\$ 279,532.6

WRPS Cumulative-to-Date Performance (\$000)
October 2008 - September 2009



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
■ CM Plan (BCWS)	14,304	17,883	15,863	16,623	17,507	20,417	28,490	24,122	25,593	32,580	28,741	37,413
▒ CM Perf (BCWP)	14,177	17,254	15,200	16,837	20,600	19,717	26,818	22,618	24,720			
▓ CM Actuals (ACWP)	14,626	14,025	15,980	15,210	16,790	19,175	22,592	22,667	22,257			
— CTD Plan (BCWS)	14,304	32,186	48,049	64,672	82,179	102,595	131,085	155,207	180,799	213,379	242,120	279,533
- ■ CTD Perf (BCWP)	14,177	31,431	46,631	63,468	84,067	103,785	130,603	153,220	177,940			
.....● CTD Actuals (ACWP)	14,626	28,651	44,631	59,841	76,631	95,805	118,397	141,064	163,321			
- · - EAC									163,321	193,668	223,870	258,820

EARNED VALUE PERFORMANCE AT WBS LEVELS 3 and 4

*YELLOW SHADED CELLS ON THE FOLLOWING TABLES INDICATE THE VARIANCE IS REPORTABLE.

5.01.01 - BASE OPERATIONS

WBS 5.01.01.01 - Base Operations Project Management

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	266.7	257.6	201.4	(9.1)	56.2	0.97	1.28	
CTD	2,553.9	2,553.9	1,955.2	0.0	598.6	1.00	1.31	3,516.5

Schedule and Cost Variance Analysis

The CTD cost variance of \$599K is reportable:

Description/Cause: The CTD favorable cost variance is due to completing work with approximately 3 FTE's less than planned and subcontract work for sample analysis of vapor samples from B/BY Characterization was initiated later than anticipated.

Impact: N/A

WBS 5.01.01.02 - TSR/Surveillance & Maintenance

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	3,135.6	3,170.9	3,309.0	35.3	(138.1)	1.01	0.96	
CTD	29,928.8	29,252.9	31,106.1	(675.9)	(1,853.2)	0.98	0.94	41,646.0

Schedule and Cost Variance Analysis

The CTD schedule variance of (\$676K) is reportable:

Description/Cause: The CTD unfavorable schedule variance is behind schedule condition for DST and SST Preventive Maintenance activities.

Impact: No year-end impact is anticipated, as all maintenance activities are expected to be completed as planned.

The CTD cost variance of (\$1,853K) is reportable:

Description/Cause: The CTD unfavorable cost variance is the result of: 1) expending more labor than planned to perform maintenance activities and field and project work did not require support as expected. The labor budget for these activities was significantly underestimated this year. The CTD unfavorable cost variance is offset with a

favorable cost variance within spare parts, materials and supplies for general maintenance activities and related labor costs of buyers and QA techs for material ordering and receipt verification activities are also below planned levels.

Impact: This account is expected to be overrun at the end of the fiscal year but is accounted within the total WRPS EAC.

Corrective Action: Management will continue to monitor labor charging practices and maintain overtime at minimum levels. The cumulative unfavorable cost variance is expected to begin to decrease as field activities ramp up (242-A Evaporator campaigns, DST to DST tank transfers) and maintenance resources are assigned to support these tasks.

WBS 5.01.01.05 - Tank Chemistry and Integrity

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	892.8	734.3	522.2	(158.5)	212.1	0.82	1.41	
CTD	6,106.2	6,746.1	5,692.0	639.8	1,054.1	1.10	1.19	7,801.0

Schedule and Cost Variance Analysis

The CM schedule variance of (\$158K) is reportable:

Description/Cause: The CM unfavorable schedule variance is due to the work was planned (BCWS) to be completed in July, however, the AY-102 Corrosion Probe activity was completed ahead of schedule.

Impact: N/A

The CM cost variance of \$212K is reportable:

Description/Cause: The CM favorable cost variance is due to efficiencies realized with AW-106 UT field preparations and UT field scanning activities as the surface conditions of the tank wall requiring less than normal wall cleaning.

Impact: N/A

The CTD schedule variance of \$640K is reportable:

Description/Cause: The CTD favorable schedule variance is due to; 1) completing AY-102 Corrosion Probe ahead of the July 2009 scheduled due date; completing AN-106 Caustic Addition ahead of the August 2009 scheduled due date; and the subcontractor supporting the DST Supplemental Analysis & Modeling initiated work ahead of the April 2009 start date and 2) ahead of schedule on the AW-106 Ultrasonic work as the surface conditions of the tank wall are requiring less than normal wall cleaning.

Impact: N/A.

The CTD cost variance of \$1,054K is reportable:

Description/Cause: The CTD favorable cost variance is due to: 1) the AY-101 Corrosion Probe equipment shuffle activity took less field resources to complete than estimated, the design and fabrication was less than planned and labor efficiencies achieved during installation of the corrosion probe due to performing the AY-101 and AY-102 installation at the same time; 2) the AW-101 and AW-105 Ultrasonic Testing (UT) Examinations were conducted back-to-back which resulted in labor efficiencies during the field activities, and 3) efficiencies with the AW-106 UT field preparations and UT field scanning activities as to surface conditions of the tank wall are requiring less than normal wall cleaning.

Impact: N/A

WBS 5.01.01.06 - Solid Waste Management

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	427.6	427.6	341.3	0.0	86.4	1.00	1.25	
CTD	4,073.6	4,073.6	3,210.2	0.0	863.3	1.00	1.27	5,671.5

Schedule and Cost Variance Analysis

The CTD cost variance of \$863K is reportable:

Description/Cause: The CTD favorable cost variance is due to: 1) the Low Level Mixed Waste Debris and Volume Reduction received at the PermaFix facility and their cost charging process. When waste is received at PermaFix, 50% of the costs are billed to WRPS; 40% is billed when the waste has been processed; and the remaining 10% is billed when the waste has been disposed and the boxes are returned. The favorable variance will continue until PermaFix has completed processing and disposing of the waste received.

Impact: No action required at this time

5.01.02 - DST SPACE MANAGEMENT

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	398.8	516.4	594.5	117.6	(78.1)	1.30	0.87	
CTD	4,075.2	3,558.7	5,016.9	(516.5)	(1,458.1)	0.87	0.71	5,564.4

Schedule and Cost Variance Analysis

The CTD schedule variance of (\$516K) is reportable:

Description/Cause: The CTD unfavorable schedule variance is primarily due to: 1) Safety Significant Valves Potential Inadequacy in the Safety Analysis (PISA) was discovered early in FY09 and impacted all transfers which utilized Double Valve Isolation (DVI) to Physically Disconnect Transfer Routes. Transfers which relied upon the DVI were not authorized until the Valves could be reclassified as Evaluated Valves which caused the planned recirculation and transfer of AP105 to AZ102 to be delayed, 2) Technical Safety Requirement (TSR) violation for past transfers with respect to Commercial Grade Item (CGI) documentation for procurement specifications was discovered which caused the recirculation of waste within Tanks AP-107 and Transfer from Tank 241-AP-104 to Tank 241-AP-101 to be delayed, 3) further delays resulted due to the 242-A Evaporator Campaign 09-01 and 09-02 delays from the original schedule, and 4) procurement of Safety Class Equipment and CGI documentation for existing equipment installed to support C-104 retrieval continues to challenge the schedule. These problems are migrating to the pump installation for AY-101 which is needed to support C-104 retrieval startup. In addition, the schedule has been negatively impacted by the as found conditions in the Valve Pits and degrading transfer equipment requiring repairs prior to the transfer; the new Transfer Readiness-to-Proceed process requirement to perform dry runs prior to the actual transfer; and by the C-104 Retrieval causing other DST transfers in the schedule to slip.

Impact: The DST to DST Transfer account will continue to reflect an unfavorable schedule variance thru July 2009, due to the delays in the Evaporator Campaign schedule which delays the transfer schedule.. Not performing these transfers as scheduled and the continued challenges with procurement of Safety Class Equipment and CGI documentation for existing equipment will continue to push out transfers and negatively impact the schedule.

Corrective Action: Schedule slip is under evaluation.

The CTD cost variance (\$1,458K) is reportable:

Description/Cause: The CTD unfavorable cost variance is primarily due to unplanned maintenance costs associated with the decontamination of the condenser room, repair of the condenser room secondary containment special protective coatings, removal of existing electric compressors and preparation work for installation of the new electric compressors and equipment repairs necessary to support the 242-A Evaporator campaign, and 2) the extended duration of the Campaigns.

Impact: The unfavorable cost variance is unrecoverable, however is factored into the overall WRPS EAC.

5.01.03 - TOC FACILITY OPERATIONS**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	1,890.0	1,650.7	1,541.9	(239.4)	108.8	0.87	1.07	
CTD	14,429.3	14,199.4	13,090.5	(229.9)	1,108.9*	0.98	1.08	21,536.9

Schedule Variance and Cost Variance Analysis

The CM schedule variance of (\$239K) and is reportable:

Description/Cause: The CM SV is due (1) delays in obtaining personnel (project manager, project engineers, quality assurance engineer, HPTs, and laboratory technicians) for Recovery Act scope; (2) delay in initiating the Drawing Reconstitution activities due to contractor performing higher priority work; and, (3) replacement of electrical light fixtures due to the delay in obtaining four electricians. The schedule variance will diminish as staff is acquired and work scope is initiated.

