

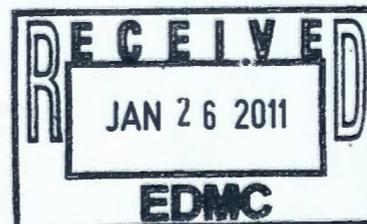
ORP Project Managers Meeting
 October 26, 2010
 2440 Stevens Ctr.
 Richland, Washington
Meeting Minutes Transmittal

Distribution:

W. Abdul	ORP	H6-60
S. L. Charboneau	ORP	H6-60
F. B. Hidden	ORP	H6-60
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R. W. Lober	ORP	H6-60
J. J. Lynch	ORP	H6-60
D. L. Noyes	ORP	H6-60
G. B. Olsen	ORP	H6-60
R. W. Russell	ORP	H6-60
S. C. Stubblebine	ORP	H6-60
W. J. Taylor	ORP	H6-60
G. D. Trenchard	ORP	H6-60
J. S. Trent	ORP	H6-60
J.D. Young	ORP	H6-60
D. Becker	Ecology	H0-57
R.K. Biyani	Ecology	H0-57
T.Z. Gao	Ecology	H0-57
J. J. Lyon	Ecology	H0-57
J. D. McDonald	Ecology	H0-57
D.W. Mears	Ecology	H0-57
J. Price	Ecology	H0-57
F. Beranek	WRPS	R2-50
H.M. Bowers	WRPS	R1-51
J.W. Donnelly	WRPS	R1-51
J. J. Luke	WRPS	R1-51
P. E. Peistrup	WRPS	R1-51
S. L. Moore	MSA	H7-28
R. E. Piippo	MSA	H7-28
J. F. Ollero	MSA	H7-28

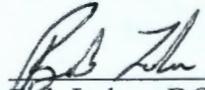
ADMINISTRATIVE RECORD – Heather Childers: H6-08

Please send comments on distribution list to Woody Russell (Woody_Russell@orp.doe.gov).

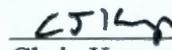


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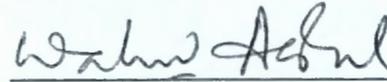
The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.



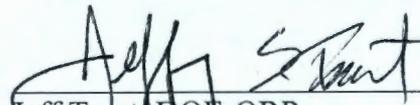
Bob Lober, DOE-ORP Date: 1-24-11



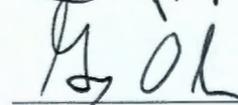
Chris Kemp, DOE-ORP Date: 12-28-10



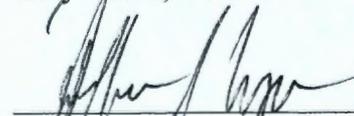
Wahed Abdul, DOE-ORP Date: 1/25/11



Jeff Trent, DOE-ORP Date: 1/25/2011



Gary Olsen, DOE-ORP Date: 1/25/11



J. Ilyen, Project Manager,
Washington State Department of Ecology Date: 12-28-10



J.D. McDonald. Project Manager,
Washington State Department of Ecology Date: 1-24-11

Purpose: ORP Project Managers Meeting

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1.0 Administrative Items

Previous meeting minute's approval: The September 27/28, 2010, Project Managers Meeting (PMM) minutes were approved.

Consent Decree (CD) Approval Implementation Status: The CD was approved and entered to the Court on October 25, 2010. The format for the Project Summary for the monthly PMMs and the TPA Quarterly Milestone Review meetings is being revised. This report will be sent to the State of Oregon at the same time it is sent to Ecology, which meets a requirement in the CD. There is also a CD requirement for a semi-annual Project Summary report to be sent to Ecology and the State of Oregon, which will be the same format, but revised to address the previous six months and the next six months activities. ORP submitted this new format to Ecology on October 14, 2010, and requested they review the new format and provide input.

Action Items will be addressed at the end of each portion of the report. Attachment A is the current remaining open actions. Closed actions will be carried until the next monthly meeting.

The list of attendees for the October 26, 2010, PMM is provided as Attachment B. The monthly milestone review meeting status report and handouts are provided as Attachment C.

The next PMM is scheduled for December 28, 2010. The Quarterly Milestone Review meeting is scheduled for November 18, 2010.

Administrative Record Items (Attachment D)

The following documents were identified to be entered into the Administrative Record: The September 2010 PMM minutes; October 19, 2010 meeting minutes to define design concept for SX Farm interim surface barriers; Ecology's October 21, 2010 letter to DOE-ORP regarding tank S-102.

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2.0 Review of the ORP Project Summary (Attachment C, Project Summary/Handouts)

Tank Farms

M-45-56F: A meeting was held with Ecology on October 19, 2010 to discuss updated activities for interim measures. The S/SX interim barrier concept definitions and follow-on work was discussed. The meeting minutes were presented to Ecology and signed today. This milestone is considered closed.

M-45-58: Ecology had previously requested an extension to address ORP's response to the Phase 2 CMS Master Work Plan until October 29, 2010. ORP acknowledged the extension and acknowledged Ecology's request to extend this for two more weeks.

M-45-60: Monthly meetings are under way to identify future changes to the Phase 2 WMA-C work plan. The changes will be based on information obtained from the investigation process. Regarding EPA involvement in the monthly meetings, Ecology stated that EPA was contacted during the last PA meeting. Ecology reported that EPA expressed a concern with the nature and extent of the work plan; otherwise, EPA had no specific comments. Ecology will continue to be the liaison with EPA regarding the monthly meetings and the work plan, and ORP will continue to check with Ecology, through the PMMs, on the status with EPA. Ecology stated its intent to write a letter to EPA Region 10 to ensure EPA's involvement and to provide more formality to Ecology and ORP's effort to include EPA in the process (Action 100-206). A draft of the letter will be provided to ORP for its input.

Significant Accomplishments:

- The analysis of the 3D SGE survey of the southeast portion of S Farm was completed, and the documentation will be released at the end of this week. There were resistivity anomalies noted southeast of S Farm. ORP stated that the resistivity anomalies appear to confirm what was observed in the direct push, i.e., limited interference to the north, with some very confined areas around the catch tank and diversion box.
- ORP stated that meetings have been held on the C-101 leak assessment to support retrieval deployment and leak detection. Meeting minutes were generated from the October 7, 2010 meeting, which established some different protocols for leak detection monitoring and mitigation (LDMM) and retrieval. Ecology inquired about a time frame to do pushes around C-101. ORP did not have a time frame to report. Further discussion on C-101 will be held today under M-45-00.

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ORP stated that four direct pushes are planned for mid-November 2010 in UPR-82, and the logging is being done today. The SGE work is about 90 days after the direct push and the electrodes are in. Results from the electrode performance is showing that some optimization timing can be done when it becomes operational, so work under UPR-82 could be accelerated. The lines will probably start the SGE work in BY Farm this Thursday. Ecology requested bringing that information forward for the work plan since one of the ideas was to test the SGE at a different farm and allow optimization within C Farm. ORP will carry Ecology's request as an action to the work plan meeting scheduled for tomorrow (10/27/10) (Action 100-207).

Significant Planned Actions in the Next Six Months:

- Ecology inquired about the status of the RCRA/CERCLA integration white paper (last bullet on handout). ORP stated that drafts of the white paper have been worked with Ecology. A final version of the white paper was received from WRPS, and based on yesterday's approval of the CD, the white paper will be submitted as part of TPA milestone M-045-80. ORP stated that the C-301 retrieval engineering evaluation is final, and the tank removal study is still in draft. Ecology asked if there was a time line for the Waste Incidental to Reprocessing (WIR) determination process description. ORP responded that there is not a start/stop time line, but there is a duration for the steps in the process description. ORP stated its intent to start submitting M-045-80 ahead of the 1/30/11 milestone date.

M-45-00 Milestone Series:

This series of milestones will be superseded by the new CD milestones. ORP initiated a discussion regarding the C-101 leak evaluation summary from the meeting on October 7, 2010, which was held with Ecology and WRPS. The meeting minutes state that a revision will be made to RPP-22520, which is the C-101 and C-105 tank waste retrieval work plan (TWRWP). The revision is to accommodate modified sluicing at tank C-101, contingent upon two direct pushes that will be installed near C-101 per RPP-39114. Sluicing in the tank will be limited to below approximately 54 inches in total waste depth during all retrieval activities. Ecology stated that with the direct pushes and monitoring wells, adequate coverage for high resolution resistivity (HRR) needs to be ensured. ORP responded that the primary leak detection, no matter what the method is, will be electro-resistivity, and that Ecology has indicated that is their position. The meeting minutes were given to Ecology for review and signature.

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Significant Accomplishments:

- Retrieval in tank C-111 has been initiated. There have been 57,000 gallons retrieved. The hot water is being recirculated because of the hard crust in the tank, but it does not appear to be affecting the crust. WRPS has reported to ORP that there are about 37,000 gallons of waste left in the tank, which would infer that some of the waste underneath the crust has been retrieved. ORP has not evaluated WRPS's information, and it is considered preliminary. Ecology asked if the hot water recirculation will be continued if it is determined that sludge is being moved. ORP responded that the latest information is that the hot water is not effective, and some of the waste was removed using the supernatant. ORP noted that the water has been in the tank and soaking the hard heel for three weeks, and a discussion is needed to determine whether a longer period is needed for the water to soak and if it would add any value.

Ecology asked how the retrieval schedule is performing to the plan, and if the retrieval schedule is within the bounds of the assumptions that were made when planning for the system plan was done. ORP responded that retrieval of tank C-111 has not gone according to the planning due to the hard heel crust. It was originally envisioned that retrieval would be completed by the end of September 2010. ORP deferred to the representative for the tank waste system plan, who was not present, and will forward Ecology's question regarding the assumptions. Ecology requested a discussion at the PMMs on retrieval performance and whether it's following the schedule and complying with the system plan. (See discussion below on C-Farm life-cycle baseline).

C-Farm Life-Cycle Baseline:

ORP provided the C-Farm retrieval chart, which reflects the baseline schedule. The retrieval pump has been installed in Tank C-104, and it is believed that it is sitting on top of an old heel jet pump that was broken off during removal. An articulated arm has been developed to remove the obstruction, and it is planned to be installed in February 2011. Once the obstruction is removed, the retrieval pump can be placed on the bottom of the tank and retrieval can be initiated. Completion of retrieval in C-111 was planned for FY 10. Design on C-112 is slightly behind, but procurement and construction are on schedule. A new TWRWP will be submitted for tank C-101, which will encompass a modified sluicing system. Tanks C-105, C-108, C-107, C-109 and C-102 are tracking to schedule.

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SST Retrieval Sequence Document

With the CD being entered in the Court, these milestones will be replaced by the larger scope of the system plan.

Tank Retrievals with Individual Milestones

Tank 241-S-102 - ORP stated that a proposed change package to address S-102 is in ORP review. Ecology suggested discussing the replacement of S-102 with another tank during the biweekly meetings.

Tank 241-S-112 - ORP proposed meeting with Ecology to discuss the value of a component closure plan and Ecology agreed.

Interim Stabilization Consent Decree:

ORP stated that Ecology's October 21, 2010 letter was received, and a response is being prepared. With approval of the Consent Decree entered in the Court yesterday, the evaluation report will be submitted with ORP's response to Ecology's letter. The quarterly interim stabilization report is being prepared for release to Ecology. ORP stated that there should be one more quarterly report prepared and released stating that interim stabilization is closed out.

In Tank Characterization and Summary:

Ecology inquired about performance criteria tracking for the 222-S Laboratory, such as evaluation of turnaround times and hold times. Ecology noted a concern with the lab's performance, and requested a review of the reports. ORP will provide the 222-S lab performance information to Ecology (Action 100-208). Ecology suggested tracking the lab's performance reports at the PMMs.

242-A Evaporator Status:

ORP reported that one large Evaporator campaign, comprised of two smaller combined campaigns, was completed. Campaign 10-01 resulted in 299,000 gallons of waste volume reduction, and campaign 10-02 resulted in 224,000 gallons of waste volume reduction. Those are values before flushing, and after a final flushing the numbers will be slightly reduced. For the next two years, one campaign a year is planned, which will provide time

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for continuing facility upgrades. Starting in 2015-2016, the number of campaigns will increase. It was noted that non-use of the Evaporator has resulted in component failures, such as steam traps. However, starting about four years ago, more focus was directed to maintenance of the Evaporator, which has been continued by the current contractor. ORP will provide Ecology a schedule of the 242-A Evaporator upgrades (Action 100-209).

M-62-40, Tank Waste System Plan:

The tank waste system plan rep was not available; however, Ecology noted that a meeting is scheduled this afternoon, and an update is anticipated at that time.

FY 2010 ORP TPA Cost & Schedule Performance

ORP reported that the schedule performance indicator (SPI) and cost performance indicator (CPI) for the current month (August 2010) and fiscal year-to-date are reflecting no issues. The SPI and CPI for contract-to-date are behind, mostly due to Recovery Act (RA) work, but a majority of those projects were completed by the end of September 2010.

Ecology requested a report on the consolidation pilot-scale test for the white film evaporator (WFE), and ORP will provide the report (Action 100-210). Ecology asked about the commonality between the waste compatibility program and the cone penetrometer. ORP explained that those two projects don't have anything in common, but are reported within the same contract line number (CLN). Ecology asked for information on the cone penetrometer, which ORP will provide (Action 100-211).

Milestones M-47-00, M-62-00, M-90-00:

ORP reported no change in the status of these milestones.

TPA Milestone Statistics:

There was no update provided for milestone statistics. ORP handed out a key document list and there was considerable discussion of what documents should be included on the list (closes Action 100-167).

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Waste Treatment Plant

ORP reported that answers to the 23 technical questions the Defense Nuclear Facilities Safety Board (DNFSB) posed to DOE-ORP have been answered, and the Board has taken no further action at this point.

The Construction Project Review (CPR) meeting is scheduled for November 2-4, 2010. ORP stated that an Ecology representative will attend the in-briefing and out-briefing, as previously agreed to.

Pretreatment Facility

ORP reported that the critical path are vessels UFP-1A and 1B, HLP-27A and 27B. Vessels HLP-22 and HLP-28 are near critical path.

Benchmarking the Low Order Accumulation Model (LOAM) for application to the non-Newtonian vessel is still scheduled for November 2010, and should be completed in early December 2010. ORP stated that the LOAM model is what was used to simulate accumulation or demonstrate non-accumulation of solids in the bottom of the vessels. The purpose of this scale test is to provide additional data to support the assumptions and scale factors of the LOAM modeling. The LOAM was presented on the record and discussed with the Defense Board. A schedule of activities to support large scale testing is being prepared for release in the next three to four months.

Ecology noted that the difference between Newtonian and non-Newtonian is significant, and asked how it will be ensured that non-Newtonian testing is being done and that the bounding is close to non-Newtonian. ORP explained that the non-Newtonian configuration testing will be done using Newtonian slurry, which BNI considers to be more conservative than non-Newtonian slurry. Once the large scale testing is done with the non-Newtonian slurry, it is believed there will be enough information to provide a confidence level to install the fabricated vessels. Ecology asked about the possibility of the testing not providing any greater confidence level. ORP responded that the LOAM testing is not intended to provide a confidence level of yes or no, but will provide more information to increase confidence in the model. The testing also may help target the large scale testing as a confirmation phase.

Ecology asked about power used for the mixing in the non-Newtonian. ORP stated that the non-Newtonian power and pulse jet mixer (PJM) is a scaled model of the non-Newtonian PJMs. Ecology asked about the consultants' opinion regarding the testing. ORP stated that during a discussion with the Defense Board, the consultants

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expressed a higher level of confidence than some of ORP's staff.

Ecology expressed appreciation for receipt of the closure packages for the vessels, and requested supporting documentation to the packages. ORP noted that there are several related documents, and they are available on docsearch. ORP will assist Ecology in locating a document, if needed. ORP also noted that the 200-page writeup in answer to the Defense Board's questions contains information related to the closure.

Installation of the crane rail is going well. The large crane for the hot cell is being set up and is anticipated to be installed this December. There will be two cranes in the hot cell, a permanent 20-ton main crane and a five-ton maintenance crane. Both cranes will use the same rail. Two construction cranes will also be installed to move things in the hot cell.

In response to a discussion during last month's PMM regarding a discrepancy in the overall facility percent complete numbers, ORP provided a one-page chart depicting the old method, which allocated shared services, and the new method that does not allocate shared services. ORP provided a brief explanation, noting that design, engineering and construction were always unallocated, so their numbers didn't change under the new method. ORP stated that shared services' scope of work is about four billion dollars, and a federal project manager has been assigned to the project to increase awareness, oversight and management for that scope of work.

High Level Waste

The filter cave buildout continues to be critical path. The review of the HEPA filter housing seismic analysis is still being worked; however, it is believed there will not be any impact to fabrication. Material procurement is under way, and fabrication will be initiated early next month on the first of the housings. There has been some slip in schedule during the engineering portion of this process, but ORP is confident that slip will be made up during the fabrication phase. ORP is working closely with the vendors to ensure they will be able to supply piping and materials to the filter cave in support of the filter cave buildout. Ecology asked if the final seismic analysis will be completed by the end of December 2010. ORP responded that the seismic analysis has been completed, and it is undergoing Bechtel review, so there is no problem anticipated.

A major accomplishment was achieved with delivery and placement of two of the large interim melter shield doors, as well as delivery and placement of the slightly smaller outer doors.

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The focus this year is shifting to an emphasis on vessel completion and delivery. With the seismic change in direction, close attention is being directed to the analysis and fabrication process. Construction on the filter cave is on track with the accelerated plan. ORP is looking at an aggressive wall and slab placement in November 2010, with up to 1,500 cubic yards of concrete. ORP noted that some of the concrete walls are considered very complex.

The Request for Equitable Adjustment (REA) from Oregon Ironworks for the shield doors drove the cost performance down for the month. A positive cost variance was realized with another REA for some improved rates with craft labor. The cost performance is expected to level out in the next few months.

