0091453

ORP Project Managers Meeting
September 27-28, 2010
2440 Stevens Ctr.
Richland, Washington

Meeting Minutes Transmittal

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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
J.W. Donnelly	WRPS	R1-51
J. J. Luke	WRPS	R1-51
P. E. Peistrup	WRPS	R1-51
S. L. Moore	MSA	H7-28
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Please send comments on distribution list to Woody Russell (Woody_Russell@orp.doe.gov).

ORP Project Managers Meeting
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2440 Stevens Ctr.
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Meeting Minutes Transmittal

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: 10-26-10

Chris Kemp, DOE-ORP — Date: 10-26-10

Wahed Abdul, DOE-ORP — Date: 10/26/10

Jeff Trent, DOE-ORP — Deputy FPD HLW — Date: 10-26-10

Gary Olsen, DOE-ORP — Date: 10-26-10

J. Lyon, Project Manager,
Washington State Department of Ecology — Date: 10-26-10

J. D. McDonald. Project Manager,
Washington State Department of Ecology — Date: 10-26-10

Purpose: ORP Project Managers Meeting

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ORP Project Managers Meeting
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1.0 Administrative Items

Previous meeting minutes approval: The June 22, 2010, and July 26/27, 2010, Project Managers Meeting (PMM) minutes were approved.

WMA-C Work Plan Revision Process Meeting Minutes Approval: The August 4, 2010, meeting minutes were approved.

Consent Decree (CD) Approval Implementation Status: The CD is in ORP legal and upper management review. The anticipated target date for filing the CD with the court is October 6, 2010, with implementation of the new milestones following shortly thereafter. ORP made a commitment to transmit to Ecology and the state of Oregon the status of the CD milestones on a monthly basis. The milestone status will be sent with the draft PMM minutes a week before each PMM. ORP has an action to provide the revised TPA Project Summary format to the regulators for review and comment (see Action 100-203).

Acton 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 September 27-28, 2010, PMM is provided as Attachment B. The Monthly Milestone Review Meeting Status Report and handouts are provided as Attachment C. The draft status report was provided to Ecology electronically on September 21, 2010. No comments were received.

The next PMM is scheduled for October 26, 2010.

The next Quarterly Milestone Review Meeting is scheduled for November 18, 2010.

<u>Administrative Record Items (Attachment D)</u>

The following sets of meeting minutes were identified to be entered into the Administrative Record: June and July 2010 PMMs, and the August 4, 2010, meeting on the WMA-C RFI-CMS Work Plan.

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

(NOTE: The Tank Farms scope of the meeting was held on September 27, 2010, due to scheduling conflicts.)

Tank Farms

M-45-55: This milestone has been recorded as complete via the July 2010 PMM minutes and it will be removed from this report.

M-45-56F: ORP and Ecology continue to operate to the commitments established during the June 9, 2010, annual meeting. ORP noted that the April 6, 2010, meeting minutes to discuss S/SX characterization results for potential barrier placement cannot be located in the Administrative Record (AR), and ORP will ensure that signed minutes will be submitted to the AR. **ORP established an action to schedule a meeting with Ecology to discuss the ongoing work in SX design**. (Action 100-202) Decommissioning of some groundwater wells to the south of SX where a proposed basin is going in will also be a topic for discussion and disposition during the meeting.

M-45-58: Ecology requested an extension to October 29, 2010, to address ORP's response to the Phase 2 CMS Master Work Plan.

M-45-60: The WMA-C Work Plan and SAP have been approved and submitted to the AR. A process for regular meetings has been established to discuss potential changes to the work plan, and a meeting was held in September 2010. ORP inquired about EPA involvement in those monthly meetings. Ecology indicated that information has been sent to EPA, with no response. ORP will contact EPA during the Performance Assessment (PA) meetings that are being held this week to extend an invitation to attend the monthly work plan meetings.

Ecology asked if ORP had received any correspondence from the tribes or other stakeholders regarding the work in WMA-C. ORP stated it received an e-mail from the tribes about obtaining archived pre-1974 logs for the dry wells in C Farm. ORP is preparing a response to the tribes. Dry well data for C-101 has been secured through the archive process and identified to the tribes. ORP stated that there are no pre-1974 dry wells associated with C-105. Ecology noted that at the beginning of John Broeder's report, which includes a review of all the dry well logs, a summary was given for the area around C-105. The information on C-105 was reportedly gained through a search in the archive building. Ecology offered to send the report to ORP. ORP and Ecology agreed that there is very little information of value on pre-1974 C-105 dry wells.

There was an additional inquiry that the tribes made through the last PA workshop, which was addressed in the work plan responses to the tribes. ORP is maintaining its joint ORP/Ecology response to the tribes that the validity of cobalt as a tracker does not have technical consensus, especially given the number of waste streams and source terms in C Farm. The response that ORP is providing to the second tribe inquiry is that the infrastructure and the footprint to drive a larger hole for Spectral Gamma Logging System deployment is very difficult to get in for C Farm in the areas of interest.

Significant Accomplishments:

- The TY interim barrier was completed September 14, 2010, and was handed off to operations through a checklist process.
- The data analysis of 3-D SGE survey of UPR-86 was completed and released to Ecology.

- The analysis of the time-domain electromagnetic induction for pipelines has been completed and is available for review. Ecology asked if the analysis will be used for the area around E-27-23. ORP responded that it is still early in the technology development phase, and further work is planned in an effort to gain better resolution and to be able to discriminate what is located underground.

Significant Planned Actions in the Next Six Months:

- ORP stated that the second phase of the beta probe evaluation that was done at INEL has been published, and the results are very promising. Resolution of detector capability was looked at. Potassium as background was filtered out with the new detector design, and the overall detection resolution was dropped from 100 picocuries to one picocurie. ORP indicated that it is ready to set up a meeting to discuss the results.

M-45-00 Milestone Series:

There were no changes to this series of milestones from last month's PMM and the reporting in the last quarter. These milestones are to be missed, and will be changed to the CD milestones.