Impact: N/A

5.01.04 - TANK FARM UPGRADES**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	1,073.1	443.8	267.9	(629.2)	175.9	0.41	1.66	
CTD	2,987.1	1,775.8	1,627.9	(1,211.2)	147.9	0.59	1.09	21,695.0

Schedule and Cost Variance Analysis

The CM schedule variance of (\$228K) and (\$401K) (RA) is reportable:

Description/Cause: The CM unfavorable schedule variance is due to the DST Valve Assembly Upgrades AW-B field work being delayed due to the 242-A Evaporator Campaign completing later than expected. This work cannot be performed until the 242-A Evaporator Campaign has completed. Additionally, the CM unfavorable schedule variance within RA Scope is due to the later than planned work authorization and initiation.

Impact: The schedule will be recovered.

The CTD schedule variance of (\$810K) and (\$401K) (RA) is reportable:

Description/Cause: The CTD unfavorable schedule variance is due to: 1) the DST Valve Assembly Upgrades AW-B field work delayed due to the 242-A Evaporator Campaign completing later than planned, 2) the Cathodic Protection Upgrades delayed due to the late completion of the Annual Cathodic Protection System adjustments. The Cathodic Protection System Project Rectifier adjustments could not be performed until the annuals were complete, and 3) 242-A Evaporator Upgrades due to limited engineering resources assigned to the 242-A Evaporator

Campaign which continue to utilize resources necessary for the Life Extension Study, PC-5000 Leak Detector Preliminary Design, and the 242-A Exhaust Skid Design. Additionally, the CM unfavorable schedule variance within RA Scope is due to the later than planned work authorization and initiation.

Impact: The schedule is expected to be recovered with the exception of the 242-A Exhaust Skid Design scope which will be completed in FY 2010 as Recovery Act Scope

WBS 5.01.05.02 - Environmental, Safety, Health and Quality Assurance

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	1,068.7	1,051.6	1,217.6	(17.1)	(166.0)	0.98	0.86	
CTD	10,427.5	10,366.2	9,988.2	(61.3)	378.0	0.99	1.04	14,421.2

Schedule Variance and Cost Variance Analysis

The CM cost variance of (\$166K) is reportable:

Description/Cause: The current month negative cost variance is the result of contract support for ISMS verification activities being completed and invoiced sooner than planned.

Impact: N/A

WBS 5.01.05.05 - Workforce Resources

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	744.7	672.8	983.5	(72.0)	(310.8)	0.90	0.68	
CTD	6,183.3	6,397.4	5,221.6	214.1	1,175.8	1.03	1.23	8,966.2

Schedule Variance and Cost Variance Analysis

The CM cost variance of (\$310.8K) is reportable:

Description/Cause: The variance is due to: 1) actual relocation and bonus (in lieu of relocation) costs starting to accrue for incremental staff hired supporting RA scope, as well as, costs received for prior month's relocation costs; and 2) additional subcontract costs supporting RA scope .

Impact: N/A

The CTD cost variance of \$1,176K is reportable:

Description/Cause: The variance is due to: 1) labor efficiency gains by streamlining the mandated Lockout-Tagout and Maintenance Safety Classification training classes, and 2) additional cost savings from subcontracted training .

Impact: N/A

WBS 5.01.05.06 - Business Services**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	1,690.5	1,690.5	1,323.1	0.0	367.4	1.00	1.28	
CTD	16,083.9	16,083.9	12,222.1	0.0	3,861.8	1.00	1.32	22,401.0

Schedule Variance and Cost Variance Analysis

The CM cost variance of \$367K is reportable:

Description/Cause: The variance is primarily due to the initiation of liquidations to RA and Interim Barrier accounts

Impact: N/A

The CTD cost variance of \$3,862K is reportable:

Description/Cause: The variance is primarily due to 1) B&O tax being eliminated, 2) IRM lower than planned for materials and subcontracted service/support charges from Lockheed Martin Information Technology; 3) liquidations to account for RA support; 4) unfilled staffing positions and 5) elimination of occupancy costs and DOE cost allocation.

Impact: N/A

WBS 5.01.05.08 - Hanford Pension and Benefits**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	1,216.6	1,216.6	1,391.6	0.0	(175.0)	1.00	0.87	
CTD	11,590.1	11,590.1	11,014.6	0.0	575.5*	1.00	1.05	16,136.5

Schedule Variance and Cost Variance Analysis

The CM cost variance of (\$175K) is reportable:

Description/Cause: is due to: 1) fluctuations between monthly budget allocations for Pension costs based on fiscal calendar and the actual monthly payments into the fund.

Impact: N/A

5.02.01 - RETRIEVAL/CLOSURE PROGRAM

June 2009 (\$K)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	3,517.1	4,570.5	2,422.0	1,053.4	2,148.5	1.30	1.89	
CTD	19,391.4	20,406.4	17,523.4	1,015.0*	2,883.1	1.05	1.16	33,623.7

Schedule Variance and Cost Variance Analysis

The CM schedule variance of \$1,053K is reportable:

Description/Cause: The variance is primarily due to: 1) Retrieval Technology Development, due to significant progress made earlier than planned in procurement work activities supporting the MARS testing and , 2) HIHTL Disposition due to accelerating the removal of three C-Farm HIHTLs, and early removal of insulation and steel plates on remaining HIHTL. Additionally, field work performed was on less hazardous activities implementing reduced controls.

Impact: N/A

The CM cost variance of \$2,149K is reportable:

Description/Cause: The variance is primarily due to: 1) Hose in Hose Transfer Line Disposition efficiencies in engineering and field work activities (grouping multiple hoses together to be worked in parallel, fewer contaminated HIHTL's than anticipated, and incorporation of lessons learned from previous HIHTL removals); 2) Interim Barrier costs not being received within current month associated with direct push activities with SX-Farm (cost does not accurately represent the work performed); 3) Retrieval Technology Development technical changes to the MAR and 4) Catch Tank & Pipeline Reporting, costs were not received.

Impact: N/A

The CTD cost variance of \$2,883K is reportable:

Description/Cause: The variance is primarily due to 1) Hose in Hose Transfer Line Disposition efficiencies in engineering and field work activities (grouping multiple hoses together to be worked in parallel, fewer contaminated HIHTL's than anticipated, and incorporation of lessons learned from previous HIHTL removals); and 2) used direct labor rather versus subcontractor support for the initial planning of the Catch Tank and Pipeline reporting, and efficiencies with reporting procedures.

The CTD CV was partially offset by: 1) higher than planned costs for HPT readiness. HPTs utilized a higher than planned readiness to serve rate due to various factors (weather setbacks and training). As a result of a readiness to serve account was not established within the field activities, ESH&Q management account was charged for the first five months of the FY until charging practices could be established. In addition, actual costs for executive level staff were higher than planned in the FY 2009 budget; 2) increased costs resulting from the technical change approach of the MARS.

Impact: N/A

5.02.02 - SST RETRIEVAL EAST AREA**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	2,131.8	1,996.9	2,784.0	(134.9)	(787.1)	0.94	0.72	
CTD	17,769.8	16,792.7	17,777.7	(977.1)	(985.1)	0.95	0.94	29,033.8

Schedule Variance and Cost Variance Analysis

The CM cost variance of (\$787K) is reportable:

Description/Cause: The variance is primarily due to 1) primarily due to unexpected design modifications and additional rework resulting from CGID equipment clearance issues on C-104. In addition, increased planning/preparation work was required to complete: 04-A jumper, pump removal/disposal, sluicer installation, and high radiological conditions in 04-A pit. Crews have been working extra shifts to accelerate completion of construction when possible; 2) the unfavorable cost variance due to design modifications and additional rework resulting from interference problems with HIHTL strongback shield box with the AN-01A pit wall; crews working extra shifts to accelerate construction completion; and, Engineering and Quality Assurance (QA) resources increased due to resolving outstanding CGIDs for Safety Significant components.

Impact:

1) Compliance with CGID has resulted in additional labor and material costs for rework of Quality Assurance Inspection Plans, including rigorous inspections and travel to vendor facilities. The CGIDs are required for the acceptance and/or re-procurement of Safety Significant components in jumper assemblies. Overrun will be accounted for in the fiscal year spend forecast/EAC.

The CTD SV of (\$977K) is reportable:

Description/Cause: The variance is due to: 1) C-104 Retrieval delays in removing water from the 04B-Pit; using absorbent to clean out remains in the 04B-Pit; discovery of high RAD conditions in the 04A-Pit; delays in procurement and construction contract awards; and resolution of CGID issues on Safety Significant components, 2) due to previous resource priority given to C-110 Retrieval Operations and 3) C-104 Construction; delays in procurement and construction contract awards; and resolution of CGID issues on Safety Significant components. The negative variance is partly offset by C-110 Retrieval, due to the acceleration and completion of C-110 Construction and Retrieval Operations.

Impact:

1) The scheduled completion date for C-104 Construction slipped from the original June 30, 2009 date to September 22, 2009, 2) AN-01A Pit modification has unfavorably affected current completion of schedule and is now on a parallel critical path to starting C-104 Retrieval Operations.

Corrective Action:

1) Construction will work extra shifts to accelerate installation of the Waste Retrieval System. Retrieval Operations is planning multiple shifts during retrieval to recapture schedule delays. Engineering and QA resources are focused on resolving outstanding CGIDs for Safety Significant components.