Low Activity Waste Facility (LAW)

The target for mechanical systems design complete is November 2011, which represents a reduction in design risk since it combines many of the major vendor procurements with Bechtel design.

The melters are planned for shipment from Ogden, Utah on November 1, 2010. The truck will travel through Utah, Idaho and Oregon into Washington.

ORP reported that the cost performance has not been acceptable, due to plant equipment, the melters, and the automatic sampling system (ASX). The melters cost more due to design changes, and it is just now hitting the accounting books. ORP stated that there will be a couple more hits with the melters, and the ASX will continue because it is a cost-plus subcontract. All of the ASX equipment is targeted for receipt by the end of December 2010, which will help with the cost performance.

Analytical Laboratory (LAB)

LAB is doing well, and there are no significant challenges ahead. From a procurement standpoint, a significant milestone was achieved with receipt of all the major ASX components: the two hot cell receipt stations and two fume hoods for the radiological lab, and the receipt stations for LAW waste samples. The negative cost performance associated with the ASX will go away in a couple of months since the ASX equipment has been received.

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Balance of Facilities (BOF)

BOF performance is doing well. The schedule performance is slightly behind for the fiscal year, but there is a positive cost performance. Two major facilities in BOF are the emergency diesel generator (EDG) facility and the wet chemical storage facility. A bid has been received for the EDGs, and it is under review. ORP noted that there continue to be budget challenges associated with the EDGs. The EDG has about 280 days of float in the schedule.

A baseline change proposal is under way to conduct the operational readiness reviews (ORR) in a sequential manner. ORP stated that discussion in the near future will need to take place regarding turnover of facilities. The first turnover of a major portion of the facility is the switch gear building, which provides power, and it is scheduled in 2012. Ecology noted that as the facilities move forward, the transition from design requirements to operational requirements, in terms of permit conditions, will need to be tracked very closely so that information can be collected for developing permits. There was a brief discussion regarding what event would trigger permitting space from construction to operation, and the Tri-Parties recognized that discussions are needed to determine how that is accomplished.

3.0 Agreements

There were no major agreements established.

4.0 Upcoming Meetings

The next PMM is scheduled for December 28, 2010. The Quarterly Milestone Review meeting is scheduled for November 18, 2010.

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Attachment A: Action Tracking
(3 pages including this cover sheet)

**ORP Action Items
10-26-10 PMM**

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-167	ORP	W. Russell	General	Develop spreadsheet of document deliverables, scheduling tool of when due, status of Ecology review	3-23-10	9-27-10: ORP will check on this list and respond back to Ecology with status.
O	100-176	ORP	C. Kemp	Tank Farms	Within 30 days after the CD is signed, set up a meeting to discuss the M-45-15A-D and M-45-13A-D milestone path forward.	4-27-10	M-45-05A and M-45-03A will be removed by CD. M-45-15 and M-45-13 will remain in CD.
O	100-177	ORP	J. Long	Tank Farms	Provide Ecology with the WRPS evaluation report on S-102.	4-27-10	Remains open, is related to CD.
O	100-178	ORP	J. Long	Tank Farms	Once the report from Action 100-177 is received, schedule a meeting with Ecology.	4-27-10	Pending proposed CD.
O	100-189	ORP	C. Kemp	Tank Farms	Provide Ecology a briefing on the Critical Path for A-AX Farms	5-20-10	9-10-10: Can provide after the Budget Change Request has been approved by ORP. This meeting is scheduled for 9/20/10 with Stacy Charboneau
O	100-190	ORP	T. Fletcher	Tank Farms	Provide an explanation to the Tribes of the process for the 242-A Evaporator Campaign and the MARS	5-20-10	9-27-10: A status update will be provided at the next PMM.
X	100-193	ORP	W. Russell	General	Schedule future PMMs on attendees Outlook calendars.	6-22-10	Closed: 10-6-10 Meetings scheduled through 4-26-2011.
X	100-194	ORP	R. Lober	Tank Farms	Set up meeting on Master Work Plan for M-45-55; also address M-45-58 issues.	6-22-10	Closed: 9-28-10 Master Work Plan issued 9-27-10; meetings scheduled.
X	100-195	ORP	R. Lober	Tank Farms	Set up meeting to discuss M-45-60 Work Plan disclaimer language.	6-22-10	Closed: 9-28-10 Had meeting on 9-22-10.

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
X	100-196	ORP	R. Lober	Tank Farms	Set up meeting on 3-D SGE survey proof-in-principle from C Farm. Include iodine tech issue.	6-22-10	Closed: 9-28-10 Meeting set up.
X	100-199	ORP	G. Trenchard	242-A Evap	Put this issue on agenda. Also move M-47/90/62 to before break on agenda.	6-22-10	Closed: 9-28-10 Project Summary for 7-27-10 approved at 9-28 PMM.
O	100-202	ORP	R. Lober	Tank Farms	Schedule meeting with Ecology to discuss ongoing work in SX design	9-27-10	
O	100-203	ORP	C. Kemp	Tank Farms	Provide Ecology a date to review the revised ORP Project Summary format.	9-27-10	
O	100-204	ORP/ WRPS	C. Kemp/ J. Luke	Tank Farms	Provide hard heel dissolution DQO to Ecology.	9-27-10	Note: The DQO is scheduled for Dec. 2010.
O	100-205	ORP/ WRPS	C. Kemp/ J. Luke	Tank Farms	Provide Ecology an updated schedule for the 242-A Evaporator.	9-27-10	

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Attachment B: List of Attendees

(3 pages including this coversheet)

ATTENDANCE LOG

DATE: October 26, 2010 PURPOSE: ORP Manager's Monthly Milestone Review Meeting

NAME	ORG.	PHONE #
ROB PIERRO	MSA	373-3285
JAMES LYNCH	ORP	376-4170
JOE CAGGIANO	ECOLOGY	372-7915
C.J. Kemp	ORP	373-0649
IAN McDONALD	Ecy	372-7988
GLYN TRENCHARD	ORP	373-4016
Robert Lobe	ORP	373-7949
JOHN LONG	ORP	376-5416
Jeff Lyon	Ecology	539-1996
Steve Kelly	WRPS	205-8269
Steve Pfaff	ORP	376-2188
Michelle Henderson	ECU	372-7970
Woody Russell	ORP	373-5227
Jeff Huie	WRPS	
Nancy Trzemblo	Ecology	372-7928
Mike Barnea	Ecology	372-7927
Jennifer Otero	MSA	373-0275
Jeremy Johnson	ORP	376-1866
Kathleen Higgins	ORP	376-3658
Sonya Moore	MSA	372-3320

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Attachment C: Presentation Materials

ORP TPA Project Summary and Handouts

(72 pages including this coversheet)

Office of River Protection

**Tri-Party Agreement
Monthly Milestone Review Meeting
October 26, 2010**



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

Agenda

Office of River Protection
Tri-Party Agreement
Monthly Milestone Review Meeting
October 26, 2010
9:00 a.m. – 12:00 p.m.

Page	Topic	Leads	Time
4	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:00
7	M-45-00, Complete Closure of All Single-Shell Tank Farms	Chris Kemp / Jeff Lyon	9:15
19	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:35
20	In Tank Characterization and Summary	John Long / Michael Barnes	9:40
22	242-A Evaporator Status	Glyn Trenchard/ Jeff Lyon	9:45
XX	M-62-40, Tank Waste System Plan	Ron Koll / Dan McDonald	9:50
23	FY 2010 ORP TPA Cost & Schedule Performance	Janet Diediker / Dan McDonald / Jeff Lyon	10:00
BREAK			
49	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Glyn Trenchard / Michelle Hendrickson	10:20
50	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Glyn Trenchard / Dan McDonald	10:25
51	M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Glyn Trenchard / Dan McDonald	10:30
29	TPA Milestone Statistics	Woody Russell / Dan McDonald / Jeff Lyon	10:40
53	WTP - Immobilization Plant Project M-62-20, M-62-01U, -01V, M-062-49, D-00A-17, D-00A-01	Wahed Abdul / Jeff Trent / Gary Olsen/ Dan McDonald	10:45
55	WTP Pretreatment (PT) Facility D-00A-18, -19, -13, -14, -15, 16	Wahed Abdul/Dan McDonald	10:55
58	High-Level Waste (HLW) Facility D-00A-20, -21, 02, 03	Jeff Trent/Dan McDonald	11:05
61	Low-Activity Waste (LAW) Facility D-00A-07, -08, -09	Gary Olsen/Dan McDonald	11:15
63	Analytical Laboratory D-00A-005	Gary Olsen/Dan McDonald	11:25
65	Balance of Facilities (BOF) D-00A-12	Gary Olsen/Dan McDonald	11:35

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: 07/31/10
Status: Meeting scheduled with Ecology on April 6, 2010 to discuss S/SX characterization results for potential barrier placement. Meeting minutes of proposed future barrier placement reviewed and signed with Ecology on May 10, 2010 and was submitted at May 2010 PMM. Ecology established a date of June 9, 2010 for M-45-56F annual meeting. ORP provided a draft agenda and meeting minutes were generated and submitted for review. A copy of the minutes was submitted for the administrative record at the July PMM.
- **M-45-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan**
Due: 12/31/08
Status: Complete. Master Work Plan is in the Primary document revision process. DOE provided comment resolutions to Ecology on 10/13/09. Ecology provided clarification to comments by letter on December 10, 2009. ORP provided updated Master Work Plan, based on January 6, 2010 Ecology meeting on proposed comment responses on March 11, 2010. Ecology provided conditional approval, but requested additional information in a letter dated June 2, 2010. ORP transmitted its response to Ecology on August 18, 2010. Ecology requested an extension for their review of ORPs response until October 29, 2010.
- **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. ORP updated RFI/CMS Workplan and Sampling and Analysis Plan based on Ecology comments and resubmitted to Ecology, with approved Ecology RCRs on November 2, 2009 (letter 09-TPD-118). Ecology approved the Work Plan on March 29, 2010 and requested meetings to discuss characterization schedule in WMA C. Follow on meeting with Ecology occurred on April 26, 2010. Meeting minutes were submitted at May 2010 PMM with attached characterization schedule. Ecology has requested submittal of an update to the plan including a revised schedule by July 31, 2010. The updated workplan and supporting change package was submitted at the July 2010 PMM. Ecology and ORP have met and reached agreement on the initial set of changes. These changes have been incorporated and the updated documents released. In addition, Ecology and ORP have established a process for regular meetings to identify and manage potential future changes to the document. Ecology noted they want to see EPA involvement in these future meetings.

- **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. Proposed milestone M-045-61 (HFFACO Change Control Form M-45-09-01) will revise the due date for this document to 12-31-2014.
- **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. Proposed milestone M-045-62 (HFFACO Change Control Form M-45-09-01) will revise the due date for this document to 6-30-2015.

II. Significant Accomplishments:

- T-Farm interim barrier monitoring continues; annual monitoring report issued.
- TY Interim Barrier construction has been completed.
- Continued direct push characterization in C Farm at various planned locations.
- 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.
- Completed data analysis of 3D SGE survey of URP-86 (WMA-C).
- Continued remedial technology assessments in support of a Corrective Measures Study for WMA C.
- Completed analysis of 3-D SGE survey of SE portion of S Farm.
- Completed analysis testing time-domain electromagnetic induction as a means of identifying locations of historical pipeline leaks.
- Continued direct push characterization of western 241-BY Farm in support of a potential barrier.
- Continued design activities for a surface barrier in 241-SX Farm.
- Processed the TPA change with the updates to the WMA C Workplan.
- Completed an interim barrier demonstration report as required by proposed TPA milestone M-045-90.

III. Significant Planned Actions in the Next Six Months:

- Continue direct push campaign in C Farm.
- Initiate SGE in C Farm near unplanned release site UPR-82.
- Initiate direct push campaign in BY Farm, east side, supporting Interim Barrier Design and Placement.
- Continue remedial technology assessments in support of a Corrective Measures Study for WMA C.
- Perform additional updates to WMA C RFI/CMS workplan based on requested changes from Ecology.
- Continue design of interim surface barrier for SX farm.
- Complete and transmit a RCRA/CERCLA integration white paper, a WIR determination process description, a catch tank C-301 retrieval engineering evaluation, and a tank removal study, as required by proposed TPA milestone M-045-80.

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. The draft consent decree has been modified to include changes to the dates for these milestones.
-

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

I. Deliverables

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

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

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

- Submittal of Tank Waste Retrieval Work Plans (TWRWP):
 - Tanks C-201, C-202, C-203, and C-204: Completed on April 8, 2004.
 - Two (2) 100-series tanks by July 31, 2004: Completed on July 29, 2004 (C-103 and C-109).
 - Four (4) 100-series tanks by 10/31/04: Completed on October 8, 2004 (C-102, C-104, C-107, C-108, and C-112).
 - Five (5) 100-series tanks by January 31, 2005: Completed on January 24, 2005 (C-101, C-105, C-110, and C-111).

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

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

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

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

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

- **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: Missed
- **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

- Initiated C-111 retrieval.
- Completed removal of equipment from C-107.
- Continued testing of a MARS sluice educator system at Columbia Energy in Pasco.
- Continued construction at the Columbia Test Center for testing of the MARS sluicing system.
- Completed procurement and testing of the modified Fold-Trak.
- Continued design activities for C-112 sluicing system.
- Completed fabrication of the hydraulic arm for C-104.
- Completed procurement and testing of Enhanced Reach Sluicing System prototype.
- Completed mock up testing of Single Shell Tank dome cut with high pressure water/garnet mix.

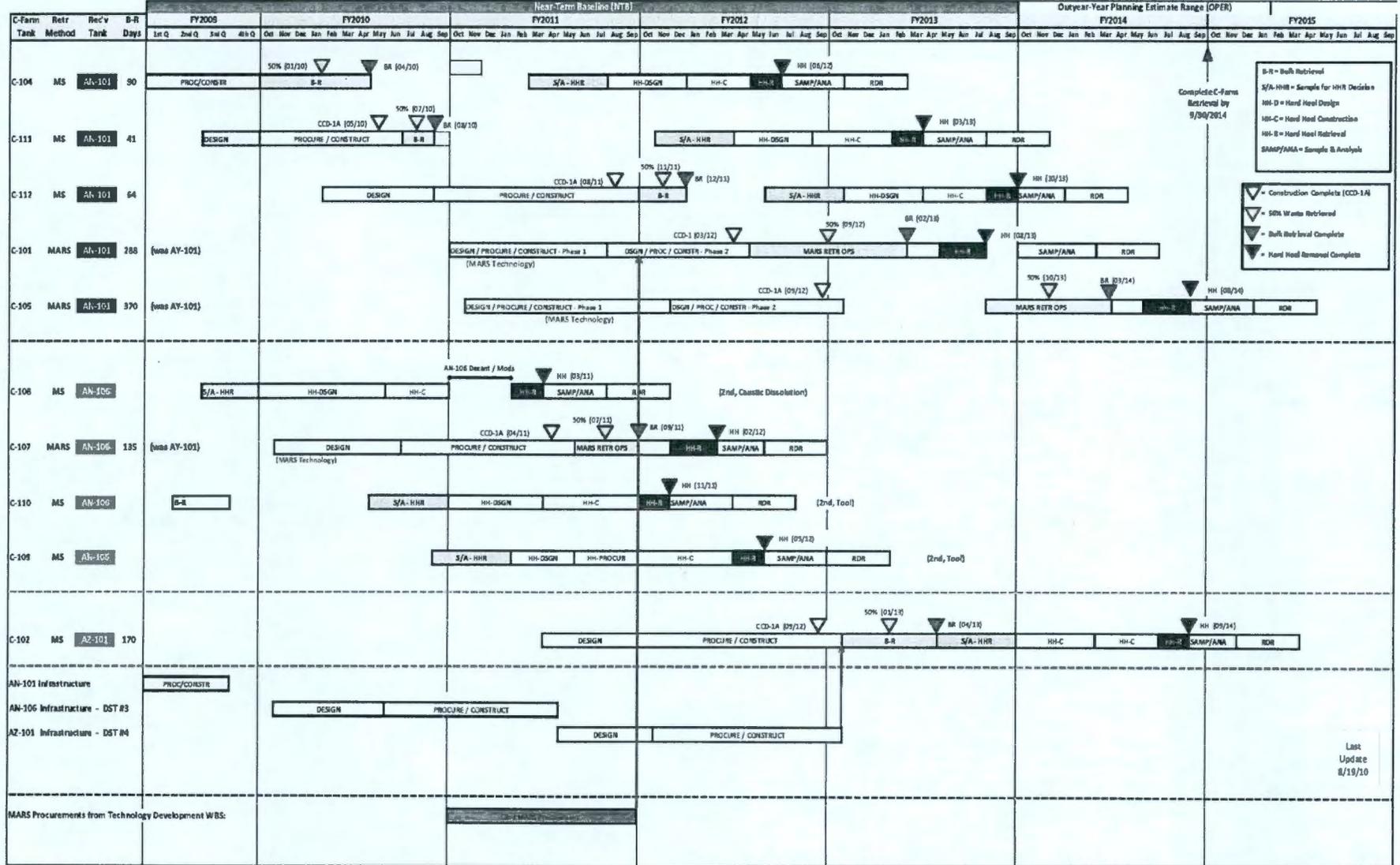
III. Significant Planned Activities in the Next Six Months

- Obtain C-109 heel samples
- Complete installation of the new large riser in C-107.
- Complete construction and acceptance testing of MARs with a sluicing end-effector for C-107 retrieval.
- Initiate construction of C-108 hard heel retrieval system, and start up of retrieval activities.
- Complete installation of new AN-101 supernatant pump.
- Complete C-112 design and initiate procurement.
- Install hydraulic arm into C-104 to aid removal of obstruction underneath slurry pump.
- Finish testing of the MARS with the vacuum educator.