Significant Accomplishments:

- Removal of the surface equipment in C-107 is ongoing. The saltwell pump and screen are scheduled for removal at the end of this week.
- Construction of the Columbia Test Center for testing of the Mobile Arm Retrieval System (MARS) sluicing system is ongoing, and Ecology is taking a tour of the center today.
- Testing of the Fold-Trak at the Cold Test Facility was completed this month.
- Pouring of the slabs and test domes at Cold Test North have been completed, and the start of the cuts are scheduled for this week.

Issues:

Ecology inquired about a time frame for revising the Project Summary provided at these PMMs to reflect the new milestones in the CD, which is anticipated for approval in early October 2010. MSA stated that a draft document has been prepared and is in ORP Legal for review. Ecology requested a review of the document before it is finalized to be able to provide input, noting that this is a joint meeting. **ORP took an action to provide Ecology a date to review the revised TPA Project Summary**. (Action 100-203)

<u>C-Farm Life-Cycle Baseline:</u>

An updated version of the C-Farm retrieval flow chart was provided, which reflects the budget change review that was approved last month. The primary changes are the hard-to-retrieve heel samples for tanks C-101, C-102 and C-105, which were all scheduled in 2014. C-101 is now moved forward, and C-102 and C-105 are scheduled for the end of 2014. Some of the technical

sequences have changed slightly. It was noted that AY-101 will not be used as a receiver tank in C-Farm.

Tank 241-C-106:

ORP noted that the NRC has agreed that some of its questions cannot be answered until the planned activities for the entire C-Farm are published.

Issues:

Ecology asked if milestones M-45-13 and M-45-15 will remain in the CD. ORP stated that those two milestones were in the proposed CD. ORP maintains the position that retrieval of C-102 should be delayed until more experience is gained in retrieving hard-to-retrieve heels. ORP noted Ecology's position is if C-102 is delayed, it should be replaced with another tank.

Interim Stabilization Consent Decree:

ORP stated that the Consent Decree is expected to be signed in early October 2010, and following that the S-102 interim stabilization package will be released to Ecology.

In Tank Characterization and Summary:

ORP noted a correction from last month's reporting that A-350 had been sampled. A-350 is scheduled to be sampled tomorrow (9-28-10). ORP also noted that the C-110 offriser hard heel sampling has been completed, which will aid in hard heel removal planning for that tank. ORP stated that all five of the BBI updates have been completed. Ecology requested a review of the DQO for the hard heel dissolution when it is completed. **WRPS took the action to provide the hard heel dissolution information DQO to Ecology. Note: the DQO is scheduled to be completed in December 2010**. (Action 100-204)

242-A Evaporator Status:

Ecology asked if the updated retrieval schedules have been coordinated with the Evaporator schedule. WRPS stated that the Evaporator schedule was updated this month; however, it may be updated shortly, due to the baseline change request that was signed last week. **WRPS took an action to provide Ecology an updated schedule for the Evaporator**. (Action 100-205) Ecology inquired about the assumptions for the volumes projected for evaporation. ORP stated that the Evaporator schedule contains the details on the volumes.

M-62-40, Tank Waste System Plan:

Regarding System Plan 5, ORP reported that comments were received from WRPS following the last TPA monthly milestone meeting. The comments have been dispositioned and WRPS has been made aware of the few exceptions to the dispositions. System Plan 5 is currently in ORP review and approval.

ORP stated that Ecology has submitted draft assumptions for System Plan 6. Ecology has met with ORP several times and conferred with WRPS technical staff in a coordinated effort to develop its assumptions. Ecology is planning an internal review of comments to include in the assumptions, and then meet with ORP this week. Next month ORP and Ecology are planning to schedule weekly meetings to review and discuss all of Ecology's assumptions. The meetings will begin with WRPS providing a modeling review of System Plan 5 so that all of Ecology technical staff has an understanding how that played into following through with System Plan 6. ORP expressed appreciation to Ecology for its support.

FY 2010 ORP TPA Cost & Schedule Performance

ORP reported that most of contract-to-date unfavorable schedule variance is due to resequencing work to more critical path work with Recovery Act funding. ORP noted that the schedule performance indicator (SPI) and cost performance indicator (CPI) for FY-to-date are at a positive 1.01 and 1.10 respectively. Through Recovery Act funding, a tremendous amount of savings has been generated in the work that WRPS has done. That has created a buy-back process, which will be applied to additional work.

Ecology inquired about the C-104 retrieval operations being halted, and if equipment is still being installed to move the obstruction in the bottom of the tank. ORP stated that the articulating mast system that will be installed in C-104 is currently being tested. The plan is to get C-104 back in retrieval in December 2010. Regarding SST Integrity Project, Ecology asked if core samples have been taken. ORP responded that it is in the planning phase of coring the side wall of the tank, and that core samples have not been taken.

Ecology then asked what savings have been realized if the core sample has not yet been drilled. ORP explained that the savings have been realized through in-staff, versus subcontractors, doing research and studies. As the SST integrity project moves forward, cost efficiencies will periodically be reviewed, and if necessary, WRPS will adjust the estimates. Ecology pointed out that the report states additional savings were realized with completion of the samples, which indicates the samples were taken. ORP acknowledged that was an error in reporting.

Ecology inquired about the WFD PE/Flow Sheet lack of contract support and staff vacancy. ORP responded that the staff and subcontract vacancies reported were primarily for 2009 and into 2010.

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

ORP reported no change in the status of these milestones. They are being revised in anticipation of the CD approval.

TPA Milestone Statistics:

ORP stated that all of the milestones will be updated and carried forward from FY 2010 and FY 2011. Milestones previous to 2010 will not be carried.

Waste Treatment Plant - (**NOTE:** The WTP meeting was held on September 28, 2010)

The Defense Nuclear Facilities Safety Board (DNFSB) has scheduled a public hearing October 7-8, 2010 in the Tri-Cities to address safety-related aspects at the WTP.

The Construction Project Review (CPR) meeting is scheduled for November 2-4, 2010. One of the main topics will be to provide an update to the forecast update that was done in the spring. More detail on resolution/implementation of all the technical issues will be incorporated into the forecast update (forecast update 4).