The CTD CV of (\$985K) is reportable:

Description/Cause: The variance is primarily due to increased planning and preparatory work required to complete 04-A jumper removal, pump removal / disposal, sluicer installation due to high radiation readings in the 04-A pit, and additional costs for 04-B pit water removal. In addition, compliance with CGID has resulted in additional labor and material costs for rework of QA Inspection Plans, including rigorous inspections and travel to vendor facilities and 2) increased Engineering and QA resources needed to resolve outstanding CGIDs for Safety Significant components. The variance is partially offset by efficiencies during C-110 retrieval.

5.02.03 - SST RETRIEVAL WEST AREA**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	197.4	26.8	26.0	(170.6)	0.8	0.14	1.03	
CTD	422.3	260.5	204.5	(161.8)	56.0	0.62	1.27	564.0

Schedule Variance and Cost Variance Analysis

The CM schedule variance of (\$171K) is reportable:

Description/Cause: The unfavorable schedule variance is due to additional equipment needs.

Impact: N/A

5.03.01 - WTP FEED DELIVERY PROGRAM**June 2009 (\$K)**

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	949.3	1,020.5	989.4	71.2	31.2	1.08	1.03	
CTD	6,521.8	6,484.0	5,034.7	(37.8)	1,449.3	0.99	1.29	10,368.0

Schedule Variance and Cost Variance Analysis

The CTD CV of \$1,449K is reportable:

Description/Cause: The variance is primarily due to delay in Recovery Act mobilization, and miscellaneous staffing vacancies and contracts.

Impact: N/A

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

I. Near-Term Deliverables:

- **M-45-56F, Complete Implementation of Agreed to Interim Measures**
Due: 07/31/09
Status:
ORP and Ecology met on July 21, 2009 to discuss completed FY2008 interim measures:
 1. Maintenance plan for previously constructed interim measures.
 2. Assessment of design alternatives for future interim barriers.
 3. Criteria document for interim barrier prioritization and evaluation.Future interim measures were discussed.
- **M-45-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C**
Due: 12/31/08
Status: Complete. Report transmitted by ORP/RL to Ecology on December 19, 2008. Ecology comments on the SAP and workplan were transmitted to ORP/RL the week of April 20, 2009. Responses were transmitted to Ecology on June 24, 2009.
- **M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C**
Due: 12/31/10
Status: At Risk. See issues below.
- **M-45-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan for WMA C**
Due: 7/31/12
Status: At Risk. See issues below.

II. Significant Accomplishments:

- T-Farm interim barrier monitoring continues.
- Continued direct push characterization in C Farm per the Phase 2 RFI/CMS work plan and SAP for WMA C.
- Continued direct push characterization in SX Farm in support of Interim Barrier Design
- Continued the joint process with Ecology and other regulatory agencies and stakeholders to define the inputs, approaches, assumptions and methods that will be used for development of a performance assessment for Waste Management Area C.

- Continued design efforts for Interim Surface Barrier at TY Farm.

III. Significant Planned Actions in the Next Six Months:

- Complete SGE data analysis for SX-Farm.
- Initiate SGE data collection at two additional UPR sites in C Farm.
- Continue direct push campaigns in both SX and C farms.
- Complete design of an interim barrier for TY farm.
- Initiate design of an interim barrier at SX farm.
- Identify the next site for characterization for a future interim barrier.
- Initiate direct push and SGE characterization of the next site for characterization for a future interim barrier.

IV. Issues

- The transmittal letter for M-45-50 (WMA C work plan and SAP) indicated that the scope of characterization activities identified in the plan could not be completed in time to support the currently scheduled dates for M-45-61 and M-45-62. Discussion of a change proposal will be initiated.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms SST Retrieval and Closure Program

I. Deliverables

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**
Due: 9/30/10
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
Due: 9/30/11
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
Due: 9/30/12
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
Due: 9/30/13
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
Due: 9/30/14
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/15
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/16
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/17
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**
Due: 9/30/24
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
Due: 3/31/12
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-06-T04, Complete Closure Actions on one WMA**
Due: 3/31/14
Status: To Be Missed (based on current DOE Baseline planning).

II. Significant Accomplishments

- Continued C-111 ventilation and equipment installation design.
- Commenced Construction Acceptance Testing on C-104 WRS and on AN-101 DST transfer pump.
- Completed Safety Basis Amendment for C-104 WRS. Received ORP approval. Initiated implementation.
- Completed procurement of long lead equipment for C-111 WRS.
- Awarded C-111 construction contract for equipment removal and ventilation installation.
- Sampled C-108 heel and transported samples to 222S laboratory.
- Initiated MARs installation at Cold Test Facility for phase II testing.
- Refurbished and Restarted S-102 HVAC system to facilitate free liquid removal and move back to 'interim stabilized' condition.

III. Significant Planned Activities in the Next Six Months

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

IV. Issues

- Milestones M-45-00B (retrieve all C Farm tanks), M-45-00C (initiate negotiations on SST retrievals for 2007-2008), and M-45-00D (initiate negotiations on SST retrievals for 2008-2013) were missed. TPA negotiations to address these and other milestones were halted when the State of Washington filed a lawsuit over the missed milestones.
- Ecology formally requested re-start dates for C-108, C-109, C-110, and S-102 in a letter dated October 13, 2008. Restart dates for these retrievals are in the process of being identified.

C-FARM RETRIEVAL SUMMARY SCHEDULE FORECASTS ^a

Tank	Final Design Drawings complete	Construction Complete	Process Control Plan Complete	Start Retrieval	Complete Retrieval	TSAP Complete	Retrieval Data Report or Appendix H to Ecology/EPA
C-101	4/1/11	3/23/12	4/8/12	5/8/12	8/11/14	7/11/14	1/13/15
C-102	9/30/11	9/20/12	10/2/12	11/2/12	8/19/14	7/19/14	4/16/15
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104	Complete	8/17/09	Complete	9/29/09	4/15/12	3/15/12	12/7/12
C-105	6/28/11	6/18/12	7/1/12	8/1/12	8/19/14	7/19/14	4/8/15
C-106	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-107	3/21/14	12/19/14	2/26/15	3/26/15	12/18/15	11/18/15	4/26/17
C-108 ^c	Complete	Complete	Complete	Complete	11/9/10	10/9/10	7/8/11
C-109 ^{cd}	Complete	Complete	Complete	Complete	12/21/11	11/21/11	8/16/12
C-110	Complete	Complete	Complete	Complete	8/21/11	7/21/11	4/17/12
C-111	9/30/09	5/20/10	6/3/10	7/3/10	1/21/13	12/21/12	9/13/13
C-112	8/16/10	8/5/11	8/20/11	9/20/11	4/22/13	3/22/13	2/13/14
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	Complete

- a. Completion dates are based on the statused July month-end Integrated Mission Execution Schedule (IMES) as of 7/29/09 and the Near Term Baseline Schedule (NTBS) and are subject to change as efforts continue to identify and implement schedule efficiencies.
- c. Sluicing was performed to the limits of the sluicing system technology.
- d. Hard Heel Retrieval using MRT complete to limits of technology, not achieving less than 360 cu ft residual, awaiting future retrieval path forward.

SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

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

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

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

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

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

- **M-45-02P-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks**
Due: 4/30/12
Status: On schedule.
- **M-45-02Q, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/14
Status: On Schedule
- **M-45-02Q-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/14
Status: On Schedule
- **M-045-02R, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/16
Status: On Schedule
- **M-045-02R-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/16
Status: On Schedule
- **M-45-02S, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/18
Status: On Schedule
- **M-45-02S-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/18
Status: On Schedule

II. Significant Accomplishments

None.

III. Significant Planned Activities in the Next Six Months

- None.

IV. Issues

- None.

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**

Due: 2/27/04

Status: Complete.

II. Significant Accomplishments

- None.

III. Significant Planned Activities (PA) in the Next Six Months

- Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A Request for Additional Information (RAI) was received from the NRC in February 2009. (It has been discussed with the NRC that much of the additional information requested is dependent upon development of C-Farm residual waste PA and, therefore, cannot be provided until the PA is published.)
- Continue PA workshops with Ecology, EPA, NRC, and DOE HQ focused on residual waste in C Farm tanks and pipelines following retrieval.

IV. Issues

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

Tank 241-S-102

I. Deliverables

- **M-45-05A, Complete Waste Retrieval from Tank S-102**

Due: 3/31/07

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

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**

Due: 6/30/11

Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
Due: 6/30/11
Status: On schedule.
- **M-45-15B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank**
Due: 6/30/11
Status: On schedule.
- **M-45-15C, Embedded Milestone, An update to the S-102 Component Closure Activity Plan has been submitted by DOE**
Due: 6/30/11
Status: On schedule.
- **M-45-15D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H**
Due: 6/30/11
Status: On schedule.

II. Significant Accomplishments

- Restarted S-102 exhauster to reduce the volume of supernatant liquid in the tank.

III. Significant Planned Activities in the Next Six Months

- Continue to operate the S-102 exhauster.

IV. Issues

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

Tank 241-S-112

I. Deliverables

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

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

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

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

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

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

II. Significant Accomplishments

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

III. Significant Planned Activities in the Next Six Months

- None.

IV. Issues

- None.

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs

Due: 09/30/04

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

II. Significant Accomplishments:

- Restarted S-102 exhauster to reduce the volume of supernatant liquid in the tank.

III. Significant Planned Actions in the Next 6 Months:

- Continue to operate the S-102 exhauster.