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 will be completed sometime after December 11, 2009, when Ecology and DOE complete their disposition of public comments on the newly proposed Consent Decree.

CFarmRetrieval 9/24/2010 ReflectsBaselineSchedule(10/01/10)



Last Update 8/19/10

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: In Abeyance per AIP, see issues below.
- **M-45-02O-A, 3 Parties Shall Meet To Establish New Milestones Within 60 Days**
Due: 04/30/10
Status: In Abeyance per AIP
- **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: In negotiation. See discussion below under "Issues".

- **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: In negotiation. See discussion below under "Issues".
- **M-45-02Q, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/14
Status: In negotiation. See discussion below under "Issues".
- **M-45-02Q-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/14
Status: In negotiation. See discussion below under "Issues".
- **M-045-02R, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/16
Status: In negotiation. See discussion below under "Issues".
- **M-045-02R-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/16
Status: In negotiation. See discussion below under "Issues".
- **M-45-02S, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/18
Status: In negotiation. See discussion below under "Issues".
- **M-45-02S-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/18
Status: In negotiation. See discussion below under "Issues".

II. Issues

- The proposed TPA milestone, M-62-40, supersedes and provides an expanded set of information and data when compared to the requirements of the M-45-02 series milestones. To develop and submit the M-45-02O deliverable requires the same resources that are required to develop and submit the M-62-40 deliverable. In order to meet the proposed M-62-40 milestone due date, resources must be allocated to the development of the deliverable at this time, which would preclude the development of the M45-02O deliverable. On January 11, 2010, Ecology and ORP signed an Agreement In Principle stating the parties agree to hold milestone M-45-02O in abeyance pending disposition of TPA Change Form M-45-09-01(part of the Consent Decree package released for public comment on October 1, 2009). The M-45-09-01 Change Form proposes the creation of new milestone M-62-40.

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 the Spring or Summer of 2011.

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 81% complete.

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**
Due: 6/30/11
Status: At Risk. See discussion below under "Issues". 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: At risk. See discussion below under "Issues".
- **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: At risk. See discussion below under "Issues".
- **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: At risk. See discussion below under "Issues".
- **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: At risk.

II. Significant Accomplishments

None

III. Significant Planned Activities in the Next Six Months

None.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure. It is technically imprudent to attempt to accelerate retrieval of S-102, at this time, because of the rheological nature of the waste.

- In a letter dated August 15, 2006, Ecology stated that submittal of Component Closure Activity Plans, for retrieved tanks, should continue to be suspended until June 30, 2009, or within 120 days after the Final Tank Closure and Waste Management Environmental Impact Statement (TC&WM EIS) Record Of Decision (ROD) is issued, whichever is earlier. In a letter dated November 12, 2009, Ecology extended its suspension until 180 days after the issuance of the final TC&WM EIS. It is anticipated that the final TC&WM EIS will not be issued until the Spring or Summer of 2011. Submittal of the Closure Plan could not occur, then, until several months after the M-45-15 milestone is due.

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: At risk. See discussion below under "Issues". 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: At risk. See discussion below under "Issues".
- **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: At risk. See discussion below under "Issues".

II. Significant Accomplishments

- Ecology letter of January 7, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

III. Significant Planned Activities in the Next Six Months

None.

IV. Issues

- In a letter dated August 15, 2006, Ecology stated that submittal of Component Closure Activity Plans, for retrieved tanks, should continue to be suspended until June 30, 2009, or within 120 days after the Final Tank Closure and Waste Management Environmental Impact Statement (TC&WM EIS) Record Of Decision (ROD) is issued, whichever is earlier. In a letter dated November 12, 2009, Ecology extended its suspension until 180 days after the issuance of the final TC&WM EIS. It is anticipated that the final TC&WM EIS will not be issued until the Spring or Summer of 2011. Submittal of the Closure Plan could not occur, then, until several months after the M-45-15 milestone is due.

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 is 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 review of the January 25, 2010, video of the tank has shown approximately 2,400 gallons of supernatant liquid remaining. This is below the criteria for interim stabilization of less than 5000 gallons supernatant liquid.

II. Significant Accomplishments:

None.

III. Significant Planned Actions in the Next 6 Months:

Prepare and submit formal documentation that S-102 is interim stabilized.

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 September 1 – September 30, 2010:

I. Accomplishments:

- Completed off riser sampling of Tank 241-C-110 on September 12, 2010.
- Completed liquid and solid sampling of Tank 241-A-350 on September 29, 2010.
- Completed revision 10 of RPP-7625, *Guidelines for Updating Best-Basis Inventory*, on September 15, 2010.
- Completed revision 1 of RPP-RPT-46792, *Derivation of Best-Basis Inventory for Tank 241-AW-102*, on September 1, 2010.
- Completed revision 1 of RPP-RPT-46616, *Derivation of Best-Basis Inventory for Tank 241-C-104*, on September 2, 2010.
- Completed revision 4 of RPP-RPT-43979, *Derivation of Best-Basis Inventory for Tank 241-AY-101*, on September 2, 2010.
- Completed revision 2 of RPP-RPT-44814, *Derivation of Best-Basis Inventory for Tank 241-AN-101*, on September 23, 2010.

II. Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-C-109 off riser sampling scheduled for December 2010.
 - Tank 241-AN-101 corrosion mitigation grab samples scheduled for February 2011.
 - Tank 241-AN-102 corrosion mitigation grab samples scheduled for January 2011.
 - Tank 241-C-111 off riser sampling scheduled for May 2011.
 - Tank 241-C-104 off riser sampling scheduled for May 2011.
- BBI Updates
 - Nine tank updates are scheduled for FY11 Quarter 1.
 - Updates for three of the nine tanks have been started.
- Data Quality Objectives (DQO)
 - Complete revision 11 of the Chemistry Control DQO in October 2010.
 - Complete revision 18 of the Compatibility DQO in November 2010.
 - Complete revision 3 of the PCB Management DQO in November 2010.
 - Complete revision 0 of the Hard Heel Dissolution DQO in December 2010.
 - Complete revision 0 of the Tank 241-C-108 Post Retrieval DQO in December 2010.

III. Issues:

None

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

242-A Campaign strategy:

- FY10. 1 campaign using AW-106 as the feed and slurry tank. This waste requires 1 pass to achieve forecast waste volume reduction.
- FY11. 2 campaigns with feed from AW-106 and AP-107. Slurry tanks will be AW-106, and AP-104/AP-107, respectively. NOTE: The first FY11 campaign was accelerated into FY10 (10-02).
- FY12. 1 campaign with feed from AZ-102 and slurry to AP-107. This campaign replaces a Cold Run in the baseline.
- FY13. 1 campaign with feed from AY-101 and slurry to AP-107.

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 6/25/09. Campaign 09-01/09-02
FY09	09-02	AP-101/ AP-105	AP-104/ AP-101	processed approximately 2.1mgal of DST waste achieving 948kgals (45%) waste volume reduction.
FY10	10-01	AW-106 (first pass)	AW-106	Campaign 10-01 was completed in September 2010. Campaign 10-02 was completed in October 2010. Campaign 10-02 represents an acceleration of 1 FY11 campaign. Campaign renamed based on FY sequence.
FY10	10-02	AW-106 (second pass)	AW-106	
FY11	11-01	AP-107	AP-104/ AP-107	Planned start July 2011.
FY12	12-01	AZ-102	AP-107	Planned start March 2012.
FY13	13-01	AY-101	AP-107	Planned start March 2013.

Tank Farm Project Executive Summary

August 2010

General

The earned value analysis is a comparison of cost and schedule contract-to-date performance. The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting.

The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones. The following information is a summary of cumulative-to-date earned value performance.

WRPS August Project Performance - (\$k)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	38,506.6	45,779.5	42,443.1	7,272.9	3,336.4	1.19	1.08			
FYTD	408,246.7	409,641.9	369,432.5	1,395.1	40,209.3	1.00	1.11	468,767.1	448,033.2	20,733.9
CTD	694,986.3	686,916.6	631,100.1	(8,069.8)	55,816.5	0.99	1.09	2,088,672.3	2,040,113.7	48,558.6
Red shaded cells indicates a SPI/CPI less than .90; Green shaded cells indicate a SPI/CPI between .90 and .99; and Blue shaded indicates a SPI/CPI greater than or equal to 1.										

The contract-to-date (CTD) cost performance index (CPI) through August is 1.09 with a schedule performance index (SPI) of .99.

WRPS August CTD Project Performance by Level 2 WBS (\$k)										
	CTD BCWS	CTD BCWP	CTD ACWP	CTD SV	CTD CV	CTD SPI	CTD CPI	BAC	EAC	VAC
5.1- Base Operations	472,736.8	471,981.1	443,289.3	(755.7)	28,691.8	1.00	1.06	1,284,531.9	1,259,650.7	24,881.2
5.2- Retrieval and Close SSTs	148,052.3	141,437.8	130,148.8	(6,614.4)	11,289.0	0.96	1.09	414,554.6	401,716.5	12,838.1
5.3- WFD/Treatment PIng/DST Retrieval/Closure	71,543.1	70,881.0	55,431.9	(662.0)	15,449.1	0.99	1.28	352,078.8	341,451.7	10,627.1
5.4- Supplemental Treatment	2,654.2	2,616.5	2,230.0	(37.7)	386.5	0.99	1.17	24,054.8	23,842.6	212.2
5.5- Treat Waste	0.0	0.0	0.0	0.0	0.0	0.00	0.00	13,452.2	13,452.2	0.0
Total	694,986.3	686,916.6	631,100.1	(8,069.8)	55,816.5	0.99	1.09	2,088,672.3	2,040,113.7	48,558.6

SUMMARY PROJECT PERFORMANCE

TOC CTD Unfavorable SV of (\$8,070k) is driven by:**Retrieval and Closure SSTs, (\$6,614k):**

- *C-111 Retrieval*, due to delays from the discovery of objects blocking several tank risers causing design changes and relocation of cameras and spray wands and frozen ground slowed excavation and delays in receiving equipment.
- *C-108 Retrieval*, engineering and plant forces directed to higher priorities delaying fabrication of equipment.
- *C-104 Retrieval*, obstruction beneath the slurry pump preventing it from being lowered and failure of the nitrogen seals in AN-101 supernatant pump have halted retrieval operations, and the fabrication work and installation of the Articulating Mast System (AMS) has been delayed due to engineering availability.
- *C Farm Infrastructure*, delays in the procurement of a spare submersible supernatant pump, originally scheduled to be delivered in August, but due to internal vendor problems has been delayed until December 2010.
- *C Farm Facility Enhancements*, delays from modifications to the Enhanced Walkways design, changes in the *Lighting Upgrades* design, and additional fabrication time required for the Mobile Decontamination Facility.

Base Operations, (\$756k):

- *RA - Remove Obsolete Equipment*, delay in fieldwork for DST Obsolete Equipment Removal, and demolish AN Exhausters project due to competition with other projects for field resources.
- *242-A Evaporator Operations & Maintenance*, reflects a five (5) month delay in starting and completing the FY10 Evaporator Campaign.
- *RA- Electrical Upgrades*, delay in obtaining engineering resources, which have been assigned to higher priorities.

WFD/Treatment Plng/DST Retrieval/Closure, (\$662k):

- *Transfer Line Upgrade* delays in awarding pipe refurbishment, fabrication, and construction contracts.
- Offset by, *RA- AW COB Isolation*, COB Removal activities completed early due to the strong working relationships between HPTs, engineering, and construction craft.

TOC CTD Favorable CV of \$55,817k is driven by:**Base Operations, \$28,692k:**

- *Finance Support*, lower allocation of General and Administrative (G&A)/ Continuity of Pension (COP) costs than planned.
- *SST Safe Storage & Operations*, continuous cost under runs realized in operations; partially offset with maintenance over runs.

- *Information Resource Management*, lower material expenditures due to receipt of items from Yucca Mountain and Document Control's utilization of current staff.
- *222S Roof Replacement*, replacement of the 222-S roof completed with less cost than planned due to better conditions, less material removal and less hazardous waste than planned.
- *Facility and Property Management*, unfilled positions and inability to ramp up as quickly as planned.
- *RA - DST Valve Assembly Upgrades*, startup and testing activities would not be required, labor efficiencies during installation of the valve funnel and positioning plates in AP Valve Pit; and reduced pricing negotiated with the supply chain for the fabrication of the jumpers for the AP Valve Pit.
- *SST Integrity Project*, efficiencies from using expert panel support contracts, research and implementation of the plan by Staff Augmentation (AUG) personnel, and the use of interns for data collection. Additional savings realized with the completion of the Tank Wall Core Samples for which the cost was less than expected due to easy access to the tank through other projects utilizing the same tank.
- *RA- Remove Obsolete Equipment*, less labor required to prepare the engineering documents to support the Demolish of AN and AW Exhausters Projects; and lower rates for engineers supporting the Remove DST Obsolete Equipment project.
- *RA- Program Mgmt, less Request for Offsite Services (ROS) Support*, lower labor cost due to staffing vacancies, and less material cost than planned.
- *RA- TOC Training Program*, less RA personnel training required reducing the HAMMER cost and use of training professionals.
- *RA- Drawing Reconstitution*, lower cost for ROS staff as a result of a lower field rate than planned and efficiencies gained through tank farm walk downs.
- *RA- DST Farm Upgrades*, the Vent Reliability Study completing significantly under budget due to it being determined through technical evaluations that the AN Exhauster Evaluation bounds all the HVAC systems, and by resolving the National Electrical Code (NEC) issues in the SY Farm; and the DST Farm Replace Drain Seals project performed more efficiently than planned because a dedicated team was assigned to support the projects and once in the field the team worked the job until complete.
- *DST Integrity Project*, the utilization of available resources and proximity of the tanks to perform the AW-101 and AW-105 UT Examinations in parallel resulting in a labor cost efficiency; cleaner than expected surface conditions at AW-106 resulted in an additional labor cost efficiencies; and less subcontract cost for the Corrosion Probe Surveillance.

WFD/Treatment Planning/DST Retrieval/Closure, \$15,449k:

- *RA- WFE Technology Maturity Validation*, decrease in procurement cost for WFE Component (304L Stainless Steel versus Hastelloy); lease versus buy for subsystem equipment; and work efficiencies enabled work to be accomplished with less labor than planned.
- *RA- AW COB Isolation*, awarding of construction contract which was significantly below initial estimates and less resources required resulting from a strong working relationship

between Hanford Atomic Metal Trades Council (HAMTC), engineering (with support from our ARES subcontractor) and experienced construction craft.

- *WFD PE/Flow Sheet*, lack of contract support and staff vacancies.
- *WFD Technical Baseline*, delays in hiring staff resulting in labor cost under runs and delays in issuing contracts for managed task resulting in subcontract under runs.
- *RA- WFD Tank Mixing & Sampling*, resulting from a transfer to SRNL for the Bench-Scale Demonstration which is not captured as actual cost (ACWP); and the Small- Scale Mixing Demonstration Plan completed significantly under original estimate.
- *RPP System Plan*, efficiencies gained through training, Hanford Tank Waste Operations Simulator (HTWOS) model improvements, judicious use of overtime, and enabling completion of HTWOS Modeling and System Plan Reporting in parallel.
- *Hanford IHLW Storage Project Support*, the utilization of prior knowledge from current staff to eliminate the need for additional engineering support.
- *Tank Waste Database Management*, the use of fewer resources to complete the Tank Waste Information Network System (TWINS) database diagnostic activities.
- *RA- WFE Application Viability*, efficiencies from completing the SST consolidation pilot-scale testing, Test Plans, and Procedures in parallel; lower rates for subcontractor work; and less labor than planned.
- *RA-WFE-Specific Site & Regulatory Interfaces*, completed Specific Site Interfaces and Requirements report with current staff utilizing prior knowledge eliminating the need for engineering support; lower rates for subcontractor work; revised strategy for only a single identified interfacing system specification; less subcontract work on the Environmental Plan; and less labor than planned.
- *Waste Compatibility Program*, the early purchase and installation of the cone penetrometer projected to be completed at the end of FY10.