Pretreatment Facility

ORP reported that the cost and schedule variance for the last three to four months is trending downward. The September 2010 SPI and CPI are below a 1.0. One of the contributing factors is in construction, where some of the big wall lifts haven't been done. However, in October 2010 the 5th lift wall is scheduled to start, which will improve the negative schedule variance.

The welding of the lateral bracing for the hot cell crane rail has been a challenge, and there are weld issues that need to be addressed. The recovery schedule for the HVAC is progressing. Engineering is behind schedule due to the technical issues resolution; however, it is anticipated that after the issues resolution is incorporated into forecast update 4, the schedule will begin to recover. The analysis and fabrication for vessel installation is still critical path.

ORP invited Ecology to its monthly meeting for special topics briefing on October 13, 2010, to discuss the M3 vessel mixing issue. Ecology requested a meeting with ORP before the October 13 meeting to discuss the issue. Ecology stated that it has an interest in ORP's engineering redesign due to the large scope for the permitting process that will be required.

Additional testing of the non-Newtonian vessel is scheduled for November 2010. It will take 3-4 weeks to obtain the simulant to be used in the testing. The BNI/ORP issue resolution team is meeting tomorrow to come to agreement on the test path forward and the simulant to be used. The agreements will be a follow-up to the residual risks and recommendations in the M3 closure package for the non-Newtonian vessel. Ecology will be notified when the testing commences.

The hot cell crane is anticipated for receipt on October 6, 2010. It will take 4-6 weeks to set up the crane.

High Level Waste

ORP stated that the total risk for critical path activities has increased this last month due to some slip in activities, but no dates are expected to be missed.

The HEPA filter housing seismic analysis, which started in March 2010, is now projected to be completed by the end of October 2010. The finalization of design drawings and start of fabrication cannot be completed until the seismic analysis is done; however, there is enough information to go forward with ordering materials, and there is no concern about completing fabrication on time. The filter housings need to be delivered by August 2011 for installation in September 2011. The first delivery is anticipated for March 2011. There are several weeks of float in the schedule.

The large bore duct pipe is projected for delivery in January 2011, and there is no float in the schedule.

Last month, three of six planned concrete placements were completed. Six concrete placements were planned for September 2010, and by November 2010 ORP expects to get back on track.

There was a positive schedule performance for the month of August 2010 driven by early delivery of steel and pipe. There was a negative cost performance due to engineering work that is out of budget. That variance is being worked off and by the end of the calendar year 2010 it should all be worked off. A Request for Equitable Adjustment (REA) from Oregon Ironworks was recently negotiated and accounted for, which created a cost overrun. Ecology noted that the CPI has been below a 1.0 for some time, and asked if there was a plan to recover. ORP stated that the factors contributing to the cost variance include the engineering work, which is being worked off; the steel pricing, which has been renegotiated; and the filter cave and melter cave, which were planned to be overspending now because they were underspent earlier in the lower sections of the building. The CPI is anticipated to be close to a 1.0 next year.

Low Activity Waste Facility (LAW)

Ecology inquired about the discrepancy reported in overall facility complete, noting that the last two months reported 70 percent complete, and now it is reporting 64 percent complete. ORP pointed to the percent complete table on page 70 of the handout, which more accurately reflects the facility today. The shared services account contains a significant portion of the whole project's budget. When ORP was originally reporting facility percent complete, the number from shared services progress was allocated towards the five facilities and factored into

the percent complete. Starting in July 2010, the shared services budge is no longer being allocated into the facility percent complete.

Ecology pointed out that this is an accounting change that will significantly affect how Ecology tracks percent complete and all of the projections and plans. ORP noted that the only difference is facility complete, whereas the total WTP of 56 percent complete stays the same. ORP stated that the earned value management system (EVMS) numbers don't change, and the individual engineering, procurement and construction numbers don't change because they were always unallocated. ORP pointed to the last sentence in the note on page 70, which states: in July 2010, the allocation of 1.90 (shared services) was removed to show true facility percent complete.

Ecology asked which month's data is being reported, and ORP stated this is August data. Ecology noted that May and June data was reported, but not July. ORP is attempting to provide the most up-to-date information, and will provide July data to Ecology. ORP agreed to provide Ecology a recreated table to show what changed due to the change in accounting.

ORP stated that it has begun initiating the permitting process for shipment of the melters through the state of Montana. Washington, Idaho and Utah have accepted the shipping procedures. ORP is meeting with Ecology to discuss the shipping schedule and to address Ecology's concerns regarding shipping risks. ORP provided a shipping drawing for the truck, trailer, and melters. When the melter is on the truck the dimensions are 30 feet long, 21 feet wide, and 17.9 feet tall, with a total weight of 560,000 pounds. The truck will travel 20 miles per hour during the night with a full police escort, and stop every ten miles.

ORP reported that performance has not been acceptable for the last couple of months due in large part to planned equipment. An REA for $900,000 was received from the melter manufacturer in August, which is one reason why ORP is moving to ship the melters out of their shop. Another area of concern performance-wise is construction subcontracts, mostly driven by completion of partition walls. In areas where there is a lot of interference with scaffolding or pipes and ducts, the work is slowed down substantially.

Ecology inquired about the progress on the turntable for the canisters. ORP explained that the glass canisters in the pour cave fit into what looks like a big cuff that was originally designed to have insulation. It was recognized that the heat from glass canisters couldn't escape, and Energy Solutions was contracted to do remodeling of the cuff. ORP just received a draft report, and there are some modifications that will have to be made. Worst case is the cuffs would have to be rebuilt out of a different material, which is being decided at this point.

Analytical Laboratory (LAB)

Good progress is being made in LAB and there are no significant technical issues. The automatic sampling system (ASX) equipment for the LAB has been received, and is scheduled to be installed next year. A number of factory acceptance tests were observed for the ASX and those were all successful. Piping is 80 percent complete.

The cost and schedule performance was down slightly, mainly due to the ASX. No future cost challenges are foreseen. There are two large subcontracts to be awarded. One subcontract encompasses the finishing touches, from lockers to toilets. The second subcontract is for high curie gasses that are used for the analytical instruments.

Balance of Facilities (BOF)

One activity associated with the emergency diesel generator (EDG) facility is looking at the natural phenomenon hazard of ashfall. A meeting is scheduled this week to review Bechtel's proposal to address the issue.