IV. Issues

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

In Tank Characterization and Summary

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

I. Accomplishments:

- Completed tank 241-C-108 solids sampling on July 23, 2009.
- Completed revision 2 of RPP-PLAN-40585, *Sampling and Analysis Plan for Waste Solids in Tank 241-C-108* on July 27, 2009.
- Completed revision 0 of RPP-PLAN-37778, *Sampling and Analysis Plan for Tank 241-C104 Stack Chemical Emissions* on July 27, 2009.
- Format II data report 20090467, Rev. 1, *Format II Report for Tank 241-AN-106 Post-Caustic Addition Grab Samples Collected in June 2009 in Support of the Tank Farms Recovery Plan TE-RP-09-01* was issued on July 8, 2009.

II. Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-AZ-102 liquid grab samples scheduled for August 2009.
 - Tank 241-AP-107 evaporator grab samples scheduled for September 2009.
 - Tank 241-AY-101 liquid grab samples scheduled for November 2009.
 - Tank 241-AN-101 mid C-104 retrieval samples scheduled for November 2009.
 - Tank 241-AN-102 corrosion mitigation samples scheduled for September 2009.
- BBI Updates
 - Ten tank updates are planned for the fourth quarter of fiscal year 2009. The updates for six of the ten tanks have been started.
- Data Quality Objectives (DQO)
 - Complete revision 4 of the SST Component Closure DQO in September 2009.
 - Complete revision 7 of the Evaporator DQO in August 2009.
 - Complete revision 10 of the Chemistry Control DQO in September 2009.
 - Complete revision 2 of the Corrosion Probe DQO in September 2009.
 - Complete revision 15 of the Compatibility DQO in September 2009.

III. Issues:

- None.

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

I. Near-Term Deliverables:

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

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

II. Significant Accomplishments:

- None.

III. Significant Planned Actions in the Next Six Months:

- None.

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

- None.

V. Issues:

- Nothing to report.

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

EVAPORATOR CAMPAIGNS

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

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

I. Near-Term Deliverables:

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

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

II. Significant Accomplishments:

- None to report.

III. Significant Planned Actions in the Next Six Months:

- None to report.

IV. Issues

- None to report.

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

I. Near-Term Deliverables:

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes**
Due: 12/31/2028
Status: To Be Missed.
- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes**
Due: 02/28/2018
Status: To Be Missed.
- **M-62-01R, Submit Semi-Annual Project Compliance Report**
Due: 01/31/2009
Status: Complete.
- **M-62-01S, Submit Semi-Annual Project Compliance Report**
Due: 07/31/2009
Status: On Schedule.
- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility**
Due: 12/31/2007
Status: Missed.
- **M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle**
Due: 06/30/2006
Status: Missed.
- **M-62-09, Start Cold Commissioning – Waste Treatment Plant**
Due: 02/28/2009
Status: To Be Missed (based on current DOE Baseline planning).

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant**
Due: 01/31/2011
Status: To Be Missed (based on current DOE Baseline planning).
- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline**
Due: 06/30/2007
Status: Missed.

II. Significant Accomplishments:

- None to report.

III. Significant Planned Actions in the Next Six Months:

- None to report.

IV. Issues:

- None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

There are about 2,950 FTE equivalent contractor [Bechtel National Inc. (BNI)] personnel working on the WTP Project, with about 1,405 FTE equivalents working at the WTP construction site (all facilities): 765 manual, 390 non-manual, and about 250 subcontractor personnel. Overall project percent complete through June 2009 is 49%, design and engineering is 75% complete, and construction is 45% complete.

The overall WTP Project cost and schedule performance was again positive for June, and the cost and schedule performance continues to be positive for construction; however, engineering schedule performance in June was negative for the first time in several months. Vessel and equipment design and procurement is an area that continues to be a concern. The following areas are under evaluation for opportunities to reduce design complexities.

Material at Risk (MAR)

The Material at Risk (MAR) update for the WTP is being implemented by the contractor by submitting a Preliminary Safety Documented Safety Analysis (PDSA) Addendum initially for the Pretreatment (PT) Facility, followed by the High Level Waste Facility. Final approval of an addendum to the PDSA is forecasted to be in August.

Hydrogen in Piping and Ancillary Vessels (HPAV)

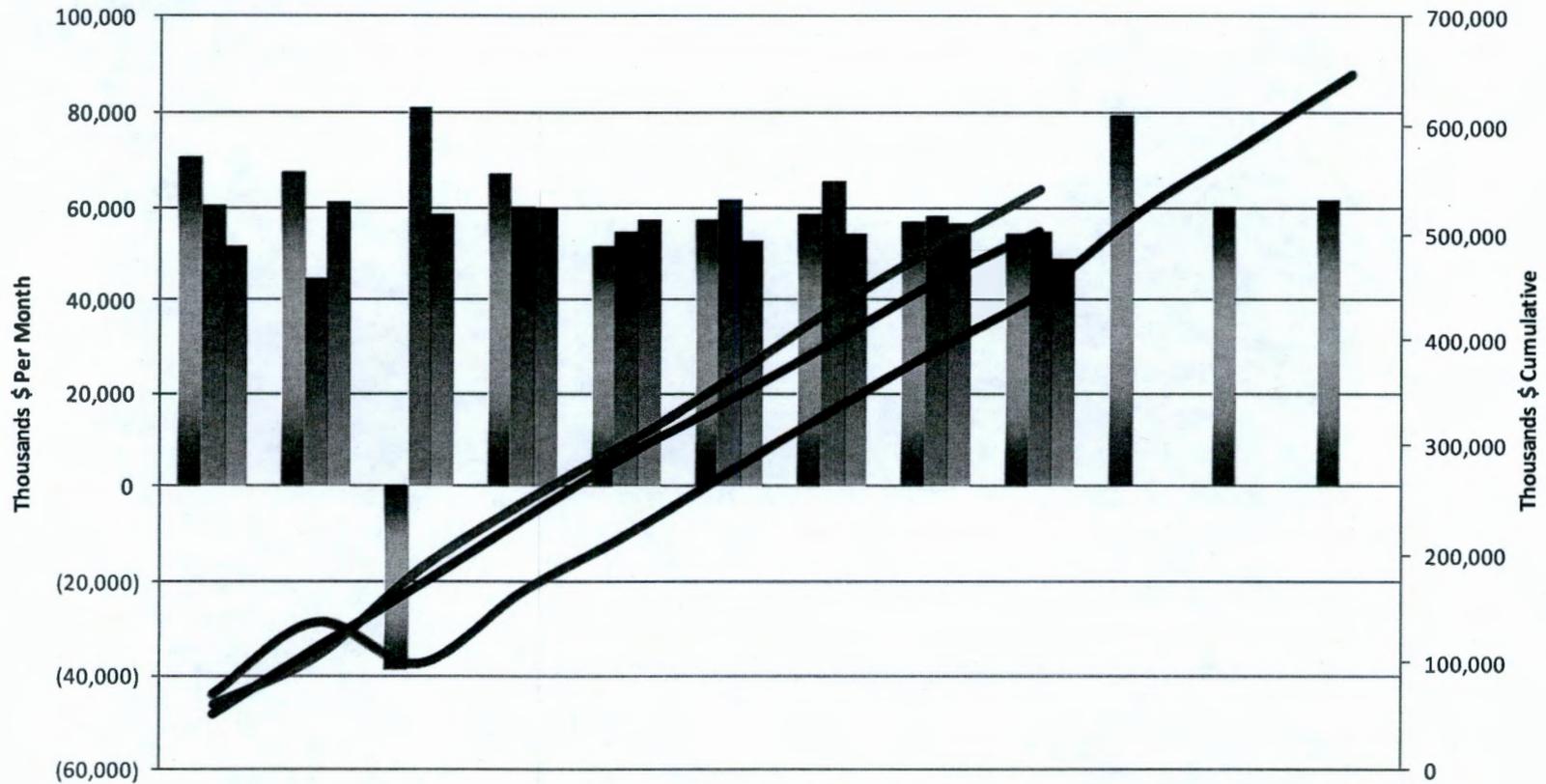
Based on recommendations by the HPAV team chartered in February 2009, ORP and BNI have evaluated team recommendations that could result in removing unnecessary complexity in the control strategy, while still maintaining safety commensurate to the risk. Much progress has been made in understanding the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

DOE-STD-1066

ORP is pursuing compliance with DOE-STD-1066, Section 14, Nuclear Filter Plenum Fire Protection, using the alternate approach permitted by the standard. The alternate approach will

demonstrate a comparable level of safety to that achieved by verbatim compliance with the Section 14 requirements. A ventilation system evaluation and gap analysis between DOE-STD-1066-97, Section 14 and WTP design submitted by the Contractor has been reviewed by ORP, and ORP has requested concurrence from the DOE EM Program Secretarial Officer (PSO) accepting the alternate approach, including gaps, as acceptable. The WTP Contractor submitted a draft Authorization Basis Amendment Request (ABAR) for revising the Safety Requirements Document and Preliminary Documented Safety Analysis to incorporate the alternate approach. ORP approval of the ABAR is forecasted for August 2009.

WTP – Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	70,758	67,579	(38,879)	67,150	51,588	57,411	58,690	56,923	54,235	79,338	60,309	61,691
Monthly Perf (BCWP)	60,635	44,807	80,838	60,176	54,721	61,703	65,588	58,261	54,679			
Monthly Actuals (ACWP)	51,680	61,458	58,506	59,979	57,523	52,913	54,444	56,863	48,848			
BCWS (FY to Date)	70,758	138,337	99,459	166,609	218,197	275,608	334,299	391,221	445,456	524,794	585,103	646,795
BCWP (FY to Date)	60,635	105,442	186,279	246,455	301,176	362,879	428,467	486,728	541,407			
ACWP (FY to Date)	51,680	113,138	171,644	231,623	289,146	342,059	396,503	453,366	502,214			

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

The PT Facility will separate radioactive tank waste into high-level waste (HLW) and low-activity waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Overall facility percent complete is 45%, engineering/design is 74% complete, and construction is 25% complete.