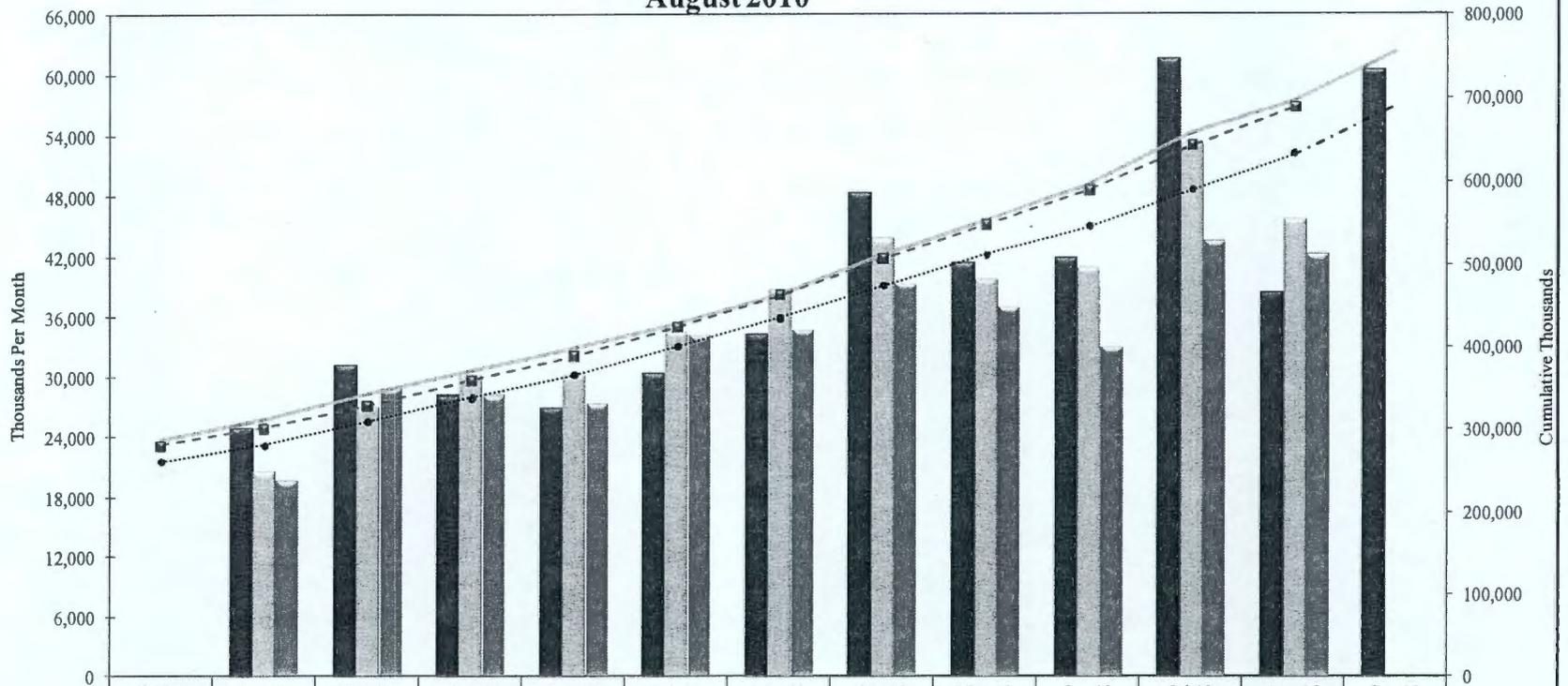
Retrieval and Closure SSTs, \$11,289k:

- *Hose in Hose Transfer Line Disposition (SST)*, efficiencies realized in engineering and field by grouping multiple hoses together to work in parallel and several HIHTLs were less contaminated than anticipated, therefore not requiring flushing or high radiation controls.
- *C-Farm Infrastructure DST Receiver Tank 3*, efficiencies realized from changing the designation of the receiver tank from AY-101 to AN-106. Current infrastructure setup to AN Farm avoids duplicating efforts to AY-Farm which saves resources and reduces the amount of materials and equipment to purchase and install.
- *C-110 Retrieval*, efficiencies captured during C-110 waste retrieval operations.
- *Catch Tank & Pipeline Reporting*, efficiencies gained by using direct labor rather than subcontract support.

CURRENT MONTH PERFORMANCE MEASUREMENT - 08/2010
BY WORK BREAKDOWN STRUCTURE
Dollars in Thousands

WBS	TITLE	Current Month						
		Budgeted Cost			Variance			
		Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV%
5.1	BASE OPERATIONS							
5.1.1	Base Operations	6,880.6	7,878.3	8,220.0	1,015.7	14.8%	(353.7)	-4.5%
5.1.2	DST Space Management	-421.6	284.7	813.1	708.3	-167.5%	(528.4)	-185.6%
5.1.3	TOC Facility Operations	3,243.1	4,015.2	3,223.8	772.1	23.8%	791.4	19.7%
5.1.4	Tank Farm Upgrades	1,366.9	5,516.8	4,180.8	4,149.9	303.6%	1,336.0	24.2%
5.1.5	Project Support	<u>9,865.7</u>	<u>9,972.0</u>	<u>10,113.8</u>	<u>108.3</u>	<u>1.1%</u>	<u>(141.8)</u>	<u>-1.4%</u>
	TOTAL	<u>20,914.7</u>	<u>27,665.0</u>	<u>26,561.5</u>	<u>6,750.3</u>	<u>32.3%</u>	<u>1,103.5</u>	<u>4.0%</u>
5.2	RETRIEVE AND CLOSE SST's							
5.2.1	Retrieval/Closure Program	3,076.8	5,078.9	3,475.3	2,002.1	65.1%	1,603.6	31.6%
5.2.2	SST Retrieval East Area	7,630.7	6,293.0	6,433.4	(1,337.7)	-17.5%	(140.4)	-2.2%
5.2.3	SST Retrieval West Area	126.1	78.5	21.8	(47.6)	-37.7%	56.7	72.2%
5.2.4	Closure Program	128.1	153.5	82.4	25.4	19.8%	71.1	46.3%
5.2.5	SST Closure	<u>76.6</u>	<u>30.3</u>	<u>43.6</u>	<u>(46.3)</u>	<u>-60.4%</u>	<u>(13.3)</u>	<u>-43.9%</u>
	TOTAL	<u>11,038.3</u>	<u>11,634.2</u>	<u>10,056.5</u>	<u>595.9</u>	<u>5.4%</u>	<u>1,577.7</u>	<u>13.6%</u>
5.3	WFD/TREATMENT PLNG/DST RETRIEVAL/CLOSURE							
5.3.1	WTP Feed Delivery Program	1,809.5	2,167.5	1,803.4	358.0	19.8%	364.1	16.8%
5.3.2	Construct DST Systems	499.8	521.5	525.0	21.7	4.3%	(3.5)	-0.7%
5.3.3	RA - Transfer System Mbd Project	685.9	428.4	788.7	(257.5)	-37.5%	(340.3)	-79.4%
5.3.6	Immobilization Program	344.4	351.1	258.3	6.7	1.9%	92.8	26.4%
5.3.7	WTP Operational Readiness	423.5	377.3	335.1	(46.2)	-10.9%	42.2	11.2%
5.3.8	East Area Waste Receiving Facility	0.0	0.0	-9.0	0.0	0.0%	9.0	0.0%
5.3.9	Tank Waste Pretreatment Project	65.8	87.0	433.0	21.2	32.2%	(346.0)	-397.7%
5.3.10	Secondary Waste Treatment/ETF	651.3	626.8	362.5	(24.5)	-3.8%	264.3	42.2%
5.3.11	Next Generation Projects	<u>1837.5</u>	<u>1,586.4</u>	<u>1,042.6</u>	<u>(251.1)</u>	<u>-13.7%</u>	<u>543.8</u>	<u>34.3%</u>
	TOTAL	<u>6,317.7</u>	<u>6,146.0</u>	<u>5,519.6</u>	<u>(171.7)</u>	<u>-2.7%</u>	<u>626.4</u>	<u>10.2%</u>
5.4.1	Supplemental Treatment	<u>235.6</u>	<u>334.2</u>	<u>305.6</u>	<u>98.6</u>	<u>41.9%</u>	<u>28.6</u>	<u>8.6%</u>
TFC TOTAL		38,506.3	46,779.4	42,443.2	7,273.1	18.9%	3,336.2	7.3%

FY10 WRPS Contract-to-Date Performance (\$k) August 2010



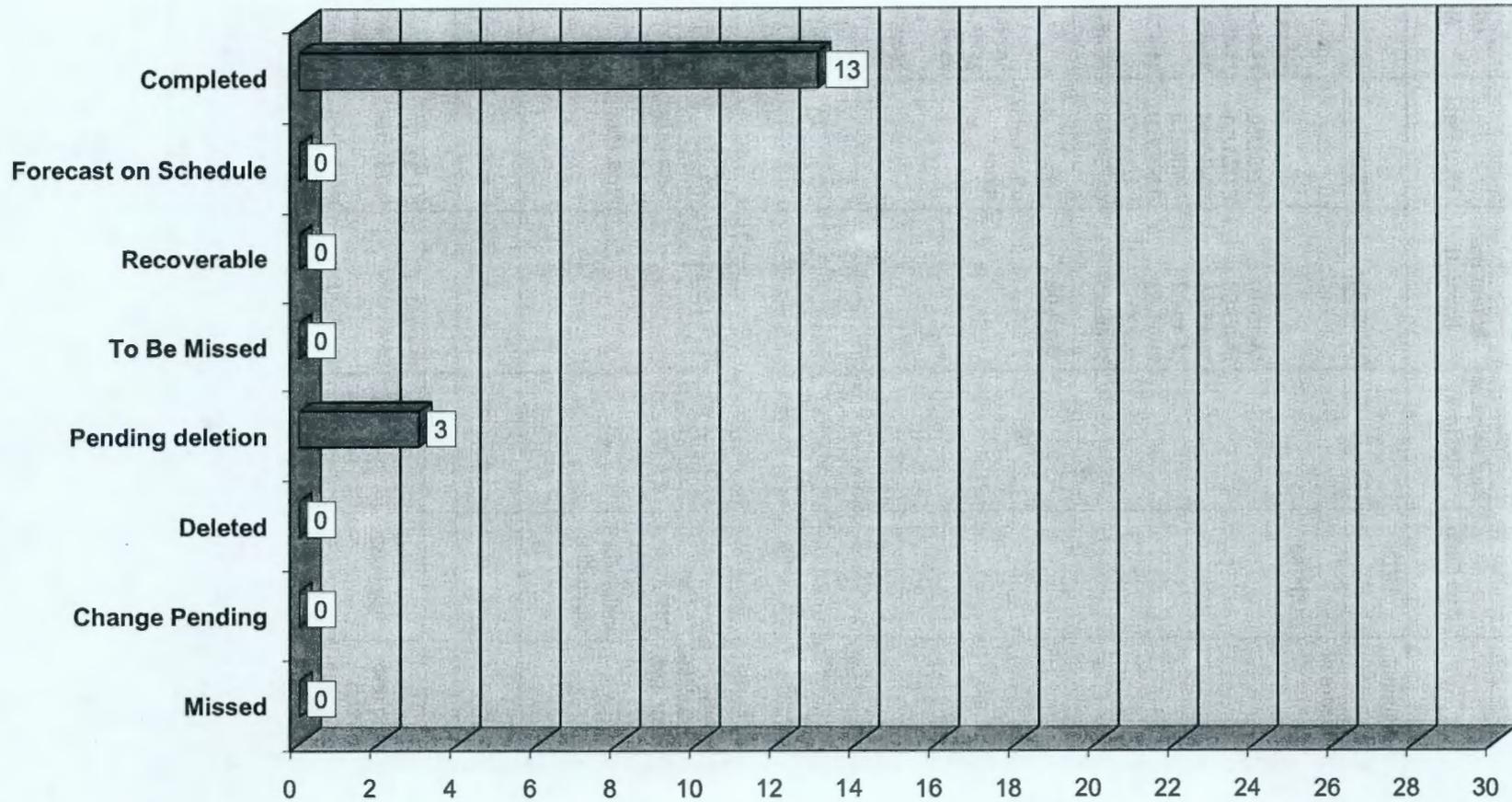
	FY 09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
CM Plan (BCWS)		24,992	31,267	28,227	26,984	30,345	34,431	48,387	41,519	41,981	61,607	38,507	60,520
CM Perf (BCWP)		20,677	27,086	30,260	30,306	34,634	38,856	43,927	39,892	41,065	53,135	45,780	
CM Actuals (ACWP)		19,801	28,941	28,292	27,436	34,416	34,820	39,463	37,098	33,058	43,666	42,443	
CTD Plan (BCWS)	286,740	311,732	342,999	371,226	398,210	428,555	462,986	511,374	552,892	594,872	656,479	694,986	755,506
CTD Perf (BCWP)	281,299	301,976	329,062	359,322	389,628	424,262	463,118	507,045	546,937	588,002	641,137	686,917	
CTD Actuals (ACWP)	261,668	281,468	310,409	338,701	366,137	400,553	435,373	474,836	511,933	544,991	588,657	631,100	
CTD Actuals/FY ETC												631,100	689,298

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 10/01/09	Milestone Number	Due Date	Milestone Number	Due Date
M-42-00A , Provide Additional DST Capacity	TBD	1	M-42-00A	TBD		
M-45-00 , Complete Closure of all SST Farms	01/31/43	19	M-45-70 M-45-80 M-45-81 M-45-82 M-45-83 M-45-84 M-45-85 M-45-86	12/31/40 01/31/11 09/30/14 09/30/15 06/30/19 01/31/17 01/31/22 12 months after each tank retrieval	M-45-13 M-45-15 M-45-56 M-45-59 M-45-61 M-45-62 M-45-90 M-45-91 M-45-92 M-45-100 M-45-101	06/30/11 06/30/11 TBD TBD 12/31/14 06/30/15 09/30/10 09/30/10 09/30/16 60 days after milestone adoption 60 days after milestone adoption
M-47-00 , Complete Work Necessary to Provide Facilities for Management of Secondary Waste from the WTP.	When WTP Achieves Initial Plant Operation	2	M-47-00	When WTP Achieves Initial Plant Operation	M-47-06	06/30/12
M-62-00 , Complete Pretreatment Processing and Vitrification of Hanford High Level (HLW) and Low Activity (LAW) Tank Wastes	12/31/47	12	M-62-01T M-62-01U M-62-20 M-62-21 M-62-30	01/31/10 07/31/10 06/30/10 02/28/23 12 months after milestone adoption	M-62-31-T01 M-62-32-T01 M-62-33-T01 M-62-34-T01 M-62-40 M-62-45 M-62-49	TBD TBD TBD TBD 10/31/10 04/30/15 10/31/11
M-90-00 , Interim Storage and Disposal of LAW and Interim Storage of HLW	When WTP Achieves Hot Start	2	M-90-00	When WTP Achieves Hot Start	M-90-11	12/31/12

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	

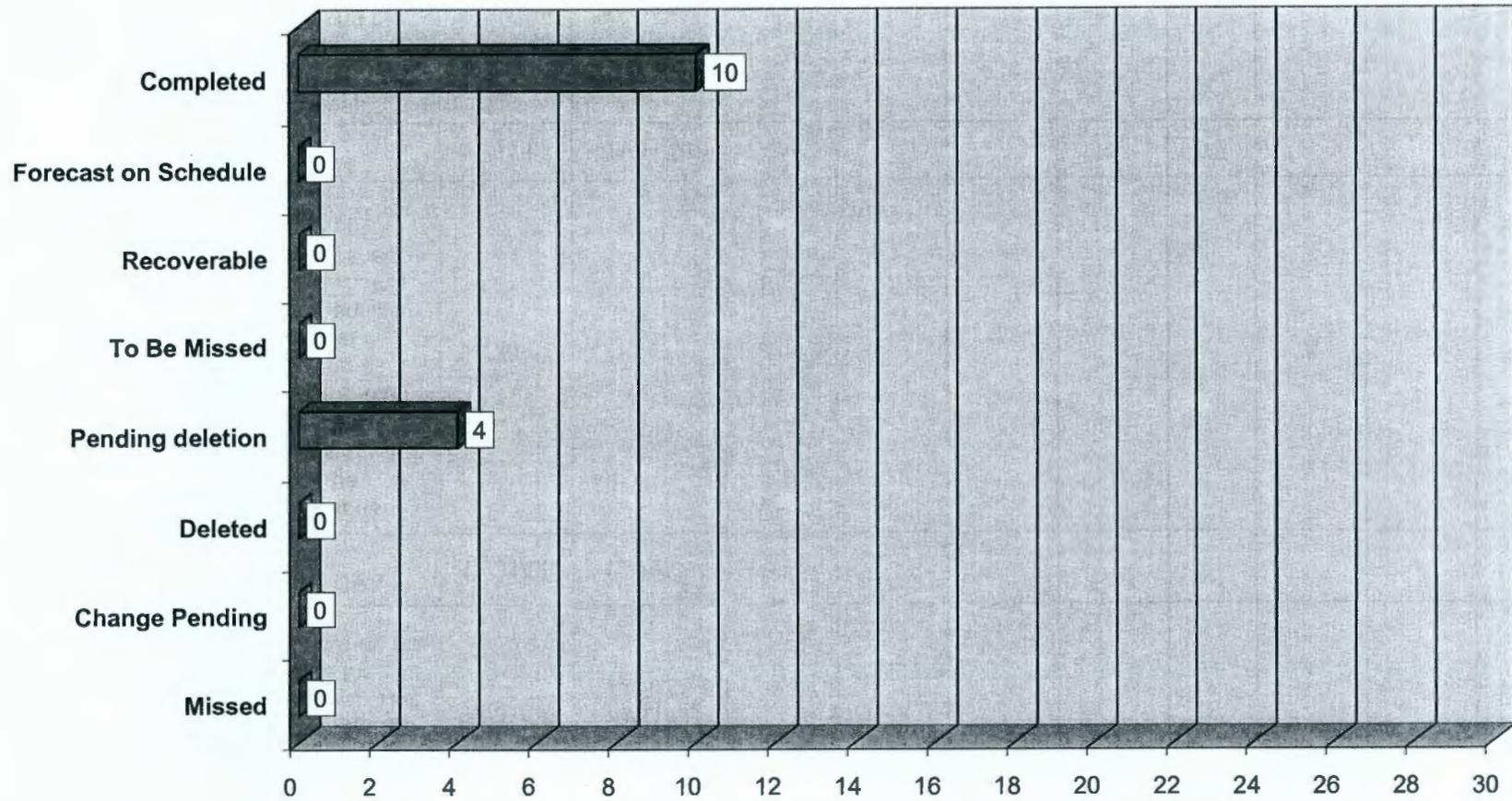
Fiscal Year 2006 Tri-Party Agreement Milestone Status

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).	06/30/06							X		

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-56B	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								
M-045-05A	Complete Waste Retrieval from	3/31/07							X		