ORP is in the procurement process for the EDG and the current bid has presented a challenge to the budget. A special team has been assigned to review all the specifications, and the bid package, and to ensure the vendor has not added in some additional risk in the proposal. Two five megawatt generators are to be procured.

One area of focus in BOF is identifying all the control instrumentation pieces, which are some of the last procurements.

Cost and schedule performance is doing well. The SPI is a .98, mainly attributable to the glass former storage buildings, but they are coming along well.

Ecology inquired about the process if the LAB is completed early. ORP and Bechtel have been working with two schedules, the baseline schedule and the current working schedule. Bechtel has moved some dates up for BOF completion activities in their current working schedule, which was an attempt to address issues that were brought up in the construction project review regarding the operational readiness reviews (ORR). An ORR is a rigorous process that is considered better conducted sequentially. ORP stated that there are also options being considered if LAW is completed ahead of schedule.

3.0 Agreements:

There were no major agreements established.

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Attachment A: Action Tracking

(3 pages including this cover sheet)

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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.

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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	Closed: 10-14-10 Draft Project Summary format sent to Ecology for review and comments.
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

(4 pages including this coversheet)

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ATTENDANCE LOG

DATE: September 27, 2010 PURPOSE: ORP Manager's Monthly Milestone Review Meeting

NAME	ORG.	PHONE #
JOHN D LONG	ORP	376-5416
Jeremy Johnson	ORP	376 1866
Mike Barnes	Ecology	372-7927
Janet Diediker	ORP	372-3043
Jack Donnelly	WRPS	373-2119
Jeff Luke	WRPS	376-8629
Michelle Hendrickson	ECY	372-7970
Jeffery J. Lyon	Ecology	539-1996

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NAME	ORG.	PHONE #
JAMES J. LYNCH	ORP	376-4170
ROB PILBOO	MSA	373-3235
Jennifer Ollero	MSA	373-0275
Kathy Knox	Knox Reporting	946-5535
Sonya Moore	MSA TPA	942-3320
Chris Kemp	ORP	373-0649
Kitty Bryan	ORP/MSA	205-8457
[illegible]	ORP	[illegible]
Bob Lobee	ORP	373-7949
Steve Pfaff	ORP	438-0417

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DATE: September 28, 2010 PURPOSE: ORP Manager's Monthly Milestone Review Meeting

NAME	ORG.	PHONE #
Dan McDonald	Ecy	372-7988
DAVID MEARS	ECY	372-7899
Jennifer Ollero	MSA	373-0275
ROB PIIPPO	MSA	373-3285
Kathy Knox	Knox Reporting	946-5535
Tonya Moore	MSA TPA	372-3320
WAHED ABDUL	WTP	438-0455
Gary Olsen	WTP	438-4707
James LYNCH	ORP	376-4170
Woody Russell	ORP	373-5227
Tracy Gao	Ecology	372-7901
Jeff Trent	DOE	205-7116

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Attachment C: Presentation Materials

ORP TPA Project Summary and Handouts
(70 pages including this coversheet)

Office of River Protection

Tri-Party Agreement
Monthly Milestone Review Meeting
September 28, 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
September 27/28, 2010
9:00 a.m. – 10:00 a.m. and 10:00 a.m. – 11:00 a.m.

Page	Topic	Leads	Time
Monday, September 27, 2010 (2440/1600)			
3	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:00
6	M-45-00, Complete Closure of All Single-Shell Tank Farms	Chris Kemp / Jeff Lyon	9:15
18	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:35
19	In Tank Characterization and Summary	John Long / Michael Barnes	9:40
21	242-A Evaporator Status	Glyn Trenchard/ Jeff Lyon	9:45
XX	M-62-40, Tank Waste System Plan	Ron Koll / Dan McDonald	9:50
22	FY 2010 ORP TPA Cost & Schedule Performance	Janet Diediker / Dan McDonald /Jeff Lyon	10:00
51	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Glyn Trenchard / Michelle Hendrickson	10:15
52	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	10:20
53	M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Glyn Trenchard / Dan McDonald	10:25
30	TPA Milestone Statistics	Woody Russell / Dan McDonald / Jeff Lyon	10:30
Tuesday, September 28, 2010 (2440/1200)			
30	TPA Milestone Statistics	Woody Russell / Dan McDonald / Jeff Lyon	10:30
55	WTP - BNI Cost & Schedule Performance for Immobilization Plant Project	Wahed Abdul /Jeff Trent / Gary Olsen / Dan McDonald	10:40

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. 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 Continues.
- Final activities will be completed early in September.
- 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.
- Continued 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.
- Continued analysis of 3-D SGE survey of SE portion of S farm.
- Continued 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.

III. Significant Planned Actions in the Next Six Months:

- Continue direct push campaign in C Farm.
- Continue direct push campaign in BY Farm, supporting Interim Barrier Design and Placement.
- Complete data analysis of SGE data collection at UPR-86 site in C Farm.
- Complete construction of an interim surface barrier at TY farm.
- Continue remedial technology assessments in support of a Corrective Measures Study for WMA C.
- Process the TPA change with the updates to the WMA C work plan.
- Perform additional updates to WMA C RFI/CMS workplan based on requested changes from Ecology.
- Continue design of interim surface barrier for SX farm.

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

- Completed C-111 Operational Acceptance Testing
- Completed installation of the replacement AN-101 supernatant pump.
- Completed C-111 Operational Readiness Activities
- Continued fabrication of articulated mast system (hydraulic arm) in C-104 and started testing at the Cold Test Facility.
- Commenced with removal of equipment from C-107.
- Completed physical tie-in of C-107 to the POR-003 exhaust system.
- Completed sampling of the C-110 heel.
- Continued testing of a MARS sluice educator system at Columbia Energy in Pasco and continued construction of the Columbia Test Center for testing of the MARS sluicing system.
- Finished procurement of the Fold-Trak.
- Continued design activities for C-112 sluicing system.
- Finished pouring slabs and test domes at Cold Test North.

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 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.
- Initiate C-111 retrieval.
- 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.