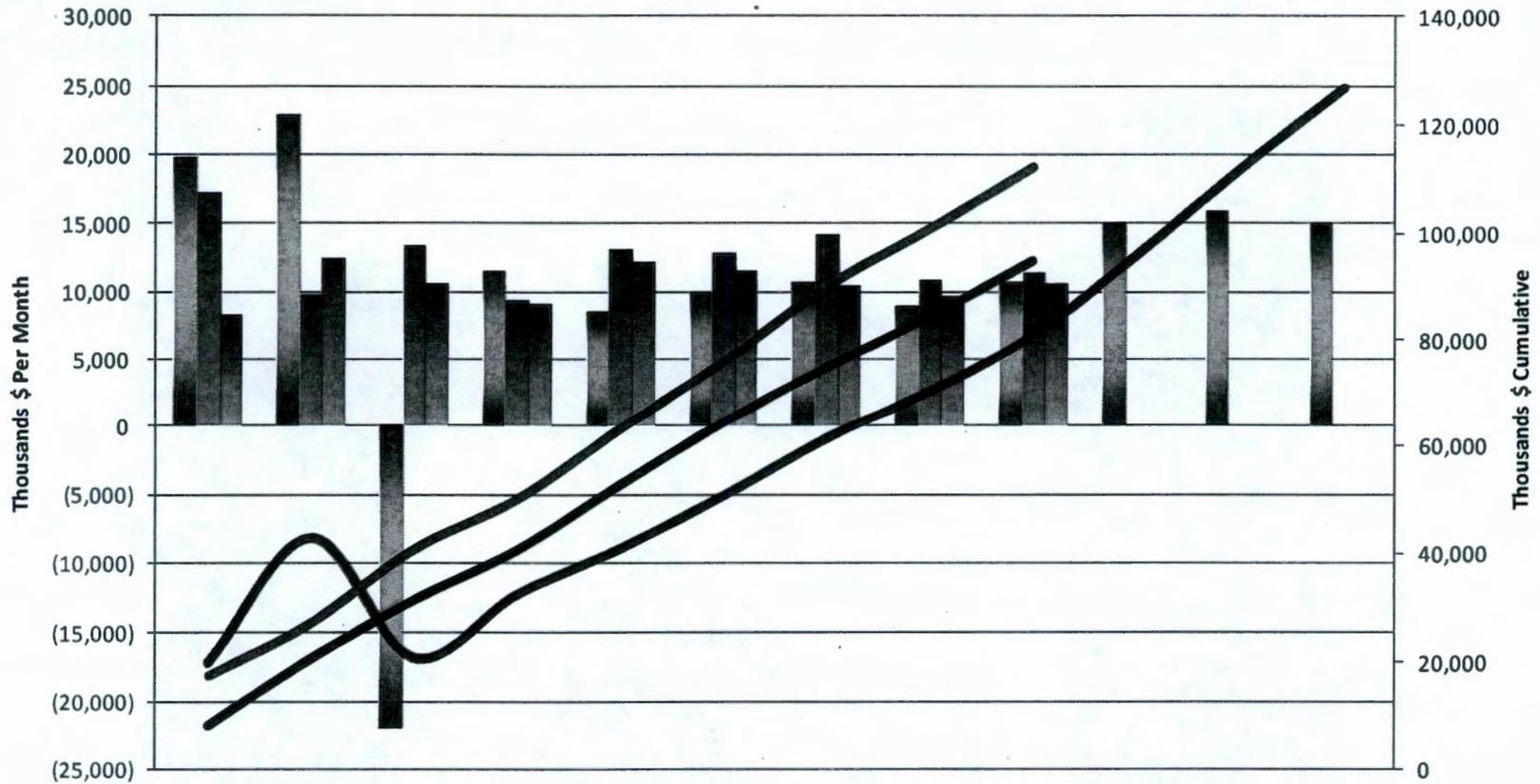
Construction installations for the month included: 208yd³ of concrete, 86 tons of rebar, 27,000 lbs of embeds and over 103 tons of tier -3 structural steel. Concrete placements in June and July were hampered due to the tower crane and demag cranes being down for mechanical issues. BNI has completed recovery schedule to meet the baseline placements by December 2009. Structural steel installations and concrete placements are ongoing at the 56 ft elevation. Application of special protective coatings to walls and floors are ongoing at the 28 ft elevation. Apply surface coatings to walls and floors. Liner plate installation by the sub-contractor is ongoing in the Black cells. In addition, applications of fireproofing on columns have been initiated in the planning area 1, and fabrication of rebar curtains; building scaffolding; welding of piping are ongoing.

Over 400 piping isometric drawings were issued this month. The structural and architectural group is 9 weeks ahead of schedule for drawing releases, adding to the available work backlog for construction. Piping design for planning areas 1 and 7 was completed on July 31, 2009. BNI engineering design process is being evaluated and restructured to reduce the seismic analysis backlog for the stress and supports group and improve plant design production rate. Additionally, conceptual designs for Jumper/framing in the hot cell have been advanced to facilitate system integration with the piping and equipment design and reduce procurement risks.

A number of technical issues are being worked on by BNI in conjunction with DOE. A recent evaluation of the implementation of vendor commercial grade dedication system (CGD) program revealed that CGD requirements were not adequately met by the sub-suppliers to the BNI vendors. BNI placed all deliveries on hold and is conducting a systematic evaluation of each supplier and their sub-suppliers. The effort is scheduled to complete on October 30, 2009 and priority is being given to suppliers with deliveries pending. Closure of the EFRT M3 issue (Vessel Mixing) is scheduled for the end of FY2009. Currently 26 of the 38 PJM mixed vessels are considered to be acceptable in accordance with the WTP vessel mixing criteria. Testing is in progress to evaluate the remaining vessels, determine acceptability, and identify need for

potential upgrades. BNI conducted an engineering analysis to identify potential solutions for the reboiler condensate contamination issue. BNI and DOE conducted a joint review of the potential alternatives and determined that a secondary steam loop was the most appropriate solution. BNI presented this solution to ORP management for consideration and is currently developing ROM cost estimates for the implementation. The majority of technical issues for the cesium nitric acid recovery process (CNP) have been resolved. Efforts to evaluate the lifecycle for evaporator vessel and rectifier internals continue. BNI developed a risk mitigation plan for solids formation in the CXP system and presented the plan to ORP management. Equipment and process changes affecting the current design will be identified prior to the end of FY2009.

Pretreatment Facility - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	19,822	22,850	(21,942)	11,504	8,508	9,843	10,639	8,999	10,700	15,005	15,952	15,017
Monthly Perf (BCWP)	17,263	9,824	13,441	9,389	13,107	12,825	14,160	10,882	11,402			
Monthly Actuals (ACWP)	8,307	12,437	10,595	9,141	12,121	11,506	10,469	9,608	10,509			
BCWS (FY to Date)	19,822	42,671	20,729	32,233	40,741	50,584	61,223	70,222	80,921	95,927	111,879	126,896
BCWP (FY to Date)	17,263	27,087	40,527	49,916	63,023	75,848	90,008	100,890	112,293			
ACWP (FY to Date)	8,307	20,744	31,339	40,479	52,601	64,106	74,575	84,183	94,692			

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

The HLW Facility will receive the high-level waste fraction from the Pretreatment (PT) Facility. The concentrate is sampled and analyzed to determine the optimum blend of glass formers to create a slurry that will produce a vitrified waste form that is both compliant with all disposal requirements and also processable at the rate required. The blended slurry is converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters for cooling. The canisters are sealed and transported to a decontamination cell where any surface contamination is removed prior to transfer for interim or final storage. HLW engineering/design is 78% complete and construction is 22% complete. The overall facility completion is 45% complete.