Fiscal Year 2007 Tri-Party Agreement Milestone Status

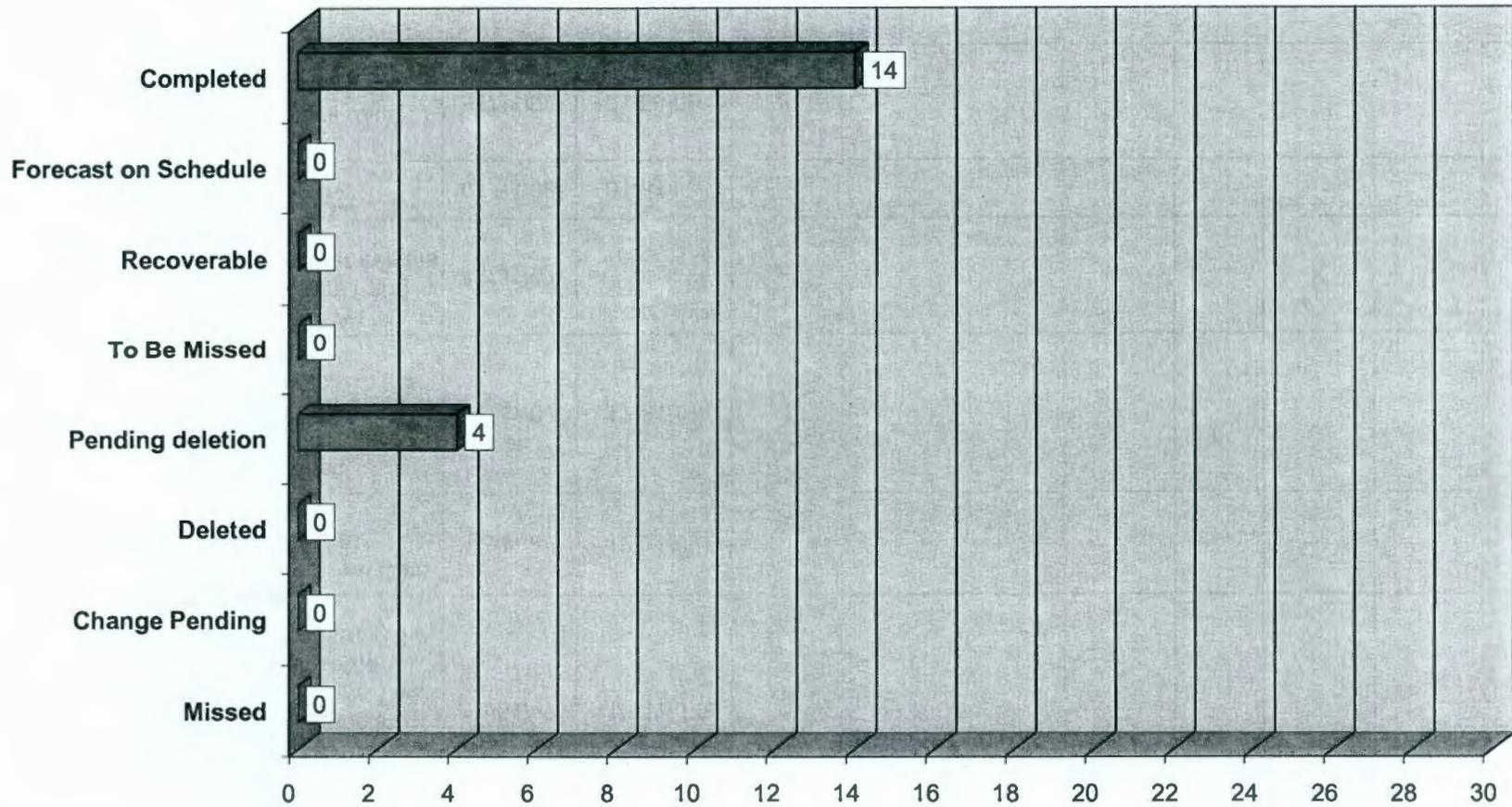
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	S-102.										
D-001-00-R32	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities 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								

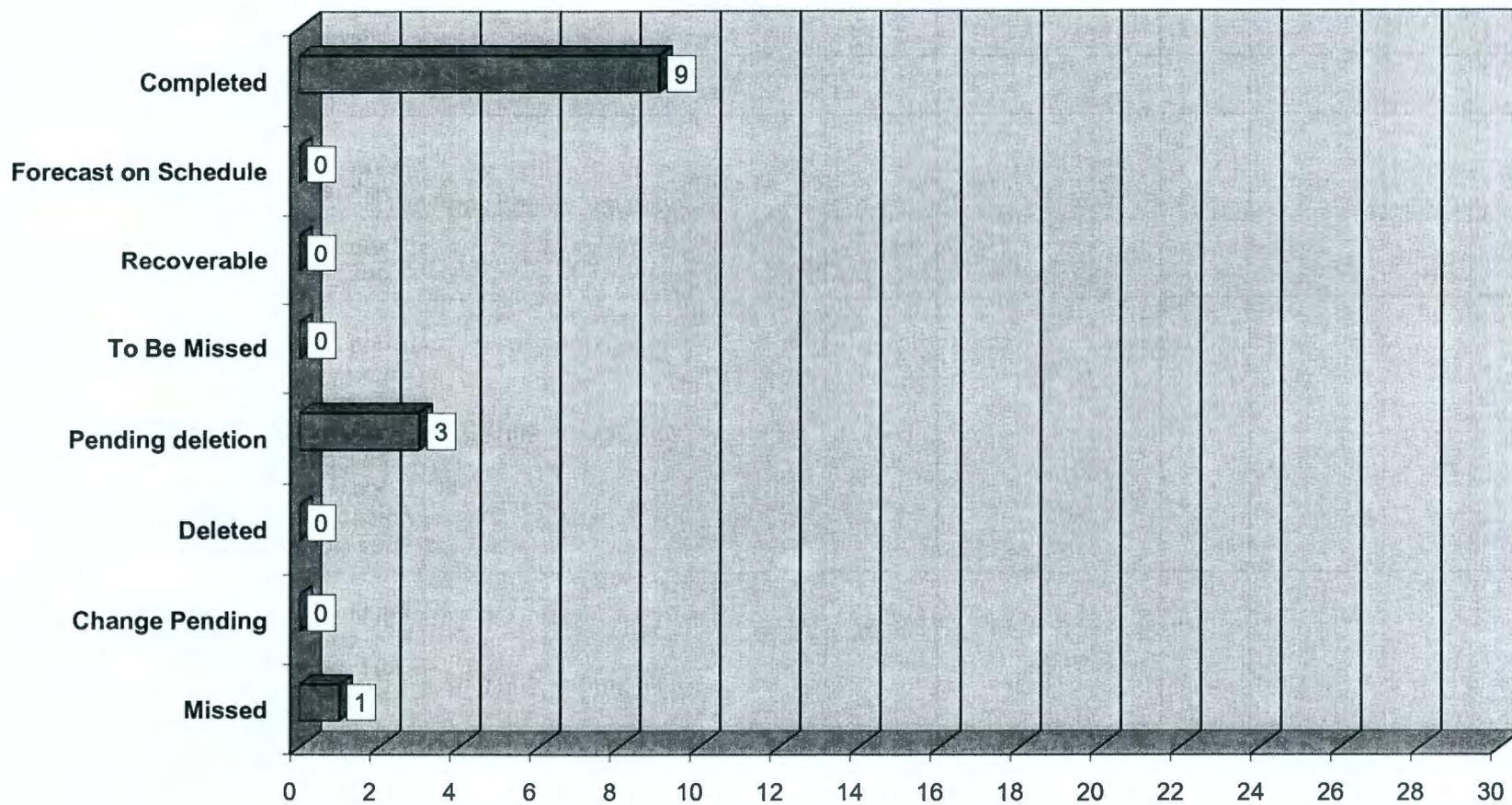
Fiscal Year 2008 Tri-Party Agreement Milestone Status

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-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								
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								

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-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								
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		
M-045-XX	Remove pumpable liquid from Catch Tank S-302	9/30/08	9/30/08								

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								
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								

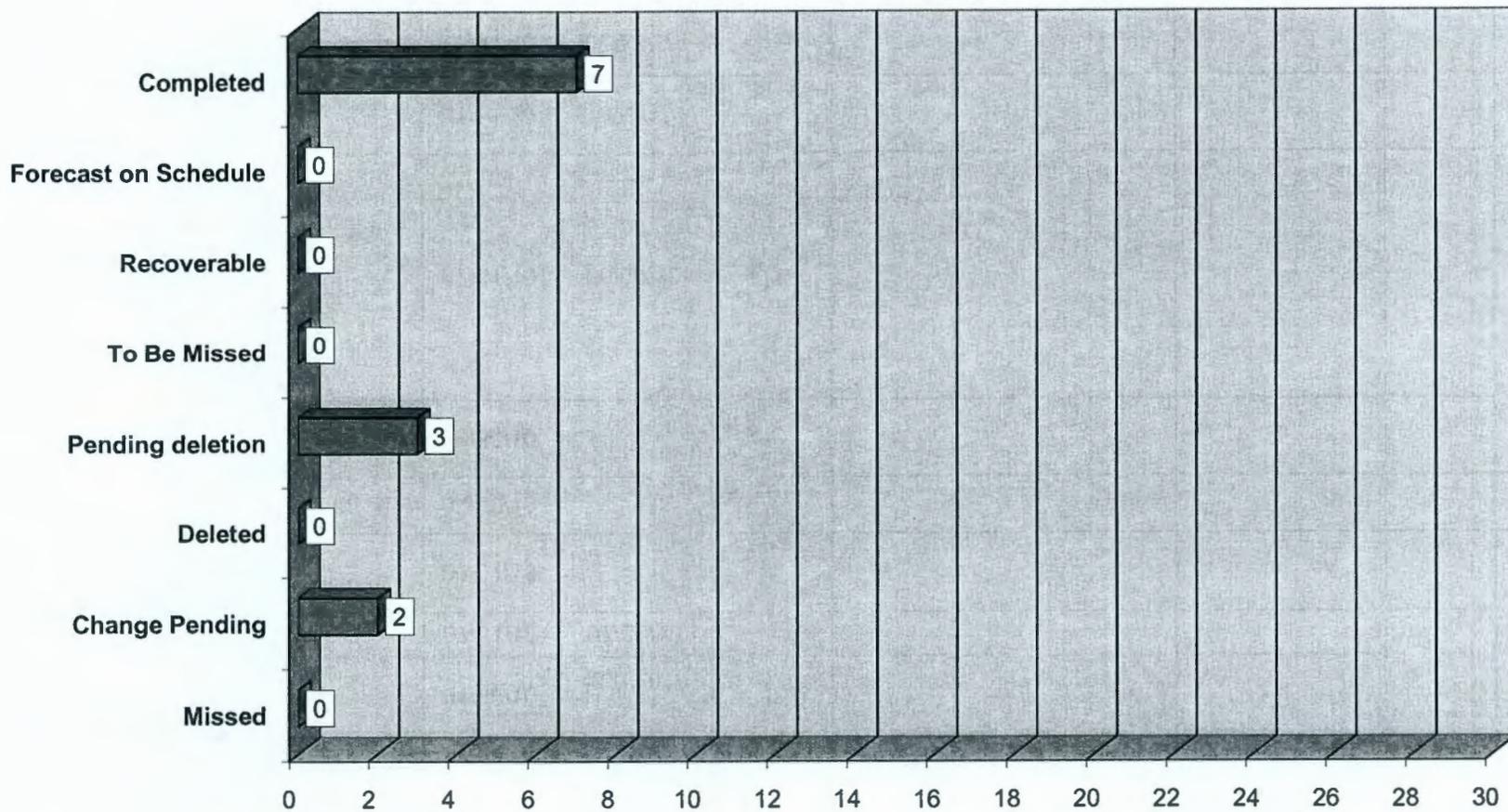
Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
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	07/21/09								
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	07/31/09								
M-062-01S	Submit Semi-Annual Project Compliance Report	07/31/09	07/31/09								
M-045-05-T07	Initiate tank retrieval from 7	09/30/09						X	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						
	additional SSTs										

FY 2010 MILESTONE PERFORMANCE



Fiscal Year 2010 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-001-00R-42	Quarterly Report	10/31/09	10/28/09								
D-001-00R-43	Quarterly Report	01/31/09	1/28/10								
D-001-00R-44	Quarterly Report	04/30/10	4/30/2010								
D-001-00R-45	Quarterly Report	07/31/10	07/29/10								
M-45-02O	Biennial Update to SST Waste Retrieval Sequence	03/01/10							X		
M-45-02O-A	New SST milestones within 60 days	04/30/10							X		
M-45-05-T08	Initiate Tank Retrieval from 8 Additional SSTs	09/30/10							X		
M-45-56F	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.	07/31/10	06/09/10								
M-62-01T	Submit Semi-Annual Project Compliance Report	01/31/10	1/29/10								
M-62-01U	Submit Semi-Annual Project Compliance Report	07/31/10	07/26/10								
M-47-06	Complete Negotiation of Agreement Requirements-Treatment Complex	06/30/10									X
M-90-11	Complete Canister Storage Facility Construction	08/31/10									X

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.

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: 12/31/2009
Status: Complete.
- **M-62-01S, Submit Semi-Annual Project Compliance Report**
Due: 07/31/2009
Status: Complete.
- **M-62-01T, Submit Semi-Annual Project Compliance Report**
Due: 12/31/2010
Status: Complete.
- **M-62-01U, Submit Semi-Annual Project Compliance Report**
Due: 07/31/2010
Status:
- **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

Office of River Protection Hanford Waste Treatment and Immobilization Plant (WTP) Project

There are about 3,160 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 980 craft, 415 non-manual, and about 285 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through August 2010 is 56%, design and engineering is 81% complete, procurement is 58% complete and construction is 53% complete

The overall WTP Project schedule variance (SV) in August was a positive \$1.5M, the Cost Variance (CV) was a negative (\$8.6M). The positive SV came from Plant Equipment, Plant Material and Bulk Materials. The negative CV came from Equipment Engineering, Plant Material, Plant Equipment and Construction Subcontracts.

Following is the status through the end of September for current project issues:

The Defense Nuclear Facilities Safety Board (DNFSB) scheduled a public meeting and hearing concerning safety-related aspects of the design and construction of the WTP. Starting in FY09, DOE made major changes to the WTP design philosophy and design, including the safety approach. The changes included reductions in the assumed radioactivity of the waste due to radioactive decay, and more realistic assumptions about the waste feed, as well as reducing the plant's operational complexity.

Technical issues to be discussed at the meeting include:

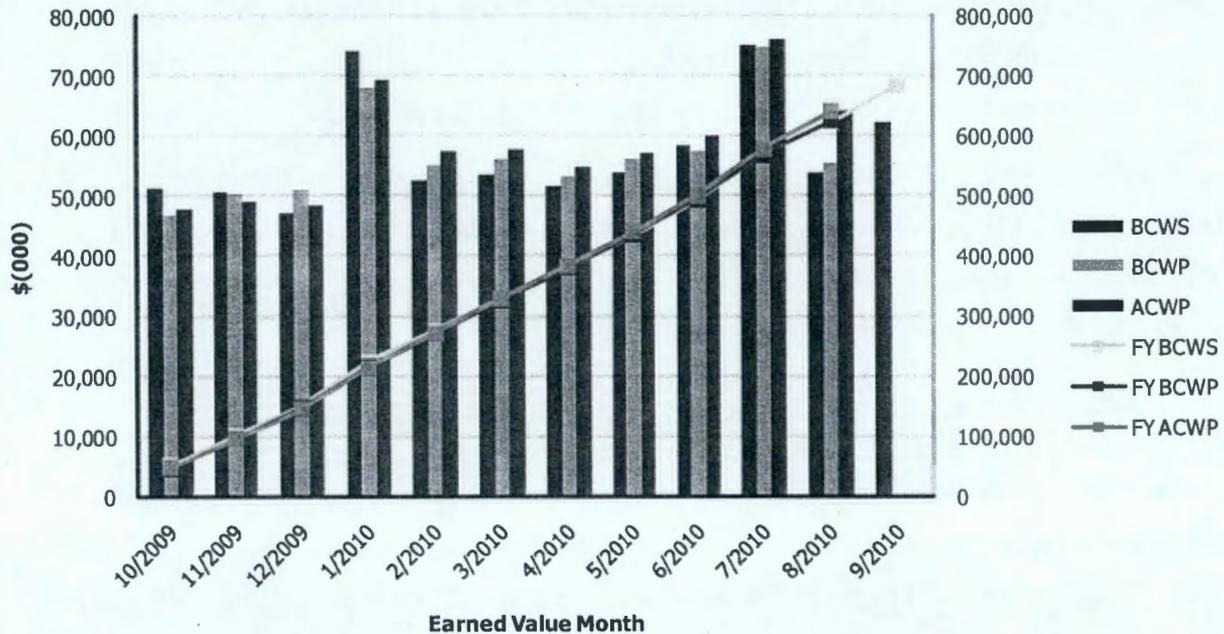
1. Changes in safety related design criteria resulting from modification of the material-at-risk (MAR),
2. Changes in design strategy to address hydrogen in pipes and ancillary vessels (HPAV),
3. Criticality safety concerns and other safety-related risks for the pulse jet mixing system,
4. Reclassification of safety-related systems, structures, and components, and
5. Safety-related design aspects of new facilities or modifications of existing facilities needed to deliver HLW feed.

The DNFSB provided the DOE/WTP twenty-three questions in support of the public hearing associated with the above five topics, answers to these questions have been provided and are available on the DNFSB website; http://www.dnfsb.gov/pub_docs/public_hearings/all/ph.php. The meeting and hearing will take place October 7-8, 2010, in Richland, Wa.

WTP – Fiscal Year To-Date Performance – September EVMS was not available.