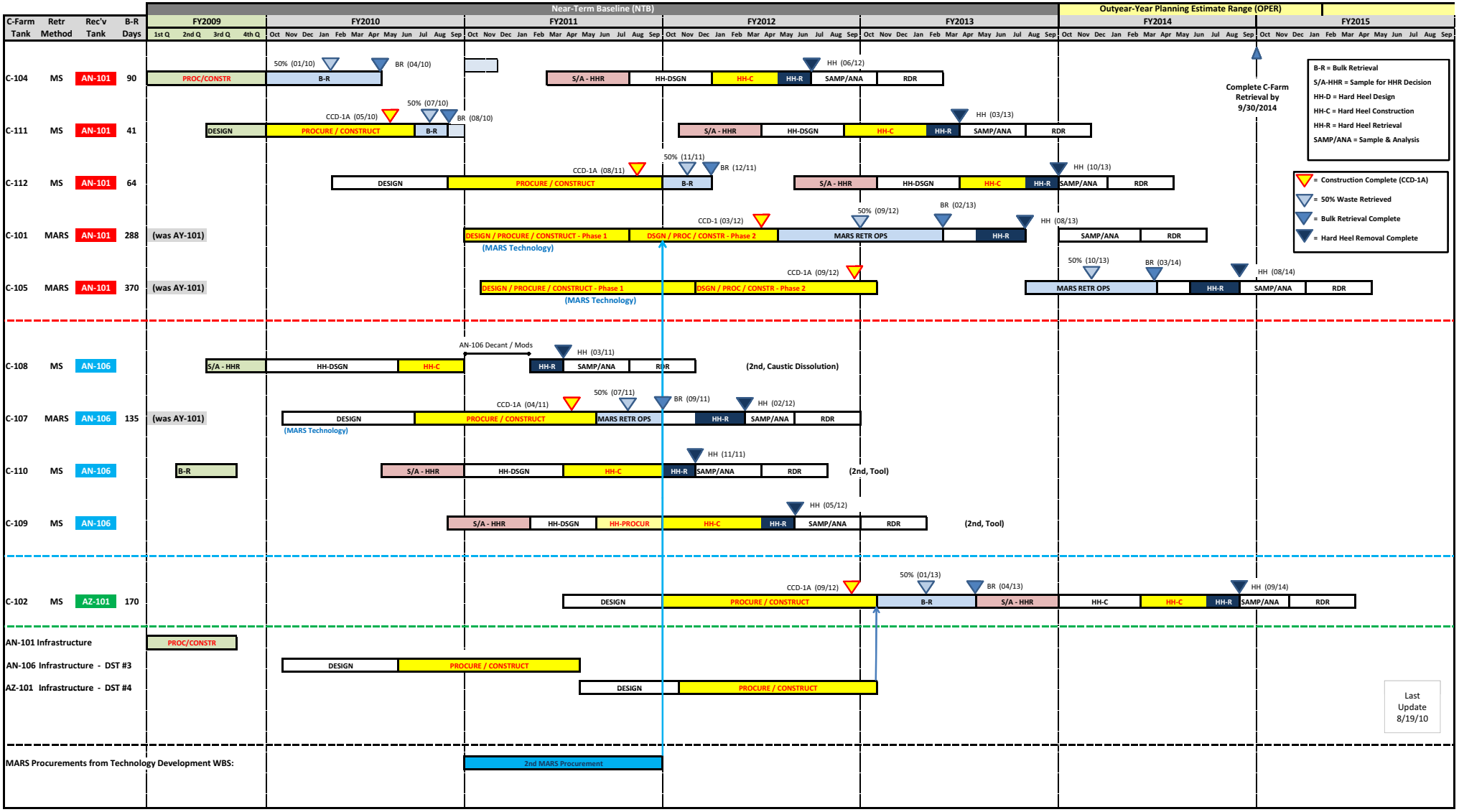
IV. Issues

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.

C-Farm Retrieval
Reflects Baseline Schedule (10/01/10)

9/24/2010



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 until180 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 until180 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 August 1 – August 31, 2010:

I. Accomplishments:

- Completed revision 0 of RPP-RPT-47238, *Final Report for Tank 241-AN-107 Liquid Grab Samples Collected in Support of Corrosion and Compatibility Programs*, on August 16, 2010.
- Completed revision 0 of RPP-RPT-46182, *Final Report for Tank 241-AZ-101 Liquid Grab Samples in Support of Corrosion Mitigation Program*, on August 19, 2010.
- Completed revision 0 of RPP-RPT-47254, *Final Report for Tank 241-AN-101 Grab Samples Collected in June 2010 in Support of Corrosion Mitigation During Tank 241-C-104 Retrieva,* on August 30, 2010.
- Completed revision 0 of RPP-PLAN-46128, *Sampling and Analysis Plan for Portable Exhauster POR-008 Filters*, on August 17, 2010.
- Completed revision 0 of RPP-47073, *Data Quality Objectives for Selecting Waste Samples for the Bench Steam Reformer Test*, on August15, 2010.
- Completed revision 0 of RPP-RPT-47306, *Aluminum in Saltcake and Sludges in All Non-Retrieved Single-Shell and Double-Shell Tanks on a Tank-by-Tank Basis*, on August 27, 2010.

II. Planned Action within the next Six Months:

- Tank Sampling
  - Tank 241-A-350 compatibility and closure scheduled for September 2010.
  - Tank 241-C-110 off riser sampling scheduled for September 2010.
  - Tank 241-C-109 off riser sampling scheduled for October 2010.
  - Tank 241-C-108 off riser sampling scheduled for January 2011.
  - Tank 241-AN-103 corrosion mitigation grab samples scheduled for November 2010.
  - Tank 241-AN-104 corrosion mitigation grab samples scheduled for January 2011.
  - Tank 241-C-111 off riser sampling scheduled for January 2011.

- BBI Updates
  - Five tank updates are scheduled for FY10 Quarter 4.
    - Four (241-T-112, 241-AW-102, 241-AY-101, and 241-AW-102) of the five updates were completed and the last one (241-AN-101) has been started.