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

Engineering accomplishments in July include: reviewing structural steel drawings; issuance of wall forming drawings to construction; issuance of the remaining structural steel elevation drawings for steel above the +58' elevation and the main structural steel plans for the roof elevation for internal review; issuance of joggle drawings; issuing penetration spacing verification documents (PSVD) associated with the canister handling and elevation +23' slabs; and issuing piping isometric drawings to construction equating to ~5,000 lineal feet of piping. In

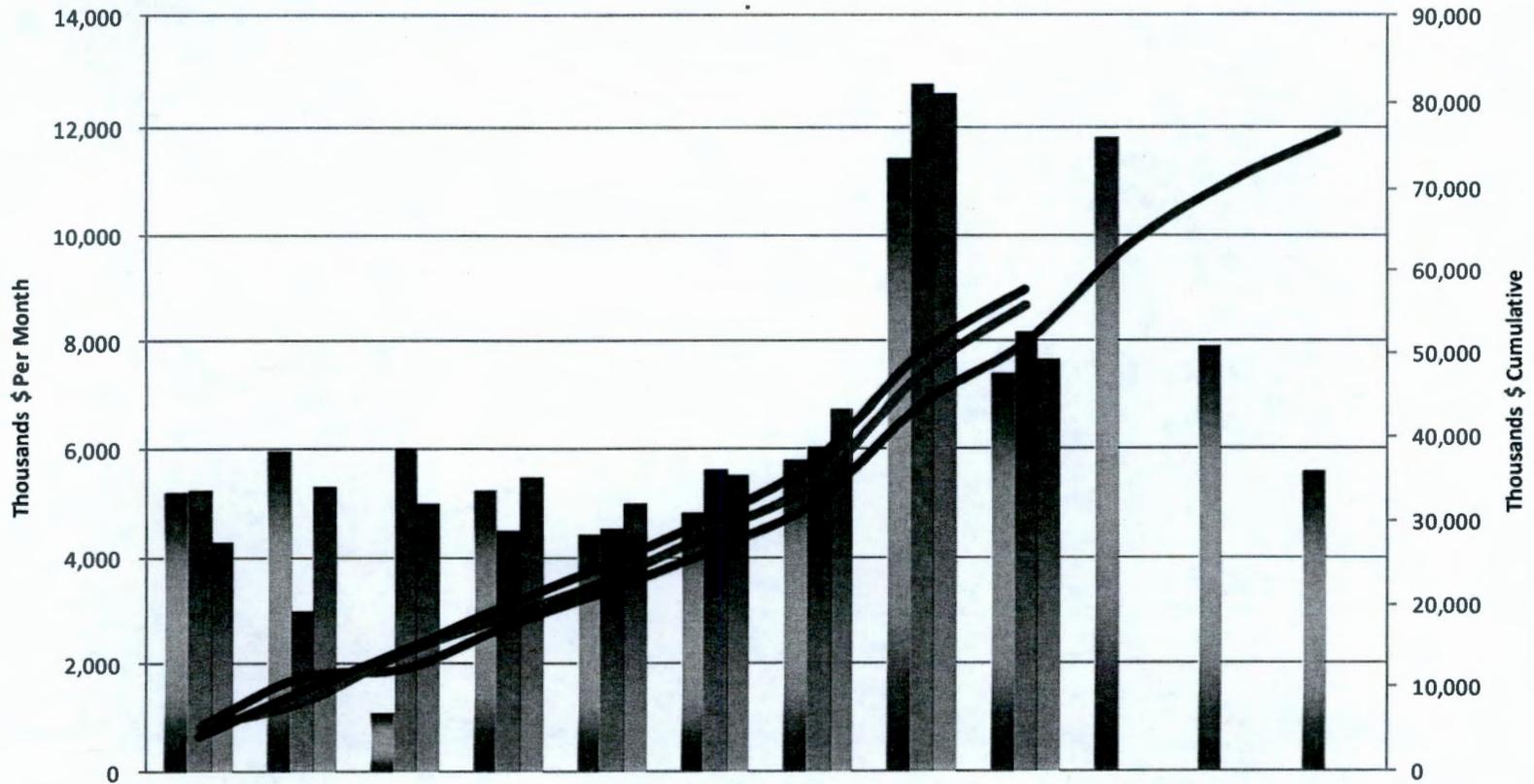
addition, the model review for the elevation 0' to +14' instrument service air (ISA) system was completed.

July activities for the Plant Equipment/Materials groups include: releasing a wall module, air vents, fan coil units, and master-slave manipulators for shipment; issuance of instrument data sheets for swirl flow meters and thermal flow meters; issuance of material requisition supplements for joggle fabrication; and reviewing and issuing control logic diagrams.

Construction forces placed a total of 507 cubic yards (CY) of concrete. Walls 2105/2106, wall 1135, and slab 1030 were completed in July. Construction achieved four of the five concrete placements planned for this period. One major accomplishment for the month was the installation of the 42-ton shield-door liner (frame) for the crane maintenance room in wall 2114 at the upper north end of the Filter Cave.

- At the -21' elevation, crews continued: installing structural steel and bracing in the southwest area; repairing grillage for installation of liner plate in the Wet Process Cell; installing non-radioactive liquid and offgas piping; installing ducting and applying coatings; installing cable trays and conduit; fabricating and installing HVAC ductwork and fire dampers; and aligning and installing bogie rails and supports in the Canister Storage Transfer Tunnel and Cask Handling Tunnel.
- At the +0' elevation, crews continued to: install slab and wall rebar, embeds, wall forms, decking, grillage, and commodities at various locations; patch and prepare concrete; install structural steel and supports at the east end; install cable tray and piping supports; and apply concrete and structural steel coatings in the west section of the facility.
- At the +14' elevation, crews continued to: erect structural steel; install wall and slab rebar; installing and stripping forms; and install commodities, embeds, joggles and forms for walls and slabs.

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



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	5,197	5,954	1,067	5,238	4,406	4,810	5,772	11,456	7,370	11,808	7,887	5,574
Monthly Perf (BCWP)	5,228	2,977	5,994	4,485	4,533	5,621	6,029	12,757	8,157			
Monthly Actuals (ACWP)	4,276	5,319	5,006	5,475	5,013	5,497	6,746	12,615	7,645			
BCWS (FY to Date)	5,197	11,152	12,219	17,457	21,863	26,673	32,444	43,900	51,270	63,078	70,965	76,539
BCWP (FY to Date)	5,228	8,205	14,199	18,683	23,217	28,838	34,867	47,624	55,780			
ACWP (FY to Date)	4,276	9,595	14,601	20,076	25,089	30,585	37,331	49,946	57,591			

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

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel containers that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 65%, design is 90%, and construction is 54%.

In the month of July, WTP Construction began installing six-inch shield doors for the planning area 6B import bay, working on buffer store crane in planning area 3F, installing shielded personnel access doors for the LAW container export handling (LEH) system, and load-testing pour cave monorails. Construction forces continued the following activities: Inspecting welds on finishing line in planning area 4A, installing buss ductwork for the low voltage electrical (LVE) system in planning area 11G, installing C3V system fans in planning area 13A, working on cranes 2, 11, 12, and 16, motor control centers in planning area 11G, and duct work, wall board, piping and hangers, and electrical conduit and trays in various areas. By month's end WTP Construction had completed rigging and setting the GFR system mixers on elevations +48' and +68', installing buss bar in planning area 2C, installing grillage and insulation in pourcaves 3C and 3D, performing successful load test on both monorails in pour cave 1, and working on motor control centers in planning area 12B.

Engineering commenced working on calculations to support the thermal catalytic oxidizer and exhausters, (procurement of the LAW thermal catalytic oxidizer (TCO) and off-gas exhausters is pending the results of the off-gas review). Engineering also issued two confirmed P&IDs for the high pressure steam (HPS) system, 13 confirmed piping and instrumentation diagrams (P&IDs) for the low pressure steam (LPS) system, confirmed calculations for the C5V system cooling, heating, and infiltration, and for the process service water (PSW), radioactive liquid waste disposal (RLD), breathing service air (BSA), and chilled water (CHW) systems. Calculations were also issued for; the steam condensate water (SCW) system, the mixed gases (MXG) and steam condensate water (SCW) systems.

Engineering also made significant progress with LAW offgas systems, issuing status code "1" seismic procedure for the LAW off-gas uninterruptible power supply (UPS) system, issuing the system description, three calculations, three control logic diagrams, and transferring nine cables to SetRoute for the LAW primary offgas process (LOP) system, and two control logic diagrams for the LAW secondary offgas/vessel vent process (LVP) system.

Control logic diagrams were also issued for the demineralized water (DIW) system and the high pressure steam (HPS) system. Eight instrument data sheets were issued for the stack discharge system and 26 piping isometrics were issued. Additionally, seven schematics/termination schedules were issued for the LAW container finishing handling (LFH) system.

IONEX (supplier of the carbon bed adsorber) has submitted a supplier deviation disposition request (SDDR) to the WTP project, along with a welding procedure addendum for review, to clear work restrictions associated with supplier corrective action reports (SCAR). The SDDR is in the final WTP signature process, and the addendum has been given status code "1." An additional SCAR has been issued, also carrying work and shipment restrictions. IONEX management met with BNI senior management on July 14, 2009, to review the corrective actions from the supplier corrective action reports. The WTP had a Supplier Quality representative at IONEX to help with a critique and corrective actions associated with five supplier corrective action reports (SCARs) for the carbon bed adsorber. IONEX is working diligently with WTP to overcome these SCARs. A new schedule will be prepared once the corrective action plan is finalized.

Procurement issued material requisition to purchase important-to-safety (ITS) DX split-system air conditioning unit and to purchase two pressure vessels (high alloy or clad) for the melter cooling system. Procurement also received 243 linear feet of piping and 4 engineered hangers, and released 36 flow balancing valves and the following major components of the container lid to ship (north finishing line): press, magazine, press parking stand, recovery tool parking stand, seal preparation tool, tool tray, and disposal bin.