**River Protection
01-D-416 - Waste Treatment Plant (WTP) Project**

Monthly EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$51,264	\$46,742	\$47,659	0.91	0.98	\$51,264	\$46,742	\$47,659	0.91	0.98
Nov 2009	\$50,479	\$50,256	\$48,883	1.00	1.03	\$101,743	\$96,998	\$96,542	0.95	1.00
Dec 2009	\$47,078	\$50,905	\$48,202	1.08	1.06	\$148,821	\$147,903	\$144,744	0.99	1.02
Jan 2010	\$74,085	\$68,098	\$69,303	0.92	0.98	\$222,906	\$216,001	\$214,047	0.97	1.01
Feb 2010	\$52,534	\$55,070	\$57,409	1.05	0.96	\$275,440	\$271,071	\$271,456	0.98	1.00
Mar 2010	\$53,617	\$56,053	\$57,679	1.05	0.97	\$329,057	\$327,124	\$329,135	0.99	0.99
Apr 2010	\$51,463	\$53,194	\$54,714	1.03	0.97	\$380,520	\$380,318	\$383,849	1.00	0.99
May 2010	\$53,809	\$56,024	\$57,113	1.04	0.98	\$434,329	\$436,342	\$440,962	1.00	0.99
Jun 2010	\$58,177	\$57,357	\$60,051	0.99	0.96	\$492,506	\$493,699	\$501,013	1.00	0.99
Jul 2010	\$75,087	\$74,860	\$76,146	1.00	0.98	\$567,593	\$568,559	\$577,159	1.00	0.99
Aug 2010	\$53,886	\$55,351	\$63,983	1.03	0.87	\$621,479	\$623,910	\$641,142	1.00	0.97
Sep 2010	\$62,156					\$683,635				
PTD	\$5,655,715	\$5,664,789	\$5,700,920	1.00	0.99					

Pretreatment (PT) Facility – September 2010 Accomplishments (August 2010 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 47%, engineering/design is 81% complete, procurement is 44% complete and construction is 33% complete.

Overall construction continues to perform well. Construction installations for the month of August include placement of three walls and four slabs.

Installation of HVAC ducts continues to support the recovery plan developed to meet the baseline schedule by April 2011. Rebar installation continues to support additional slab placements at the 77-ft elevation. Structural steel installation continues to progress. Installation of piping and liner plates, welding of vessels in Black Cells; installation of HVAC ductwork, fabrication of rebar curtains, application of Special Protective coatings, and installation of hotcell crane rail girder are on-going.

PT engineering and design accomplishments included approval of M3 closure, completion of the Filter Cave coupled analysis, and release of the first HPAV hold, and issuance of all remaining 5th lift wall reinforcing drawings - over three months ahead of schedule. Engineering also issued 35 forming and embed detail drawings and three supporting calculations, which releases 1,450 cubic yards of concrete and 61 tons of embeds. Contracts were awarded for the maintenance crane, and the CHW expansion tank and air separator. A Material Requisitions was issued to purchase ultra filters.

Re-analysis and fabrication modifications of vessels due to seismic and other dynamic load increases are ongoing. Furthermore changes, as a result of M3 closure recommendations, are impacting the design analysis of some vessels.

Design and fabrication of vessels UFP-1A and 1B, and HLP-27A and 27B, is the current critical path for PT. Recently, fabrication for UFP-1A/1B was suspended in anticipation of M3 resultant modifications. The final UFP- 1A/B re-analysis and drawing issuance with M3 changes incorporated is forecasted to be complete in March 2011. Mitigating planning efforts have been completed to allow advancement of portions of the modifications in order to accelerate completion. In order to aid with the changes, some of the vessel modifications will be contracted out to mitigate the contractor resource constraints and expedite fabrication. The decision was made to proceed

with two separate subcontracts for vessel alterations (one Q and one CM). Discussions are ongoing with Ecology regarding the schedules for the analysis and fabrication of all these vessels. The Department of Ecology has clarified the necessary Permit requirement for vessel alterations (Class 2 or Agency Initiated, not Class 1 prime).

The BNI implementation and closure plan (ICP) to address the findings of the HPAV Independent Review Team was accepted by DOE and briefed to the DNFSB. This ICP will be updated monthly to track closure of items and incorporate any updates to the approaches for each Finding and Recommendation to be implemented.

The BNI/ORP Technical Steering Group has formally closed the M3 technical issue on August 20, 2010. The closure package contains required follow-on actions that include benchmarking the Low Order Accumulation Model (LOAM) for application to the 5 non-Newtonian vessels, which have configurations and contents that differ from the previously tested Newtonian vessels. Benchmarking will be accomplished by testing, with work in progress to test with Newtonian simulant.

Discussions are ongoing as to whether testing is needed using Non-Newtonian simulant in the Non-Newtonian vessels as a part of the model benchmark. Questions that remain are whether Newtonian cases are bounding for the non-Newtonian cases.

Resolution of major technical issues is inter-related and proper coordination of engineering efforts is needed to minimize the amount of document rework resulting from implementation of technical solutions. P&ID redline markups for the major technical issues were completed. Scoping details, including impacts to the project cost and schedule are being developed and prepared for implementation into the project baseline. The full impact of implementation will not be known until the integrated plans for all currently known technical issues are developed.

Upcoming significant planned accomplishments for September include installation of lateral braces, award of CXP/UFP exchangers, placement of a 77-ft elevation slab, completion of liner plate installation in Planning Area 10, and continued alignment and installation of hot cell crane girders.

There are no near-term Consent Decree Milestones.

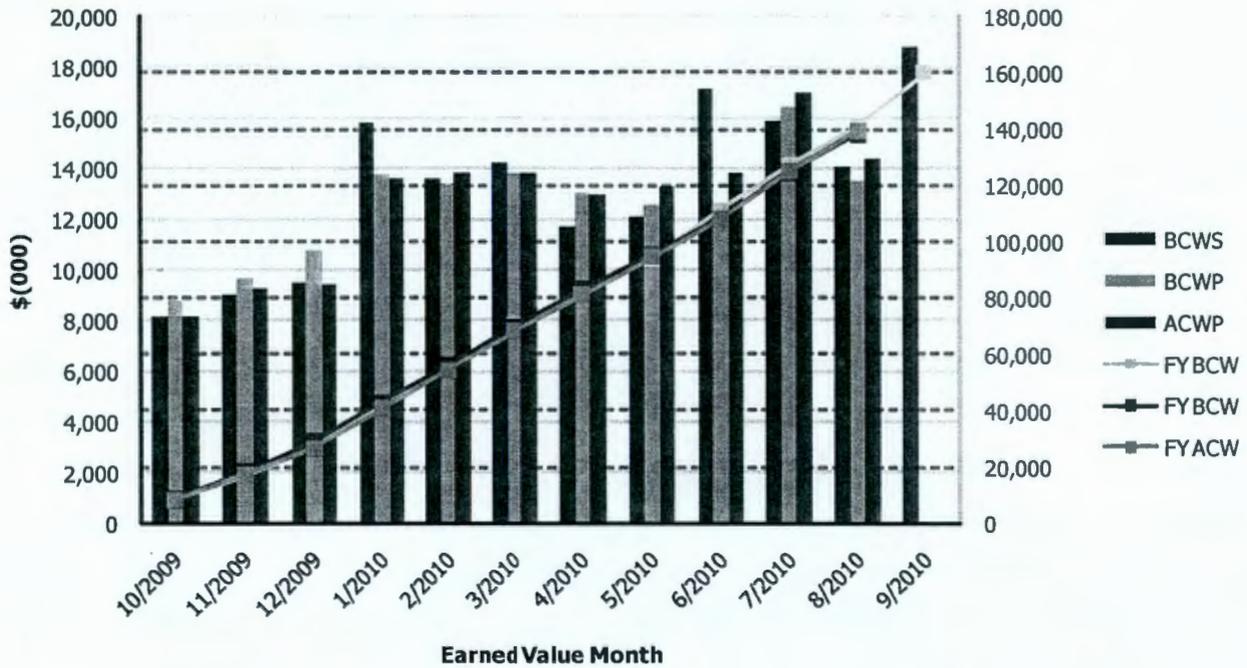
Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

**River Protection
01-D-16E - Pretreatment Facility**

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$8,121	\$8,762	\$8,153	1.08	1.07	\$8,121	\$8,762	\$8,153	1.08	1.07
Nov 2009	\$8,991	\$9,625	\$9,213	1.07	1.04	\$17,112	\$18,387	\$17,366	1.07	1.06
Dec 2009	\$9,493	\$10,767	\$9,366	1.13	1.15	\$26,605	\$29,154	\$26,732	1.10	1.09
Jan 2010	\$15,776	\$13,724	\$13,599	0.87	1.01	\$42,381	\$42,878	\$40,331	1.01	1.06
Feb 2010	\$13,597	\$13,349	\$13,852	0.98	0.96	\$55,978	\$56,227	\$54,183	1.00	1.04
Mar 2010	\$14,245	\$13,801	\$13,823	0.97	1.00	\$70,223	\$70,028	\$68,006	1.00	1.03
Apr 2010	\$11,668	\$13,040	\$12,983	1.12	1.00	\$81,891	\$83,068	\$80,989	1.01	1.03
May 2010	\$12,117	\$12,562	\$13,231	1.04	0.95	\$94,008	\$95,630	\$94,220	1.02	1.01
Jun 2010	\$17,107	\$12,571	\$13,829	0.73	0.91	\$111,115	\$108,201	\$108,049	0.97	1.00
Jul 2010	\$15,888	\$16,448	\$16,954	1.04	0.97	\$127,003	\$124,649	\$125,003	0.98	1.00
Aug 2010	\$14,056	\$13,493	\$14,379	0.96	0.94	\$141,059	\$138,142	\$139,382	0.98	0.99
Sep 2010	\$18,764					\$159,823				
PTD	\$1,040,662	\$1,049,867	\$1,022,573	1.01	1.03					

High-Level Waste (HLW) Facility – September 2010 Accomplishments (August 2010 EVM Data)

The HLW Facility will receive the separated high-level waste from the Pretreatment (PT) facility. The concentrate is blended with glass formers and converted into molten glass in one of the two HLW melter and then poured into stainless steel canisters. HLW engineering design is 86% complete, procurement is 58% complete and construction is 29% complete. The facility is 49% complete overall.

Completing the civil build-out of the Filter Cave is the HLW Facility primary critical path. The engineering design efforts for the Filter Cave have been completed. Procurement of the primary ventilation (C5V), pulse jet vent (PJV), and melter offgas (HOP) filter housings/dampers, support steel, large-bore ducting, piping, hangers, and supports is continuing. The HEPA Filter Housing vendor's seismic analysis began in March 2010 and the reports have been completed for the PJV and C5V housings. The HOP housing report will be completed by the end of October. These detailed reports and model runs are being reviewed locally by WTP staff and also by senior principal seismic experts at Bechtel's headquarters and the San Francisco office. The Remote Operated Damper vendor completed its preliminary analysis the end of September. The damper design has been confirmed to a level necessary to permit the vendor to begin fabrication with minimal risk. The final seismic analysis will be completed by the end of the calendar year. Because the Filter Cave equipment layout was significantly modified to relocate the second-stage C5V HEPA filters, additional embeds (surface mounted steel plates) that weren't included in the original design are being installed for the support steel inside the cave. BNI construction and the HVAC subcontractor responsible for installing the C5V ventilation units/ducting are holding weekly coordination meetings to determine the optimum sequencing of installation and improve constructability.

Completion and delivery of shield doors for the HLW facility were the priority in calendar year 2010. Now the procurement and fabrication progress for multiple HLW Facility vessels is receiving increased attention and high priority. Vessel procurements and fabrication activities were suspended while the WTP Specific Ground Motion (WSGM) seismic studies were completed. Vessels will begin to be installed by construction by mid-year 2011 and continue through 2013. Design impacts from the revised ground motion as well as more well-established ASME NQA-1 (i.e., commercial grade dedication and quality software) requirements are being incorporated into

the procurements and vendors are re-initiating fabrication of the vessels from the stage where they were suspended.

In September, construction forces completed three walls and three slabs for a total of 867 cubic-yards (CY) of concrete. HLW construction forces are deliberately accelerating the schedule in the Annex so electrical equipment installations may be started earlier than originally planned. This allows installations to occur in zones rather than Facility-wide to provide better craft discipline mixes. Crews continued installing the +37 to +58-foot elevation structural steel columns and cross-members in September so fire-proofing of the exterior columns could be started by the subcontractor in October prior to the cold winter weather. Construction plans to complete five placements, three slabs and two walls in October for a total of 922 CY of concrete.

Construction activities in the HLW Facility include:

- At the +37' elevation, iron workers continued to stage and install structural steel; install rebar, anchor bolts, and embeds; electricians installed grounding and conduit, and pipefitters performed piping hydrotests.
- At the +14' elevation, carpenters set and stripped forms; cement masons patched walls, iron workers installed rebar, embeds, and stairwells; electricians installed embeds, conduit, joggles, and grounding; and pipefitters installed embeds and joggles. Subcontractors performed sandblasting, painting, and coating steel in the annex (control room area), and installed liner plate.
- At the +0' elevation, carpenters removed forms; cement masons trued grillage, iron workers installed stairs; electricians installed cable tray supports and conduit; pipefitters continued installing NLD piping; and crews continued installing shield door rails and frames.
Subcontractors installed liner plate, blasted and coated steel, and installed HVAC ducting and firewater piping.

At the -21' elevation, carpenters installed plywood liner plate protection; cement masons trued grillage in the pour tunnel, ironworkers installed handrails, platforms, beams, and pipe chase support steel; electricians installed cable tray supports and pipe chase tray, pipefitters installed rack piping, and crews installed HDH-Door-1; and continued the installation of a monorail and other shield doors. Subcontractors applied coatings, installed firewater piping, and installed HVAC duct and supports.

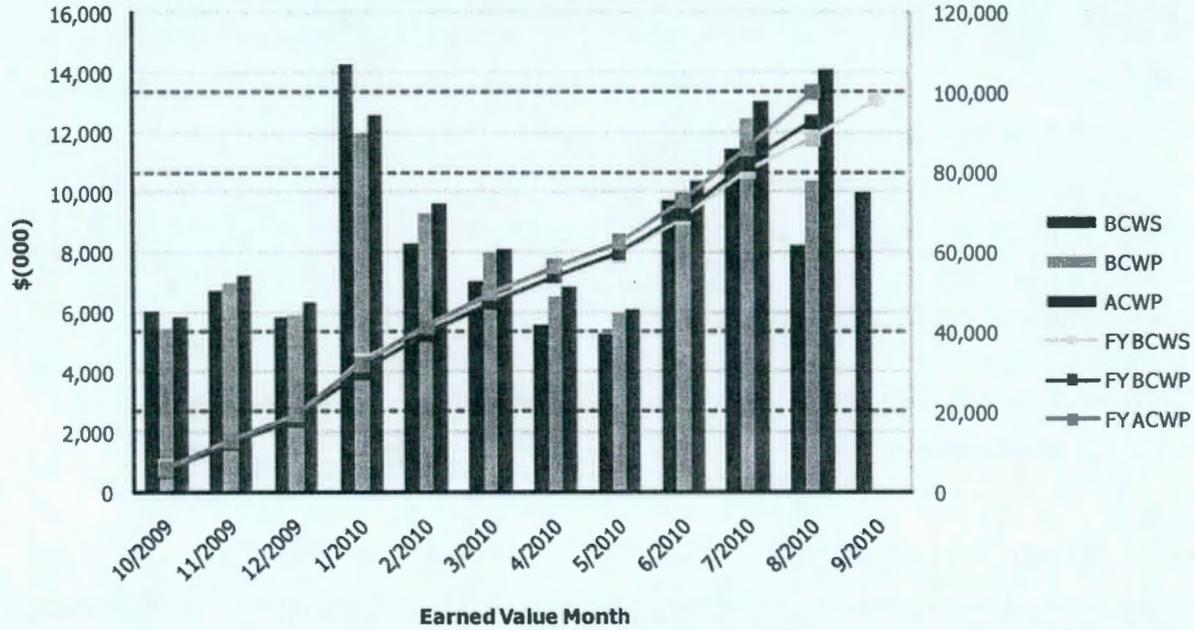
Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

**River Protection
01-D-16D - High-Level Waste Facility**

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$6,029	\$5,415	\$5,799	0.90	0.93	\$6,029	\$5,415	\$5,799	0.90	0.93
Nov 2009	\$6,675	\$6,939	\$7,190	1.04	0.97	\$12,704	\$12,354	\$12,989	0.97	0.95
Dec 2009	\$5,810	\$5,887	\$6,316	1.01	0.93	\$18,514	\$18,241	\$19,305	0.99	0.94
Jan 2010	\$14,300	\$11,915	\$12,602	0.83	0.95	\$32,814	\$30,156	\$31,907	0.92	0.95
Feb 2010	\$8,283	\$9,263	\$9,594	1.12	0.97	\$41,097	\$39,419	\$41,501	0.96	0.95
Mar 2010	\$7,007	\$7,936	\$8,065	1.13	0.98	\$48,104	\$47,355	\$49,566	0.98	0.96
Apr 2010	\$5,555	\$6,519	\$6,811	1.17	0.96	\$53,659	\$53,874	\$56,377	1.00	0.96
May 2010	\$5,283	\$5,975	\$6,094	1.13	0.98	\$58,942	\$59,849	\$62,471	1.02	0.96
Jun 2010	\$9,717	\$9,820	\$10,355	1.01	0.95	\$68,659	\$69,669	\$72,826	1.01	0.96
Jul 2010	\$11,450	\$12,445	\$13,023	1.09	0.96	\$80,109	\$82,114	\$85,849	1.03	0.96
Aug 2010	\$8,199	\$10,341	\$14,057	1.26	0.74	\$88,308	\$92,455	\$99,906	1.05	0.93
Sep 2010	\$9,981					\$98,289				
PTD	\$681,287	\$684,534	\$677,148	1.00	1.01					

Low-Activity Waste (LAW) Facility – September 2010 Accomplishments (August 2010 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 canisters that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 65%, engineering is 92%, procurement is 79%, and construction is 63%.

Engineering

In September, BNI Engineering issued 55 Piping and Instrumentation Diagrams for the LAW Melter Process System. Additionally, engineering issues control logic diagrams for the Stack Discharge Monitoring System and completed the load calculation for the LAW Chilled Water System. Overall BNI engineering continues to work on items for completion of design.