- Data Quality Objectives (DQO)
  - Complete revision 11 of the Chemistry Control DQO in September 2010.
  - Complete revision 18 of the Compatibility DQO in October2010.
  - Complete revision 3 of the PCB Management DQO in October 2010
  - Complete revision 0 of the Hard Heel Dissolution 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 AP-107 and AZ-102. Slurry tanks will be AP-104/AP-107.
- FY12. 1 campaign with feed from AY-101 and slurry to AP-107. This campaign replaces a Cold Run in the baseline.

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 processed approximately 2.1mgal of DST waste achieving 948kgals (45%) waste volume reduction.
FY09	09-02	AP-101/ AP-105	AP-104/ AP-101	
FY10	10-01	AW-106	AW-106	Planned waste processing start August 2010. Campaigns 10-01 and 10-02 will be performed back-to-back. Campaign 10-02 represents an acceleration of baseline Campaign 11-01. Campaigns renamed based on FY sequence.
FY10	10-02	AW-106	AW-106	
FY11	11-01	AP-107	AP-104/ AP-107	Planned start July 2011.
FY12	12-01	AZ-102	AP-017	Planned start March 2012.
FY13	13-01	AY-101	AP-017	Planned start March 2013.

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

PROJECT PERFORMANCE

WRPS June Project Performance - ($k)								
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	41,980.7	41,065.3	33,057.5	(915.4)	8,007.8	0.98	1.24	
FYTD	308,133.0	310,727.3	283,323.1	2,594.2	27,404.2	1.01	1.10	472,924.2
CTD	594,872.7	588,002.0	544,990.7	(6,870.7)	43,011.3	0.99	1.08	2,066,200.2
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 current month (CM) schedule variance (SV) for the TOC is ($915.4k) and the contract to date (CTD) schedule variance (SV) is ($6,871). Earned value schedule performance stabilized in June and reflects a significant improvement and upward trend over May as a result of the Recovery Plan most recently discussed and agreed to with ORP. Per the Plan, near term critical path work, including emergent scope items, are proceeding toward recovery. Significant favorable progress was achieved in June on SST Retrieval and Closure activities for C-111 retrieval and C Farm trailers. Base Operations work stabilized and also showed a favorable schedule variance. Some non-critical path baseline work has been impacted by recovery, but corrective action has been taken to implement an off-critical path work shift. Also, agreement has been reached with ORP to re-plan some of the affected non-critical path work to FY11. The schedule variance is also being adversely affected, as expected, by the current month give-back of performance on FY10 accelerated work completed early this year.

While the fiscal year to date cost variance is a very favorable $27.4M in savings and efficiencies, note that a majority of these dollars have been reinvested in performing additional scope through the buy-back process. Carry-over funds at the end of FY10 are estimated to be approximately $10M.

SUMMARY PROJECT PERFORMANCE

WRPS June CM Project Performance by Level 2 WBS ($k)							
	CM BCWS	CM BCWP	CM ACWP	CM SV	CM CV	CM SPI	CM CPI
5.1- Base Operations	25,076.2	23,404.8	20,235.5	(1,671.4)	3,169.3	0.93	1.16
5.2- Retrieval and Close SSTs	10,605.7	12,023.8	9,089.9	1,418.1	2,933.9	1.13	1.32
5.3- WFD/Treatment Plng/DST Retrieval/Closure	5,788.7	5,087.7	3,415.8	(701.0)	1,671.9	0.88	1.49
5.4- Supplemental Treatment	510.0	549.0	316.2	38.9	232.7	1.08	1.74
5.5- Treat Waste	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Total	41,980.7	41,065.3	33,057.5	(915.4)	8,007.8	0.98	1.24

TOC CM unfavorable SV of ($915k) is driven by:

1) **Base Operations, ($1,671k):**

    1) *RA- Remove Obsolete Equipment*, ($803k): delays in field work for DST Obsolete Equipment Removal due to competition with other projects for field resources.

    2) *RA- 242-A Evaporator Upgrades*, ($761k): inaccurate reporting of BCWP.

2) **Retrieval and Close SSTs, $1,418k:**

    1) *C Farm Enhancements*, $893k: schedule recovery of the Project Trailer Complex.

    2) *RA- Technology Development*, $629k: the decision to focus on the educator-based vacuum technology. This vacuum greatly simplifies the overall system. Additional testing will take place.

    3) *Interim Barrier*, $494k: performed SGE setup electrodes in S Farm in the current month that was planned for previous months.

    4) *C-111 Retrieval*, $342k: the receiving of procured equipment that was scheduled to be received in previous month and completed field installation work that was scheduled for previous months.

3) **WFD/Treatment Plng/DST Retrieval/Closure, ($701k):**

    1) *Next Generation JHCM & Testing Facility Design*, ($239k): a delay in implementing a Baseline Change Request (BCR) which provided additional detail to work scope.

    2) *RA- SN-278/SN-279 and SN-285/SN-286 TL Upgrade*, ($229k): a delay in developing work packages associated with excavation of the transfer lines.

    3) *Next Generation Flowsheet/Glass Chemistry Support*, ($221k): a delay in implementing a BCR which provided additional detail to work scope.

TOC CM favorable CV of $8,008k is driven by:

1) **Base Operations, $3,169k:**

    1) *Liquidations*, $4,886k: a $5.3M pass-back from absence Continuity of Service (COS).

Offset by,

1) *Finance Support*, ($1,157k): higher travel cost than planned and an accrual for $1M to account for expected liability of Washington State Department of Revenue Business and Occupation (B&O) tax.

2) *RA- Facility and Property Management*, ($769k): cost for the delayed 272AW Trailer Complex was recognized; however, budget was in previous months.

2) **Retrieval and Closure SSTs, $2,934k:**

1) *C Farm Infrastructure*, $630k: efficiencies gained while completing the pump and jumper removal activities.

2) *Interim Barrier*, $608k: setup electrodes and collect data activities were completed at a cost significantly less than planned.

3) *C Farm Infrastructure DST Receiver Tank 3*, $396k: procurement efficiencies achieved from changing the designation of the receiver tank from AY-101 to AN-106 reducing the number of HIHTLs and diversion boxes to purchase.

4) *A/AX Common Infrastructure*, $374k: the design development taking less subcontractor FTEs than planned due to the experience and specialization of the engineering team.