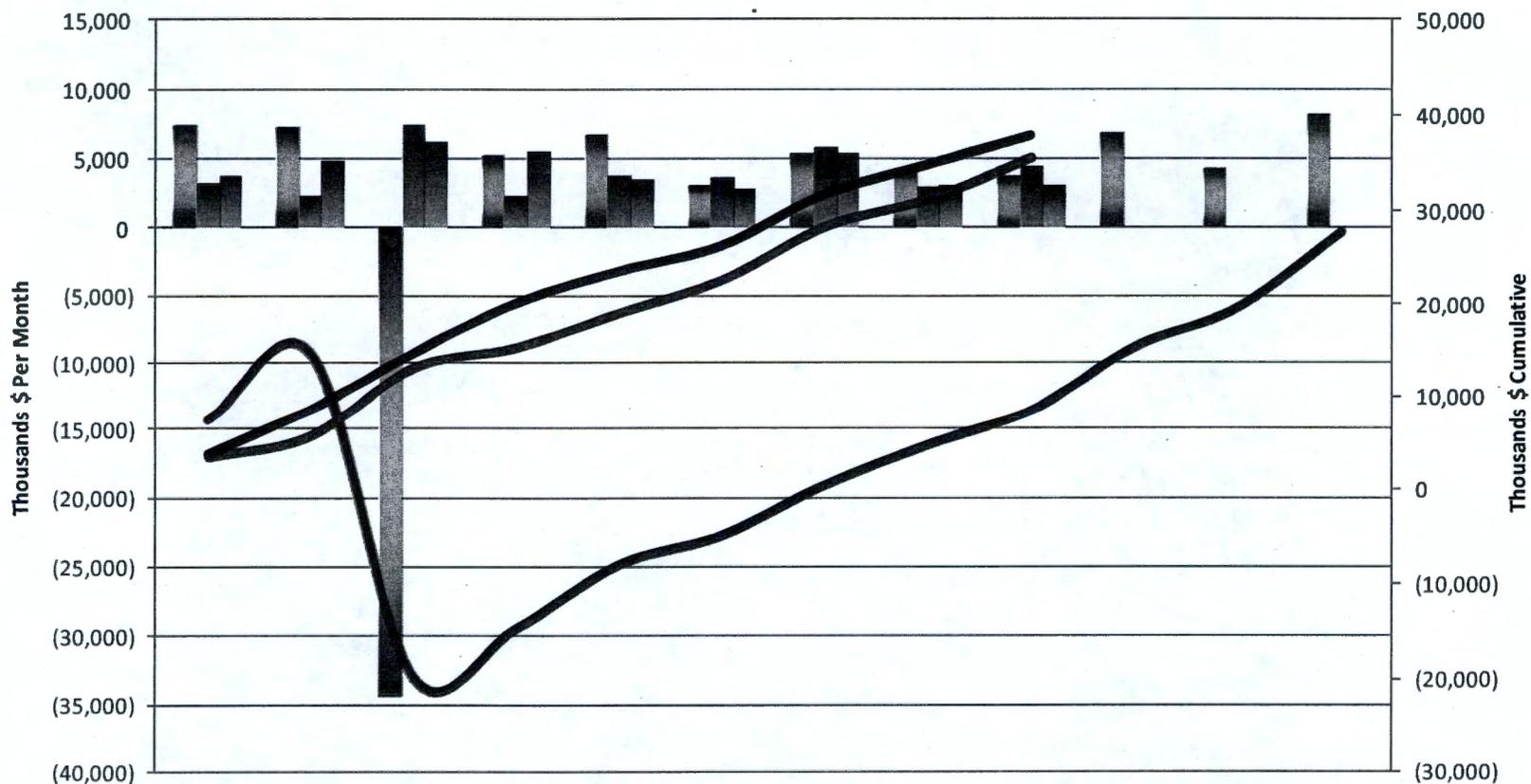
ORP has successfully worked with BNI to resolve the technical issues surrounding the LAW Offgas System. The chemical hazards and temperature issues appear to be resolved by modifying the system to be under vacuum from melter to the fan discharge, with the fans as the last in line component. Monitoring equipment that does not contain welded tubing will be enclosed in hoods. This will allow continuous access to all areas housing the offgas system, with the exception of the fan rooms. The fan rooms will remain under administrative controls for entry during normal operations.

ORP is also working with BNI to resolve technical issues for excessive heat retention in some Melter Pour Cave equipment. A high temperature condition has been calculated to occur in certain container handling equipment that could significantly reduce the yield stress of these

items. Calculations have been performed utilizing new experimental data concerning the material properties of the glass in conjunction with minor changes to design (removal of overpack insulation and removing material from the overpack and elevator to allow better radiant heat losses that may reduce or eliminate this potential problem. The data will be analyzed for equipment stresses by a sub contractor (Energy Solutions) and if a potential problem remains, potential design changes will be made to rectify the issue. Expected completion date is December 2009.

Additionally, ORP has worked with BNI on the resolution of temperature increases in the melter feed prep and melter feed vessels due to agitation. The increased temperature may have impacts on longevity of the vessels and associated downstream equipment as well as operation of downstream components (e.g. transfer pumps). Two options are currently being analyzed, impacts of allowing the increased temperature or installing cooling jackets to the installed tanks. Current ROM estimates indicate both are nearly equal in cost, and are now being analyzed for risk.

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



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	7,401	7,152	(34,410)	5,207	6,668	3,069	5,321	4,312	3,733	6,849	4,328	8,100
Monthly Perf (BCWP)	3,231	2,302	7,418	2,214	3,766	3,582	5,724	2,921	4,391			
Monthly Actuals (ACWP)	3,770	4,824	6,093	5,417	3,456	2,750	5,405	3,117	3,039			
BCWS (FY to Date)	7,401	14,552	(19,858)	(14,652)	(7,983)	(4,914)	407	4,718	8,451	15,300	19,628	27,728
BCWP (FY to Date)	3,231	5,533	12,950	15,164	18,931	22,512	28,236	31,157	35,549			
ACWP (FY to Date)	3,770	8,594	14,687	20,105	23,560	26,310	31,715	34,832	37,871			

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

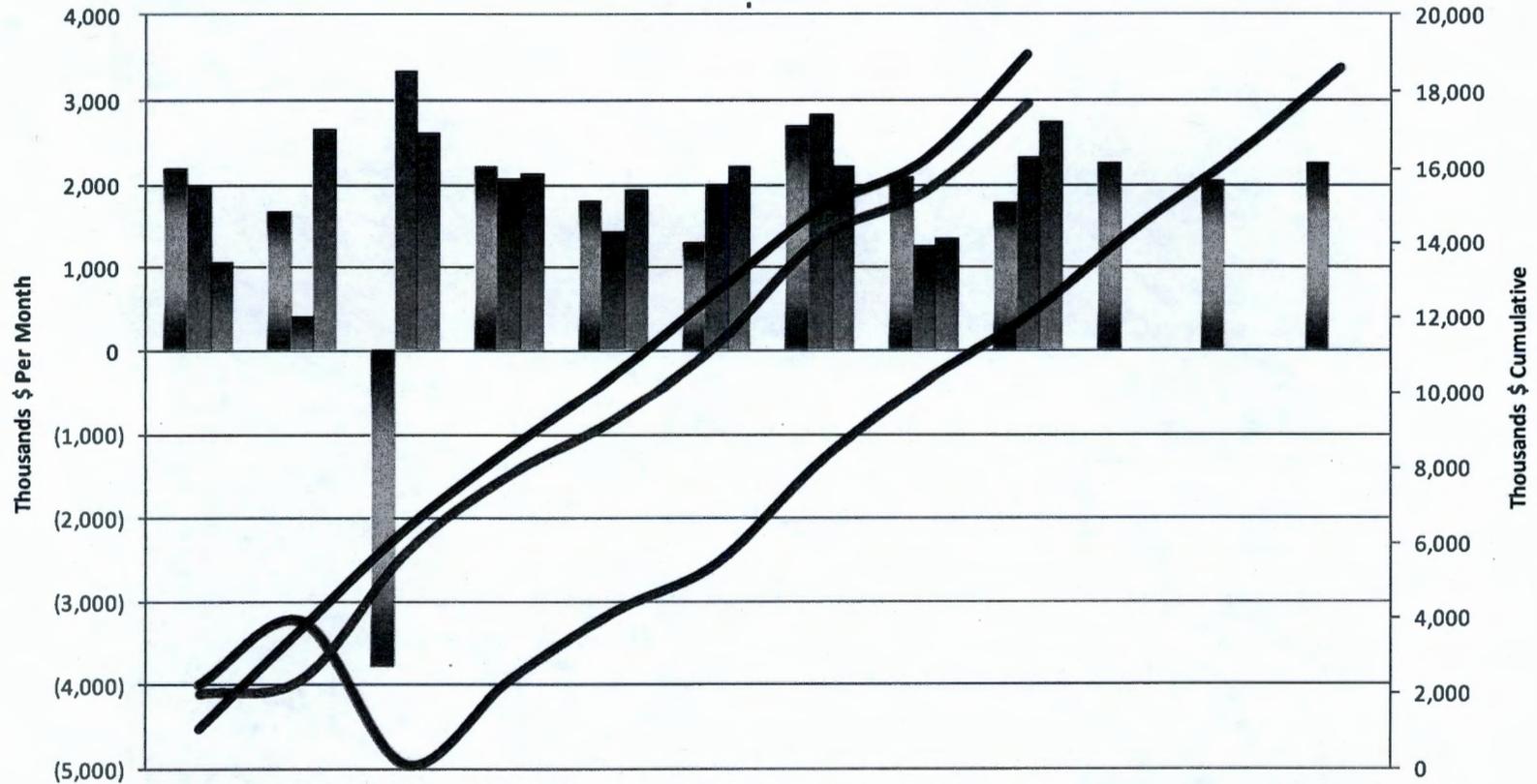
The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 45%, design is 77%, and construction is 52%.

During June, construction continued installation of scheduled conduit, piping and hangers, early electrical equipment, and partition walls. Major accomplishments include receipt of the C2V and C3V ventilation fans, installation of the Breathing Service Air skid, and installation of stairs on the north end of the hotcell. BNI commenced material procurement for the Autosampling System (ASX) fume hood.