Procurement

The major focus of BNI procurement in September is preparing for shipment of the LAW melters from the manufacturer. The melters are scheduled to be shipped in October and will be stored in the LAW facility until installation. BNI continues to work with the LAW melter transportation subcontractor on the shipment route. The transportation subcontractor is currently having difficulty in gaining agreement with the State of Oregon to transport the melters through the state. An alternate route is available, but will have longer transport duration. If an agreement is not made on the transportation of the melter in October then the transport will not occur until next spring, due to inclement weather.

Construction

During September, BNI continued installation of commodities such as piping in electrical in the LAW facility. No major construction accomplishments were scheduled for the month of September. BNI is continuing to work on installation of the cooling panels in the LAW melter pour caves and installation work is in progress for the freight elevator.

Commissioning

In September, BNI reviewed System Design Description documents for LAW Ventilation with Operations Process Controls Integration and Training. Additionally, BNI operations attended a Pre-ISM working for the GFR System Sucrose Valve isolation and control prior to transfer to LAW and attended the continued Pre-ISM meetings on the LAW flooding issue

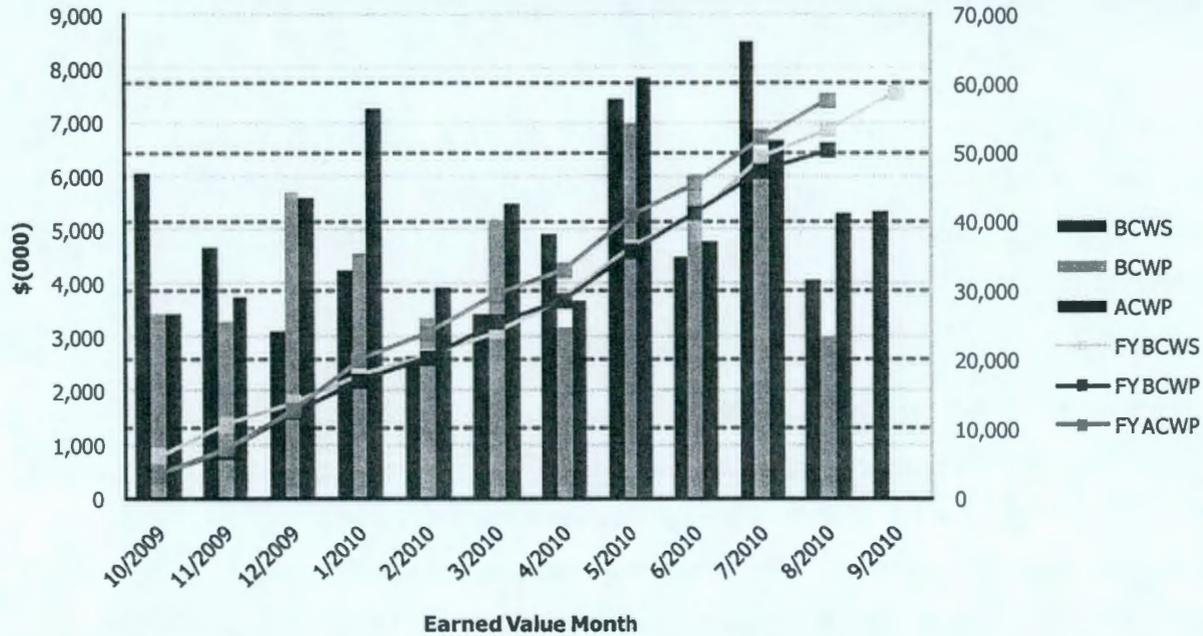
Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

**River Protection
01-D-16A - Low-Activity Waste Facility**

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$6,032	\$3,420	\$3,401	0.57	1.01	\$6,032	\$3,420	\$3,401	0.57	1.01
Nov 2009	\$4,657	\$3,275	\$3,738	0.70	0.88	\$10,689	\$6,695	\$7,139	0.63	0.94
Dec 2009	\$3,082	\$5,679	\$5,577	1.84	1.02	\$13,771	\$12,374	\$12,716	0.90	0.97
Jan 2010	\$4,215	\$4,555	\$7,254	1.08	0.63	\$17,986	\$16,929	\$19,970	0.94	0.85
Feb 2010	\$2,618	\$3,342	\$3,910	1.28	0.85	\$20,604	\$20,271	\$23,880	0.98	0.85
Mar 2010	\$3,428	\$5,165	\$5,459	1.51	0.95	\$24,032	\$25,436	\$29,339	1.06	0.87
Apr 2010	\$4,901	\$3,170	\$3,651	0.65	0.87	\$28,933	\$28,606	\$32,990	0.99	0.87
May 2010	\$7,426	\$6,961	\$7,802	0.94	0.89	\$36,359	\$35,567	\$40,792	0.98	0.87
Jun 2010	\$4,472	\$5,749	\$4,758	1.29	1.21	\$40,831	\$41,316	\$45,550	1.01	0.91
Jul 2010	\$8,474	\$5,969	\$6,654	0.70	0.90	\$49,305	\$47,285	\$52,204	0.96	0.91
Aug 2010	\$4,037	\$2,990	\$5,296	0.74	0.56	\$53,342	\$50,275	\$57,500	0.94	0.87
Sep 2010	\$5,335					\$58,677				
PTD	\$579,865	\$574,795	\$618,329	0.99	0.93					

Analytical Laboratory (LAB) – September 2010 Accomplishments (August 2010 EVM Data)

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 45%, engineering is 81%, procurement is 72%, and construction is 67%.

Engineering

In September BNI issued control logic diagrams for the LAB environmental monitoring system and completed software development for the plant service air (PSA) and breathing service air (BSA) systems. In addition, BNI engineering issued pump pit plate drawings for the C3 and C5 ventilation area drain pits. BNI engineering remains on schedule to complete LAB confirmed design in November 2010.

Procurement

The major procurement activity for the LAB continued to be the autosampling system (ASX) equipment. The project received the two LAB fume hoods for the autosampling system in mid-September.

Construction

Major construction activities in the LAB during September were continued piping installation in the C2, C3, and C5 pits, and continued piping installation for the chilled water (CHW), low-pressure steam (LPS), and steam condensate water (SCW) systems. In addition, Construction made progress on the continuing installation of piping hangers, conduit, lighting, and electrical equipment, as well as on the application of coatings to heating, ventilating, and air-conditioning (HVAC) supports.

Commissioning

BNI LAB Plant Operations completed drafts of two LAB administrative procedures: *Laboratory Waste Management* and *Laboratory Procedure and Method Control*. Three additional administrative procedures are under development: *Laboratory Control of Equipment and Material*, *Laboratory Control of Samples*, and *Laboratory Control of Measurements*.

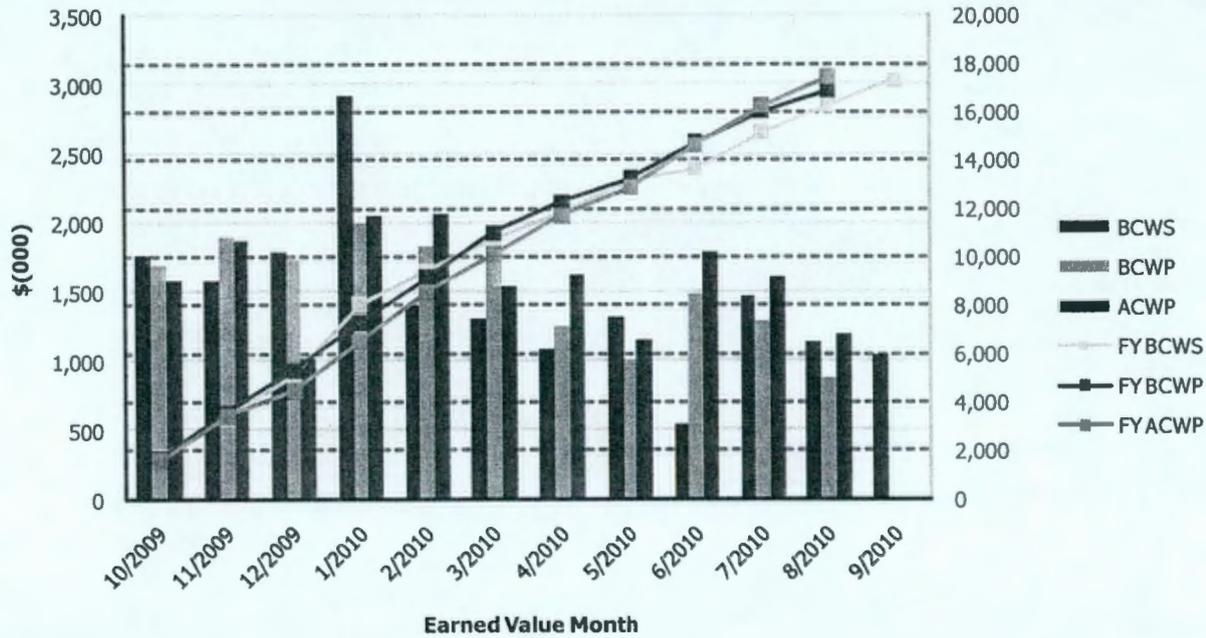
Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

**River Protection
01-D-16B - Analytical Laboratory**

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$1,756	\$1,681	\$1,579	0.96	1.06	\$1,756	\$1,681	\$1,579	0.96	1.06
Nov 2009	\$1,583	\$1,896	\$1,864	1.20	1.02	\$3,339	\$3,577	\$3,443	1.07	1.04
Dec 2009	\$1,779	\$1,735	\$1,015	0.98	1.71	\$5,118	\$5,312	\$4,458	1.04	1.19
Jan 2010	\$2,916	\$1,993	\$2,040	0.68	0.98	\$8,034	\$7,305	\$6,498	0.91	1.12
Feb 2010	\$1,397	\$1,826	\$2,057	1.31	0.89	\$9,431	\$9,131	\$8,555	0.97	1.07
Mar 2010	\$1,296	\$1,881	\$1,539	1.45	1.22	\$10,727	\$11,012	\$10,094	1.03	1.09
Apr 2010	\$1,076	\$1,251	\$1,612	1.16	0.78	\$11,803	\$12,263	\$11,706	1.04	1.05
May 2010	\$1,309	\$992	\$1,145	0.76	0.87	\$13,112	\$13,255	\$12,851	1.01	1.03
Jun 2010	\$541	\$1,481	\$1,786	2.74	0.83	\$13,653	\$14,736	\$14,637	1.08	1.01
Jul 2010	\$1,471	\$1,280	\$1,606	0.87	0.80	\$15,124	\$16,016	\$16,243	1.06	0.99
Aug 2010	\$1,129	\$878	\$1,195	0.78	0.73	\$16,253	\$16,894	\$17,438	1.04	0.97
Sep 2010	\$1,041					\$17,294				
PTD	\$151,348	\$150,402	\$163,312	0.99	0.92					

Balance of Facilities (BOF) – September 2010 Accomplishments (August 2010 EVM Data)

BOF provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete is 46%, engineering is 82%, procurement is 44%, and construction is 59%.

Engineering

Engineering is evaluating the proposal/bid received for the emergency diesel generators. The system description for the heat trace electrical (HTE) system was issued. Confirmed calculations were issued for pressures and temperatures in the Plant Cooling Water (PCW) system and for the domestic (potable) water (DOW) system. A calculation for the reagent transfer line delivery pressure at the wet chemical storage facility (WCSF) was issued. Software development was completed for the chilled water (CHW) system at the chiller compressor plant (CCP). The control and instrumentation (C&I) configuration data index was completed for the DOW system and the plant service air (PSA) system.

Procurement

Procurement activities associated with the ammonia storage vessel continued and culminated with purchase order revisions; these revisions will ensure that adequate materials qualification testing is performed on the vessel materials of construction.

Construction

BNI continued piping and associated cathodic protection system installation for the DOW, PSA, and ammonia reagent (AMR) systems at the anhydrous ammonia storage facility (AASF). Controlled density backfill around PSA piping at the non-dangerous/non-radioactive effluent facility was completed. Work continued on multiple construction activities in the chiller compressor plant (CCP), non-dangerous/non-radioactive effluent facility, and glass former storage facility (GFSF). Installation of the 13.8kV power equipment at the AASF was completed.

Commissioning

BNI BOF Plant Operations prepared an operations/licensing strategy document to address concerns associated with the mobile filtration design for the emergency diesel generator facility.

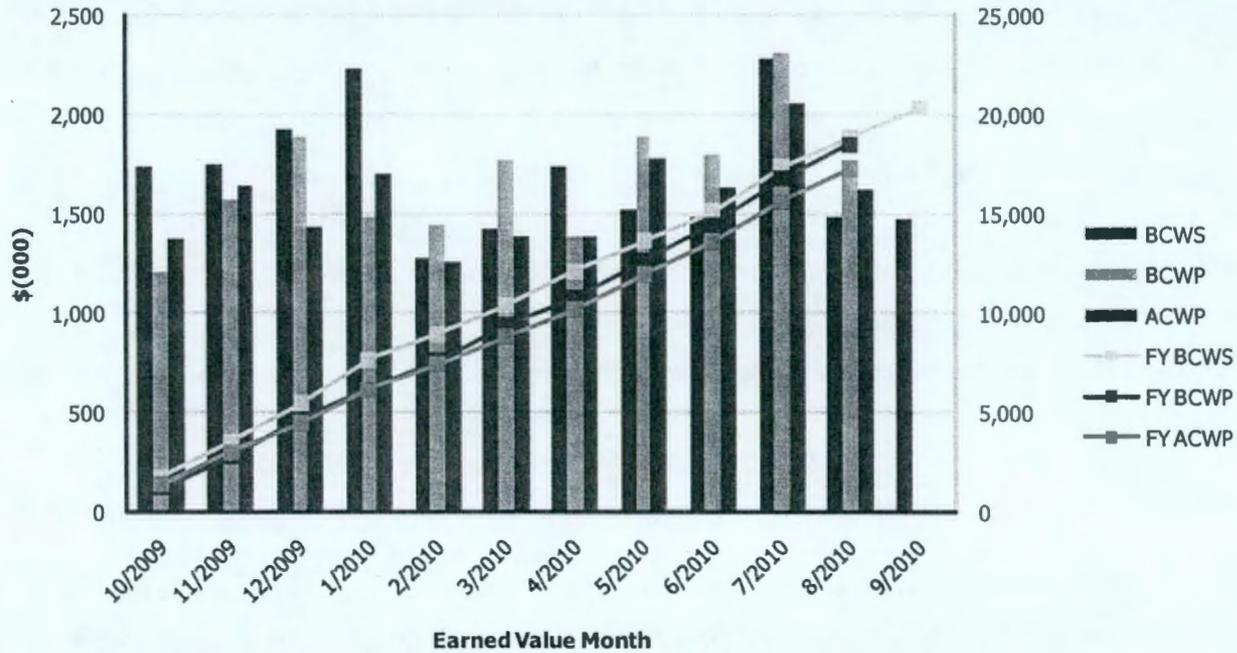
Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

**River Protection
01-D-16C - Balance of Facilities**

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$1,733	\$1,205	\$1,374	0.70	0.88	\$1,733	\$1,205	\$1,374	0.70	0.88
Nov 2009	\$1,752	\$1,567	\$1,636	0.89	0.96	\$3,485	\$2,772	\$3,010	0.80	0.92
Dec 2009	\$1,921	\$1,889	\$1,428	0.98	1.32	\$5,406	\$4,661	\$4,438	0.86	1.05
Jan 2010	\$2,233	\$1,482	\$1,700	0.66	0.87	\$7,639	\$6,143	\$6,138	0.80	1.00
Feb 2010	\$1,279	\$1,442	\$1,258	1.13	1.15	\$8,918	\$7,585	\$7,396	0.85	1.03
Mar 2010	\$1,426	\$1,771	\$1,383	1.24	1.28	\$10,344	\$9,356	\$8,779	0.90	1.07
Apr 2010	\$1,733	\$1,387	\$1,382	0.80	1.00	\$12,077	\$10,743	\$10,161	0.89	1.06
May 2010	\$1,519	\$1,889	\$1,777	1.24	1.06	\$13,596	\$12,632	\$11,938	0.93	1.06
Jun 2010	\$1,481	\$1,800	\$1,630	1.22	1.10	\$15,077	\$14,432	\$13,568	0.96	1.06
Jul 2010	\$2,280	\$2,314	\$2,055	1.01	1.13	\$17,357	\$16,746	\$15,623	0.96	1.07
Aug 2010	\$1,480	\$1,733	\$1,619	1.17	1.07	\$18,837	\$18,479	\$17,242	0.98	1.07
Sep 2010	\$1,471					\$20,308				
PTD	\$232,421	\$231,797	\$230,647	1.00	1.00					

Waste Treatment Plant Project - Percent Complete Status Through August 2010

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	888.5	574.8	65%	212.0	194.4	92%	234.1	184.5	79%	301.6	190.1	63%
Analytical Lab	334.8	150.4	45%	50.2	40.9	81%	56.9	40.8	72%	85.8	57.8	67%
Balance of Facilities	507.7	231.8	46%	70.1	57.8	82%	83.3	36.9	44%	219.8	130.0	59%
High-Level Waste	1,402.2	684.5	49%	322.2	277.0	86%	438.9	252.8	58%	516.5	151.1	29%
Pretreatment	2,258.5	1,049.9	47%	606.6	491.9	81%	643.6	283.1	44%	825.3	270.7	33%
Shared Services	4,667.3	2,973.4	64%	1,067.3	833.0	78%	462.0	312.2	68%	1,343.8	942.6	70%
Undistributed Budget	5.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,064.5	5,664.8	56%	2,328.4	1,895.0	81%	1,918.8	1,110.3	58%	3,292.8	1,742.3	53%

Source: WTP Contract Performance Report

Note: Starting with the June 2009 report, facility Construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase I of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values. In July 2010 the allocation of 1.90 to the facilities was removed to show true facility percent complete.