5) *C Farm Facility Enhancements*, $316k: efficiencies realized from using a subcontractor with previous Hanford experience, favorable work conditions, and labor having less downtime.

3) WFD/Treatment Plng/DST Retrieval/Closure, $1,672k:

1) *RA- WFE Technology Maturity Validation*, $1,397k: primarily a decrease in procurement cost for WFE Component (304L Stainless Steel vs. current base-lined costs for Hastelloy).

WRPS June 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	409,821.3	409,914.7	388,212.4	93.4	21,702.3	1.00	1.06	1,256,715.5	1,239,610.6	17,104.9
5.2- Retrieval and Close SSTs	124,391.7	117,939.3	109,725.3	(6,452.4)	8,214.1	0.95	1.07	419,409.8	407,304.5	12,105.3
5.3- WFD/Treatment Plng/DST Retrieval/Closure	58,572.1	58,245.5	45,508.2	(326.6)	12,737.3	0.99	1.28	352,567.9	344,510.7	8,057.2
5.4- Supplemental Treatment	2,087.6	1,902.5	1,544.8	(185.1)	357.7	0.91	1.23	24,054.8	23,995.0	59.8
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	594,872.7	588,002.0	544,990.7	(6,870.7)	43,011.3	0.99	1.08	2,066,200.2	2,028,873.1	37,327.1

TOC CTD unfavorable SV of ($6,871k) is driven by:

1) **Retrieval and Closure SSTs, ($6,452k):**

1) *C-111 Retrieval*, ($1,675k): delays in construction due to the discovery of objects blocking server risers requiring design changes and additional delays occurred from delays in receiving procured equipment.

2) *C Farm Facility Enhancements*, ($1,674k): the additional time needed for an accurate bid phase and additional time required by the subcontractor for mobilization and training for the construction contract for the Lighting Upgrades, Enhanced Walkways, and Trailer Complex.

3) *RA- Interim Barrier Construction*, ($1,520k): differences between the bases for planned construction and actual construction activities being performed including the type of barrier and construction schedule. Additional delays occurred when subcontractor experienced shortage of trained laborers and WRPS decided not to downpost the basin area from a Radiation Buffer Area (RBA).

4) *C-104 Retrieval*, ($1,008k): retrieval operations being halted due to an obstruction beneath the C-104 slurry pump, preventing it from being lowered, and due to the failure of the nitrogen seals in the AN-101 supernatant pump.

TOC CTD favorable CV of $43,011k is driven by:

1) **Base Operations, $21,702k:**

1) *RA- Finance Support*, $5,471k: lower allocation of applicable General and Administrative (G&A)/COP costs than planned resulting from RA Program under runs.

2) *SST Safe Storage & Operations*, $4,175k: continuous cost under runs realized in operations; partially offset with maintenance over runs.

3) *Information Resource Management*, $2,083k: lower material expenditures due to receipt of items from Yucca Mountain and document control's utilization of current staff.

4) *SST Integrity Project*, $1,515k: FY09 efficiencies from using expert panel support contracts, efficient research and implementation of the plan by Staff Aug personnel, and the use of interns for data collection. Additional savings were realized with the completion of the Tank Wall Core Samples which the cost was less than expected due to easy access to the tank through other projects utilizing the same tank.

5) *RA- Program Mgmt*, $1,491k: less Request for Offsite Services (ROS) Support, lower labor cost due to staffing vacancies, and less material cost than planned.

6) *RA- DST Farm Upgrades*, $1,394k: the Vent Reliability Study completing significantly under budget because it is determined through technical evaluations that the AN Exhauster Evaluation bounds all the HVAC systems and resolving the National Electrical Code (NEC) issues in the SY Farm and the DST Farm Replace Drain Seals project 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.

7) *RA- Drawing Reconstitution*, $1,336k: lower cost for ROS staff as a result of a lower field rate than planned and efficiencies gained through tank farm walk downs.

8) *RA- TOC Training Program*, $1,323k: less RA personnel training required reducing the HAMMER cost and use of training professionals.

9) *TOC Training Program*, $1,318k: labor efficiency realized by streamlining the mandated Lockout-Tagout and Maintenance Safety Classifications training classes in FY09.

10) *Finance Support*, $1,313k: a COS over liquidation which occurred in FY09 and travel credits for trips that did not occur.

2) **WFD/Treatment Plng/DST Retrieval/Closure, $12,737k:**

   1) *RA- WFE Technology Maturity Validation*, $1,700k: primarily a decrease in procurement cost for WFE Component (304L Stainless Steel vs. current base-lined costs for Hastelloy).
   2) *RA- AW COB Isolation*, $1,315k: awarding of construction contract which was significantly below initial estimates and less resources required resulting from a strong working relationship between HAMTC, engineering (with support from subcontract ARES) and experienced construction craft.
   3) *WFD PE/Flow Sheet*, $1,163k: lack of contract support and staff vacancy.
   4) *WFD Technical Baseline*, $867k: delays in hiring staff resulting in labor cost under runs and delays in issuing contracts for managed task resulting in subcontract under runs.
   5) *RA- WFD Tank Mixing & Sampling*, $827k: resulting from a $587k transfer to SRNL for the Bench Scale Demonstration which is not captured as actual cost; and the Small Scale Mixing Demonstration Plan completed significantly under original estimate.
   6) *RA- WFE Application Viability*, $567k: efficiencies gained by performing test, plans, and procedures in parallel.
   7) *Tank Waste Database Management*, $550k: the use of fewer resources to complete the TWINS database diagnostic activities.
   8) *RA- WFE-Specific Site & Regulatory Interfaces*, $500k: current staff using prior knowledge to limit the need for engineering support, Columbia Energy contract not being finalized, and the use of a revised strategy for only a single identified interfacing system specification.
   9) *RPP System Plan*, $499k: efficiencies gained through G2 training, HTWOS model improvements, and judicious use of overtime.
   10) *RA–AWA Project Planning and Mobilization*, $417k: due to delays in technical and cost evaluations that had to be resolved before issuance of the contract, therefore cost under runs occurred during the Advanced Work Authorization (AWA) 45 day time period. Also due to the uncertainties of the work scope to be funded by the RA, Project managers delayed hiring staff until RA work scope for contract line item number (CLIN) 3 was finalized; therefore the cost for new hires is under run.
   11) *RA- SY D&D (SHMS-GCS)*, $381k: efficiencies gained in designing the removal of obsolete equipment that is similar in AW and SY Farms and use of smaller work crew.