Engineering issued 22 control logic diagrams for the C1V ventilation system and system descriptions for the Process Vent Air (PVA) and Analytical Radiological Laboratory (ARL) systems.

Premier Technologies continued their re-design of the hotcell waste transfer system. During Factory Acceptance Testing a design flaw was found related to the rail tolerances. Premier has submitted re-design drawings and calculations to BNI for approval. No additional issues have been discovered during the re-design effort. Delivery of the hotcell waste transfer system is still on schedule for the end of September 2009.

Analytical Laboratory - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	2,209	1,668	(3,784)	2,225	1,802	1,311	2,707	2,093	1,779	2,276	2,040	2,266
Monthly Perf (BCWP)	1,982	412	3,338	2,068	1,440	2,007	2,833	1,257	2,325			
Monthly Actuals (ACWP)	1,059	2,668	2,620	2,129	1,932	2,230	2,231	1,337	2,758			
BCWS (FY to Date)	2,209	3,878	94	2,319	4,120	5,431	8,138	10,231	12,010	14,286	16,326	18,591
BCWP (FY to Date)	1,982	2,394	5,732	7,800	9,240	11,248	14,081	15,338	17,663			
ACWP (FY to Date)	1,059	3,728	6,348	8,477	10,409	12,639	14,869	16,206	18,964			

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

BOF provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete for BOF is 50%, design/engineering is 75%, and construction is 54%.

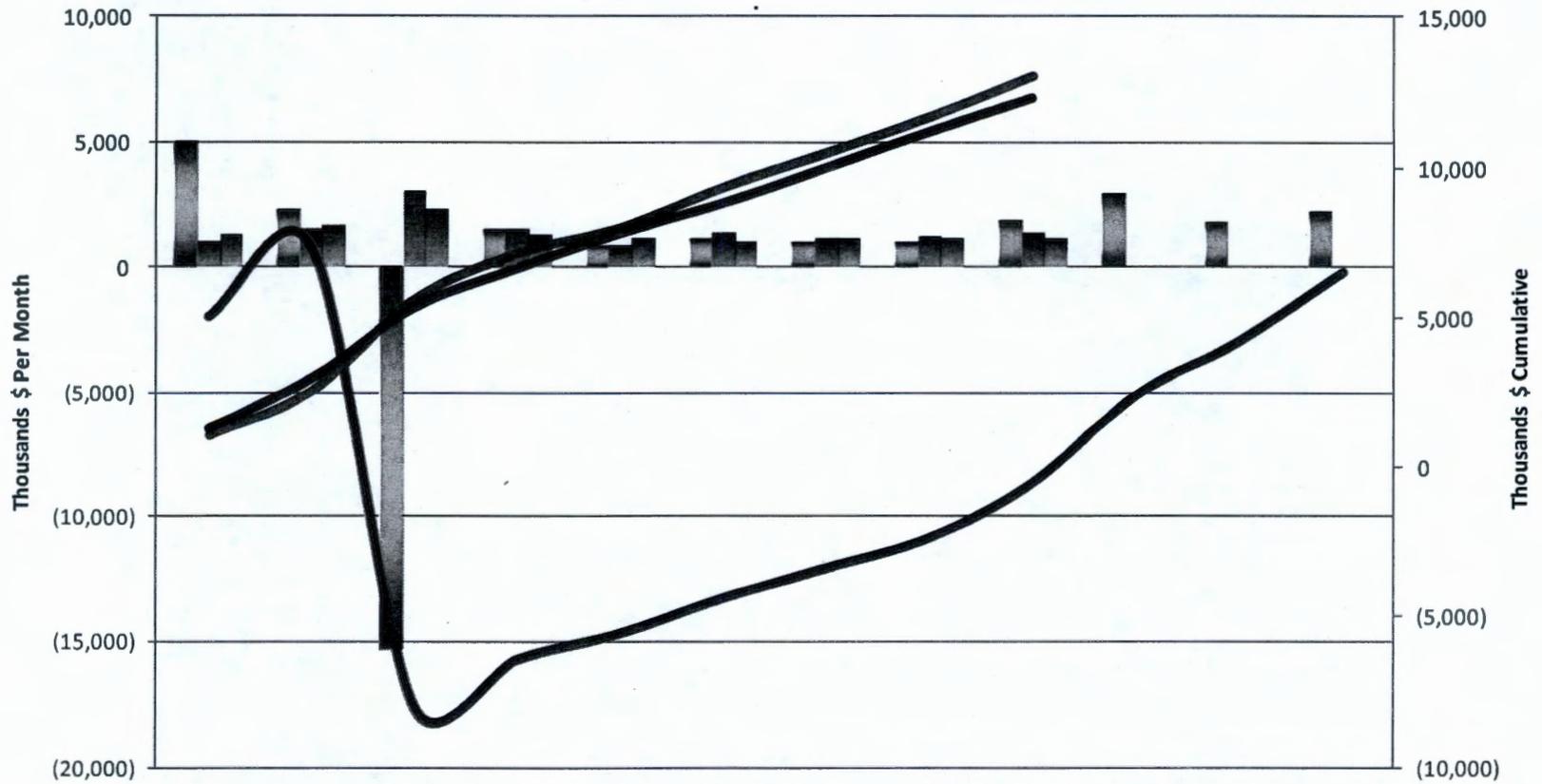
During June, construction continued: above ground tank piping installation and unscheduled conduit installation at the water treatment building; installation of drip shields in the switchgear building; and installing cable terminations for the chilled water system at the chiller compressor plant. Construction completed installing mechanical framework at the glass former storage facility (GFSF) and grouting structural steel columns for the GFSF.

Discussions are taking place with RL, BNI, ORP and Fluor concerning electrical load growth through the Interface Control process to define electrical load requirements and available power for the WTP site. ORP is also working with BNI to define the appropriate scope for the emergency diesel generators and their support systems prior to procurement. BNI is holding bi-weekly meetings to discuss the schedule and path forward on the emergency diesel generator procurement.

During July, BNI completed testing and final balancing of the Cathodic Protection System. BNI is currently reviewing the test results and expects to have the final package completed in August.

BNI continued excavations to determine the extent of condition for piping corrosion due the corrosion issues found of the PSA piping near the Pretreatment Facility. BNI has completed 6 of the 11 excavations. Once all 11 excavations are complete, BNI will propose a path forward to ORP.

Balance of Facilities - Fiscal Year To-Date Performance



	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Monthly Plan (BCWS)	5,028	2,328	(15,375)	1,546	870	1,176	992	1,026	1,854	2,950	1,816	2,279
Monthly Perf (BCWP)	1,037	1,512	3,022	1,535	866	1,362	1,121	1,195	1,353			
Monthly Actuals (ACWP)	1,264	1,697	2,331	1,318	1,167	1,017	1,162	1,188	1,127			
BCWS (FY to Date)	5,028	7,355	(8,020)	(6,474)	(5,604)	(4,428)	(3,435)	(2,409)	(555)	2,394	4,210	6,489
BCWP (FY to Date)	1,037	2,549	5,571	7,105	7,971	9,333	10,455	11,649	13,003			
ACWP (FY to Date)	1,264	2,961	5,292	6,610	7,777	8,794	9,956	11,145	12,271			

Waste Treatment Plant Project - Percent Complete Status									
Through June 2009									
(Dollars - Millions)	Overall Facility Percent Complete Allocated Dollars			Design/Engineering Unallocated Dollars			Construction Unallocated Dollars		
	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete	Budget at Completion (BAC)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities									
Low-Activity Waste	1,655.8	1,083.3	65%	205.1	184.0	90%	283.7	154.1	54%
Analytical Lab	619.3	277.4	45%	48.6	37.3	77%	78.3	40.9	52%
Balance of Facilities	984.5	496.6	50%	68.2	51.3	75%	214.6	115.8	54%
High-Level Waste	2,575.1	1,177.2	46%	313.0	249.9	80%	508.7	106.0	21%
Pretreatment	4,088.3	1,829.6	45%	569.9	423.4	74%	818.5	208.4	25%
Shared Services	incl. above	incl. above	incl. above	1,057.9	742.2	70%	1,348.4	823.8	61%
Undistributed Budget	7.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	9,930.9	4,864.1	49%	2,262.7	1,688.1	75%	3,252.2	1,449.0	45%

Source: WTP Contract Performance Report

Note: For this June 2009 report, the facility Construction percent complete values have decreased significantly, and a couple of Design/Engineering facility percent completes went down slightly. The decrease in values is tied to Phase I of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 is being moved to facilities as appropriate or to WBS 1.90, Shared Services. This has resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values.

WTP Project - KEY COMMODITY QUANTITY PROGRESS				
Commodity	Unit of Measure	Current Forecast at Completion Quantity	Installed through June 2009	Percent Complete
Concrete	1000 cy	262.30	187.25	71.4%
Structural Steel	1 ton	39,627	13,839	34.9%
Piping (in buildings)	1000 lf	920.83	155.13	16.8%
Piping (underground)	1000 lf	116.01	95.50	82.3%
HVAC Duct	1000 lbs	4,310.17	970.57	22.5%
Cable Tray	1000 lf	98.43	19.99	20.3%
Conduit (in buildings)	1000 lf	999.90	103.46	10.3%
Conduit (underground)	1000 lf	193.11	176.16	91.2%
Cable and Wire	1000 lf	4,931.88	248.37	5.0%