Old Method

Waste Treatment Plant Project - Percent Complete Status Allocated Through July 2010									
(Dollars - Millions)	Overall Facility Percent Complete Allocated Dollars			Design/Engineering Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	1,701.7	1,207.1	71%	211.2	193.7	92%	301.6	188.1	62%
Analytical Lab	635.4	323.2	51%	50.0	40.8	82%	86.1	57.3	66%
Balance of Facilities	990.3	545.3	55%	70.1	57.5	82%	219.8	128.9	59%
High-Level Waste	2,615.5	1,393.9	53%	322.0	275.3	85%	517.6	148.1	29%
Pretreatment	4,097.4	2,140.0	52%	604.9	487.1	81%	822.7	266.0	32%
Shared Services	incl. above	incl. above	incl. above	1,066.6	828.0	78%	1,343.2	934.3	70%
Undistributed Budget	5.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,045.7	5,609.4	56%	2,324.7	1,882.4	81%	3,291.1	1,722.6	52%

- Methodology for the % completion has been changed in July 2010 for the "Overall Facility Complete" column only
- The old method was at an overall facility level as seen above, Shared Services was allocated across the five facilities.
- The new method keeps Shared Services separate and the other facilities report their facility specific costs for percent complete.

New Method

Waste Treatment Plant Project - Percent Complete Status Unallocated Through July 2010									
(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	887.2	571.8	64%	211.2	193.7	92%	301.6	188.1	62%
Analytical Lab	335.1	149.5	45%	50.0	40.8	82%	86.1	57.3	66%
Balance of Facilities	507.7	230.1	45%	70.1	57.5	82%	219.8	128.9	59%
High-Level Waste	1,392.3	674.2	48%	322.0	275.3	85%	517.6	148.1	29%
Pretreatment	2,252.2	1,036.4	46%	604.9	487.1	81%	822.7	266.0	32%
Shared Services	4,665.7	2,947.5	63%	1,066.6	828.0	78%	1,343.2	934.3	70%
Undistributed Budget	5.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,045.7	5,609.4	56%	2,324.7	1,882.4	81%	3,291.1	1,722.6	52%

**ORP Key Documents List
October 21, 2010**

PERMIT DOCUMENTS										
Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Lead Regulatory Agency	Regulator Lead	Comments/Issues
				Start Date	Completion Date					
		WMA C Closure Conceptual Design	09/30/12			B. Lober	S. Eberlein	Ecology	J. Lyon	
		WMA C Closure Design	TBD			B. Lober	S. Eberlein	Ecology	J. Lyon	Final dates not yet determined
		Tier 1 Framework Closure Plan Update	05/31/12			B. Lober	S. Eberlein	Ecology	J. Lyon	
		Tier 2 WMA C Closure Plan	05/31/12			B. Lober	S. Eberlein	Ecology	J. Lyon	
		Tier 3 Closure Plans for Tanks Already Received	TBD			B. Lober	S. Eberlein	Ecology	J. Lyon	Due 120-day post EIS
		Tier 3 Closure Plans for Additional Tanks	TBD			B. Lober	S. Eberlein	Ecology	J. Lyon	Several Dates in out years
		All Remaining Closure Plans for WMA C	09/30/15			B. Lober	S. Eberlein	Ecology	J. Lyon	
		Submit Part B Permit Application for Selected Supplemental Treatment Technology	09/30/13			L. Huffman	F. Miera	Ecology	J. Lyon	
		Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application	09/30/14			L. Huffman	F. Miera	Ecology	J. Lyon	
		DST Exhausters Notice of Construction and HIA	09/30/11			L. Huffman	F. Miera	Ecology	J. Lyon	
		Supplemental Treatment Technology Notice of Construction	09/30/13			L. Huffman	F. Miera	Ecology	J. Lyon	
		Wiped Film Evaporator Notice of Construction	09/30/14			L. Huffman	F. Miera	Ecology	J. Lyon	
		IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	09/30/12			T. Fletcher	F. Miera	Ecology	J. Lyon	
MISCELLANEOUS DOCUMENTS										
		Process for Coring of an SST	05/30/11				F. Miera	Ecology	J. Lyon	
		Submit Categorical TOC HIA	09/30/11				F. Miera	Ecology	J. Lyon	

¹ Note: "Planned Delivery Dates" are those dates that support future milestones, are submittal dates for Permitting activities, or miscellaneous submittals that support ORP actions. These "Planned Delivery Dates" do not have direct regulatory drivers and may be impacted by budget changes.

Milestone Due Date
 Planned Delivery Date (Non-Milestone)
 Permit Activity-Planned Delivery Date
 Miscellaneous Planned Delivery Date
 Bold Red indicates due date and/or submittal in next 90 days

**ORP Key Documents List
October 21, 2010**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Lead Regulatory Agency	Regulator Lead	Comments/Issues
				Start Date	Completion Date					
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C	M-045-61	Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C	12/31/14			B. Lober	S. Eberlein	Ecology	J. Lyon	
	Provides input for M-045-61	WMA C Characterization Summary 2011	09/30/11			B. Lober	S. Eberlein	Ecology	J. Lyon	
	Provides input for M-045-61	WMA C Characterization Summary 2012	09/30/12			B. Lober	S. Eberlein	Ecology	J. Lyon	
	Provides input for M-045-61	WMA C Characterization Summary 2013	09/30/13			B. Lober	S. Eberlein	Ecology	J. Lyon	
	Provides input for M-045-61	PA Data Package--Numeric Codes	12/31/11			B. Lober	S. Eberlein	Ecology	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C PA Ecological Risk Assessment Data Package	04/19/11			B. Lober	S. Eberlein	Ecology	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C PA Initial Model Run Data Package	12/22/11			B. Lober	S. Eberlein	Ecology	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C PA Initial Document	02/28/12			B. Lober	S. Eberlein	Ecology	J. Lyon	Feeds input for M-045-61 and all Closure Plans
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA C.	M-045-62	Phase 2 Corrective Measures Implementation Work Plan for WMA C	06/30/15			B. Lober	S. Eberlein	Ecology	J. Lyon	
Complete portions of the C-200 Closure Demonstration Plan necessary to complete closure plan development for the SST system.	M-045-80	Description of Radioactive Waste Determination Process	01/31/11			C. Kemp	S. Eberlein	Ecology	J. Lyon	
	M-045-80	RCRA/CERCLA Integration White Paper	01/31/11			C. Kemp	S. Eberlein	Ecology	J. Lyon	
	M-045-80	Tank Removal Engineering Study	01/31/11			C. Kemp	S. Eberlein	Ecology	J. Lyon	
	M-045-80	Evaluation of Alternatives for Removal of Waste from the C-301 Catch Tank	01/31/11			C. Kemp	S. Eberlein	Ecology	J. Lyon	
Implement and Complete All Remaining Activities in the June 6, 2007 C-200 Closure Demonstration Plan (with any revisions as agreed to by Ecology and DOE).	Provides input for M-045-81	Update C Closure Demonstration Plan	TBD (12/31/10)			C. Kemp	S. Eberlein	Ecology	J. Lyon	Feeds input to M-045-81
	Provides input for M-045-81	Pipeline Feasibility Study	01/31/11			C. Kemp	S. Eberlein	Ecology	J. Lyon	Feeds input to M-045-81
	M-045-81	Other Closure Demonstration Deliverables	09/30/14			C. Kemp	S. Eberlein	Ecology	J. Lyon	

¹ Note: "Planned Delivery Dates" are those dates that support future milestones, are submittal dates for Permitting activities, or miscellaneous submittals that support ORP actions. These "Planned Delivery Dates" do not have direct regulatory drivers and may be impacted by budget changes.

Milestone Due Date
Planned Delivery Date (Non-Milestone)
Permit Activity-Planned Delivery Date
Miscellaneous Planned Delivery Date
Bold Red indicates due date and/or submittal in next 90 days

**ORP Key Documents List
October 21, 2010**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Lead Regulatory Agency	Regulator Lead	Comments/Issues
				Start Date	Completion Date					
Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier.	M-045-92	Future Barrier Design 1	06/30/11	TBD		B. Lober	S. Eberlein	Ecology	J. Lyon	
	M-045-92	Future Barrier Design 2	06/30/12			B. Lober	S. Eberlein	Ecology	J. Lyon	
	M-045-92	Future Barrier Design 3	06/30/13			B. Lober	S. Eberlein	Ecology	J. Lyon	
	M-045-92	Future Barrier Design 4	06/30/14			B. Lober	S. Eberlein	Ecology	J. Lyon	
Submit to Ecology as an Agreement Primary Document a Catch Tank "assumed leak" Response Plan.	M-045-100	Cast Tank "Assumed Leak" Response Plan.	TBD [60 days after this M/S is adopted by the Parties]	TBD		S. Pfaff	S. Eberlein	Ecology	J. Lyon	
Submit to Ecology as an Agreement Primary Document a report on all Catch Tanks and associated pipelines that are identified in the SST System Part A, or otherwise used in operations.	M-045-101	Report on all Catch Tanks and Associated Pipelines that are Identified in the SST System Part A, or Otherwise used in Operations.	TBD [60 days after this M/S is adopted by the Parties]	TBD		S. Pfaff	S. Eberlein	Ecology	J. Lyon	
Complete final design and submit RCRA Part B Permit Modification Request	M-062-31-T01	RCRA Part B Permit Modification--Final Design	04/30/16			D. Noyles		Ecology	D. McDonald	
Submit a System Plan to Ecology describing the disposition of all tank waste managed by ORP, including retrieval of all tanks not addressed by the Consent Decree, and the completion of the treatment mission	M-062-40	Supplemental Technologies Report	09/30/12			R. Koll		Ecology	J. Lyon	
	M-62-40A	DOE and Ecology Submit Scenarios (including underlying common and scenario-specific assumptions) to be analyzed in the System Plan	10/31/10			R. Koll		Ecology	J. Lyon	
	M-062-40B	System Plan	10/31/11	TBD		R. Koll		Ecology	J. Lyon	
Complete negotiations every 6 months after the last issuance of the System Plan	M-062-45	Technologies Selection Report (Accelerated from Consent Decree date)	09/30/13			R. Koll		Ecology	J. Lyon	

¹ Note: "Planned Delivery Dates" are those dates that support future milestones, are submittal dates for Permitting activities, or miscellaneous submittals that support ORP actions. These "Planned Delivery Dates" do not have direct regulatory drivers and may be impacted by budget changes.

Milestone Due Date
Planned Delivery Date (Non-Milestone)
Permit Activity-Planned Delivery Date
Miscellaneous Planned Delivery Date
Bold Red indicates due date and/or submittal in next 90 days

ORP Project Managers Meeting
October 26, 2010
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Administrative Record Items

(5 pages including this coversheet)

Meeting Notes

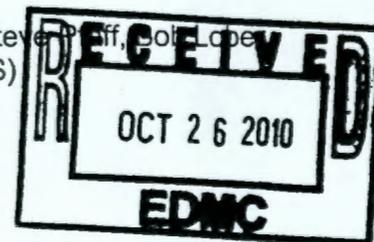
Rep W. H. 10/26/2010
[Signature] 10/26/10

Meeting Date: October 19, 2010

Location: Department of Ecology, Room 3B

Purpose: Define design concept for SX farm interim surface barriers prior to detailed design

Attendees: Jeff Lyon, Michelle Hendrickson (Ecology), Steve Piff, Bob Lopez (ORP), Susan Eberlein, Keith Quigley (WRPS)

**Discussion:**

A design concept was provided for the SX tank farm interim surface barriers and run-off basin. The design concept includes a large evapo-transpiration basin south of the SX farm, and two barriers. The attached figure shows the concept.

The characterization results supporting the design concept were summarized. Characterization in SX farm showed a large plume under the southern part of the farm, extending beyond the tanks themselves to the east and west. Sample results showed maximum levels of technetium-99 in soil samples around 120-125 feet below ground surface. Some soil samples exceeded 1000 pCi/g of Tc-99.

Technical questions were addressed regarding the design concept. It was noted that the presence of two ground water wells between the tank farm and the basin will require special attention. A design requirement will be to ensure that these well cannot provide a preferential flow path for water removed from the barriers.

The proposed schedule for design and construction was discussed. The basin (large enough to accommodate both barriers) will be designed early, and constructed in time to meet the first TPA M-45-92 construction commitment of June 30, 2012. Earlier construction of the basin may be possible if Recovery Act funding is available. The first (southern) basin will be designed to meet the first design date of June 30, 2011, and construction date of June 30, 2012. The second (northern) basin will be designed to meet the second design date of June 30, 2012, and construction date of June 30, 2013.

Integration with possible field tests for vadose zone remediation was discussed. The area that will be covered with the northern barrier represents an excellent site for testing emerging technology for vadose zone soil desiccation and/or Tc-99 removal. Planning is underway to define field tests that could be deployed in FY2011-2012. Note that the sequence of barrier construction was designed to allow these field tests to occur while the first barrier is constructed.

The process and schedule for obtaining approval of barrier designs was discussed. It was not known if the basin design (separate from the barrier designs) would require approval including a public comment period. Ecology requested a schedule showing the estimated times for delivery of designs for the basin and each barrier, and the required

construction start dates to support the TPA milestones. Ecology also requested information on the anticipated barrier sizes.

Meeting participants agreed that the barrier design concept was technically sound.

Action Items:

1. Provide estimated barrier sizes, as well as sizes of T and TY surfaces barriers (Keith Quigley)
2. Determine process and schedule for obtaining public comment on designs (Jeff Lyon)
3. Provide dates for design completion for basin and each barrier, and proposed construction start dates (Keith Quigley)
4. Submit proposed concept (with additional information from actions 1-3) to Ecology management to obtain concurrence that the proposed approach is consistent with meeting TPA milestone M-45-92 for the first two of four additional barriers (Jeff Lyon)

*Proposed approach is approved
d/ly 10-26-10*



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950

October 21, 2010

Mr. David A. Brockman, Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Re: *State of Washington, Department of Ecology v. United States Department of Energy*,
Case No. CT-99-5076, Consent Decree, United States District Court, Eastern District of
Washington (September 30, 1999)

Dear Mr. Brockman:

In accordance with the Order Granting Third Amendment to Consent Decree (Third Amendment) filed September 9, 2003, the interim stabilization consent decree was amended. The amendment held interim stabilization requirements in abeyance for two tanks (S-102 and S-112) listed in Attachment A of the consent decree. The purpose was to allow the United States Department of Energy (USDOE) to accelerate retrieval of those tanks.¹

At the same time, the parties agreed to several milestones under the Hanford Federal Facility Agreement and Consent Order (HFFACO, also known as the Tri-Party Agreement).² Six of these milestones were specifically referenced in the Third Amendment:³

- S-102 Initial Retrieval Project Design per M-45-05B by 5/31/03.
- S-112 Saltcake Waste Retrieval Technology Demonstration Design per M-45-03D by 5/31/03.
- S-102 Initial Waste Retrieval Project Construction per M-45-05C by 3/31/04.
- S-112 Saltcake Waste Retrieval Technology Demonstration Construction per M-45-03E by 3/31/04.
- S-102 Initial Waste Retrieval per M-45-05A by 3/31/05.
- S-112 Full Scale Saltcake Waste Retrieval Technology Demonstration per M-45-03C by 3/31/05.

¹ These tanks were also removed from the calculation of the consent decree September 30, 2003, deadline regarding "percentage of pumpable liquid remaining to be removed" by that date.

² See HFFACO Change Number M-45-03-01 (September 11, 2003).

³ The dates for several of these milestones were subsequently amended. See HFFACO Change Numbers M-45-04-05 (January 10, 2005) and M-45-05-01 (August 1, 2005).



Mr. David A. Brockman
October 21, 2010
Page 2

All of the referenced milestones for Tank S-112 have been completed, satisfying USDOE's obligation to complete interim stabilization of this tank under the terms of the Third Amendment.⁴

Two HFFACO milestones for Tank S-102 have been completed: M-45-05B (Initial Retrieval Project Design) and M-45-05C (Initial Waste Retrieval Project Construction).⁵ However, milestone M-45-05A (Retrieval of Tank S-102) was not completed by the milestone date of March 31, 2007. Consequently, Ecology has determined to exercise the authority provided by the following provision of the Third Amendment:

"In the event that DOE fails to complete one or more of the above HFFACO milestones by the required date, Ecology may not seek enforcement under this consent decree of the above HFFACO milestones. Rather, at Ecology's option, the requirement for interim stabilization of [tank] S-102 . . . will no longer be in abeyance, and DOE will be required by this Decree to complete interim stabilization of the subject tank(s) within 18 months of Ecology's written notification of its election."

USDOE failed to complete HFFACO milestone M-45-05A by the required date. This letter constitutes Ecology's written notification of its election under the Third Amendment to require USDOE to complete interim stabilization of Tank S-102 within 18 months of USDOE's receipt of this written notification.

We understand that you believe you have completed interim stabilization and invite you to submit your documentation for our review. If there are any questions regarding this letter, please contact Cheryl Whalen at 509-372-7972.

Sincerely,



Jane A. Hedges
Program Manager
Nuclear Waste Program

cc: Dennis Faulk, EPA
Stacy Charboneau, USDOE
Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN
Susan Leckband, HAB

Ken Niles, ODOE
Cheryl Whalen, Ecology
Administrative Record
Environmental Portal
USDOE-ORP Correspondence Control

⁴ The Office of River Protection (ORP) declared milestone M-45-03C completed on December 21, 2007, (07-TPD-066) and declared Tank S-112 interim stabilized on July 6, 2005 (05-TOD-050). ORP notified Ecology that milestone M-45-03D was completed by letter dated May 22, 2003, (03-TPD-048) and that milestone M-45-03E was completed by letter dated November 7, 2003 (03-TPD-112).

⁵ ORP notified Ecology that HFFACO milestone M-45-05B was completed by letter dated May 22, 2003, (03-TPD-048) and that M-45-05C was complete by letter dated March 5, 2005 (04-TPD-027).