3) **Retrieval and Closure SSTs, $8,214k:**

   1) *Hose in Hose Transfer Line Disposition (SST)*, $4,184k: 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.
   2) *C-110 Retrieval*, $1,797k: efficiencies captured during C-110 waste retrieval operations.
   3) *C-107 Retrieval*, $1,779k: utilizing experienced vendors on waste retrieval system design activities and labor efficiencies realized from sharing project management resources.

CM PROJECT PERFORMANCE by Work Breakdown Structure (WBS)

WRPS June Project Performance - CM ($k)							
WBS	CM BCWS	CM BCWP	CM ACWP	CM SV	CM CV	CM SPI	CM CPI
5.1.1 - Base Operations							
5.1.1.1 - Base Operations Project Mgmt	241.5	241.5	306.8	0.0	(65.3)	1.00	0.79
5.1.1.2 - TSR Surveillance & Maintenance	3,575.6	3,523.3	3,737.9	(52.3)	(214.6)	0.99	0.94
5.1.1.3 - TSR Administrative Controls	(59.3)	199.6	257.5	258.9	(57.8)	(3.37)	0.78
5.1.1.4 - Core Services	124.1	124.1	97.7	0.0	26.4	1.00	1.27
5.1.1.5 - Tank Chemistry and Integrity	1,651.8	1,018.3	1,147.8	(633.5)	(129.6)	0.62	0.89
5.1.1.6 - Solid Waste Management	611.7	411.4	426.9	(200.3)	(15.5)	0.67	0.96
5.1.1.7 - RA Tank Farm Operations	1,142.9	1,022.5	1,402.7	(120.4)	(380.1)	0.89	0.73
5.1.1.8 - RA- TOC Support Facility Construct/Refurb	62.9	96.9	22.0	34.0	74.9	1.54	4.40
5.1.1.9 - TOC Support Facility Construction/Refurbishmen	0.0	17.0	3.1	17.0	13.9	0.00	5.52
5.1.1 - Base Operations Total*	**7,351.1**	**6,654.5**	**7,402.3**	**(696.6)**	**(747.8)**	**0.91**	**0.90**
5.1.2 - DST Space Management	389.4	565.5	519.8	176.1	45.7	1.45	1.09
5.1.3 - TOC Facility Operations	3,162.1	3,526.9	3,747.5	364.7	(220.6)	1.12	0.94
5.1.4 - Tank Farm Upgrades	5,728.3	3,994.8	2,484.5	(1,733.5)	1,510.2	0.70	1.61
5.1.5 - Project Support							
5.1.5.1 - Project Integration	962.4	932.8	1,230.8	(29.6)	(298.0)	0.97	0.76
5.1.5.2 - ESH&Q	1,430.1	1,575.0	1,539.6	144.9	35.4	1.10	1.02
5.1.5.3 - Security and Emergency Services	63.9	63.9	73.1	0.0	(9.2)	1.00	0.87
5.1.5.4 - Central Engineering	700.2	724.5	614.7	24.3	109.8	1.03	1.18
5.1.5.5 - Workforce Resources	701.8	701.8	668.1	0.0	33.8	1.00	1.05
5.1.5.6 - Business Services**	564.8	574.1	(3,453.9)	9.4	4,028.0	1.02	(0.17)
5.1.5.7 - Executive Management	284.9	284.9	315.2	0.0	(30.2)	1.00	0.90
5.1.5.8 - Hanford Pension and Benefits	1,651.2	1,651.2	2,010.2	0.0	(359.0)	1.00	0.82
5.1.5.9 - RA - Project Support	2,086.1	2,154.9	3,083.6	68.8	(928.8)	1.03	0.70
5.1.5 - Project Support Total*	**8,445.3**	**8,663.2**	**6,081.4**	**217.9**	**2,581.8**	**1.03**	**1.42**
5.2.1 - Retrieval/Closure Program	4,853.8	4,911.6	4,115.7	57.8	795.9	1.01	1.19
5.2.2 - SST Retrieval East Area	5,326.1	6,813.1	4,785.4	1,487.0	2,027.7	1.28	1.42
5.2.3 - SST Retrieval West Area	130.8	0.0	(6.6)	(130.8)	6.6	0.00	0.00
5.2.4 - Closure Program	155.4	203.8	121.9	48.4	81.9	1.31	1.67
5.2.5 - SST Closure	139.6	95.4	73.6	(44.2)	21.8	0.68	1.30
5.3.1 - WTP Feed Delivery Program	1,822.7	1,712.0	1,200.1	(110.7)	511.9	0.94	1.43
5.3.2 - Construct DST Systems	475.6	504.4	366.7	28.8	137.7	1.06	1.38
5.3.3 - RA - Transfer System Mods Project	800.0	465.8	665.6	(334.3)	(199.9)	0.58	0.70
5.3.6 - Immobilization Program	341.8	411.1	490.6	69.3	(79.5)	1.20	0.84
5.3.7 - WTP Operational Readiness	341.0	396.3	339.4	55.3	56.9	1.16	1.17
5.3.8 - East Area Waste Receiving Facility (WRF)	0.0	0.0	0.1	0.0	(0.1)	0.00	0.00
5.3.9 - Tank Waste Pretreatment Project	83.0	21.2	43.6	(61.8)	(22.5)	(0.75)	0.48
5.3.10 - Secondary Waste Treatment/ETF	153.1	243.5	291.4	90.3	(47.9)	0.00	0.84
5.3.11 - Next Generation Projects	1,771.5	1,333.5	18.3	(437.9)	1,315.3	0.75	72.90
5.4.1 - Supplemental Treatment	510.0	549.0	316.2	38.9	232.7	1.08	1.74
TOTAL	**41,980.7**	**41,065.3**	**33,057.5**	**(915.4)**	**8,007.8**	**0.98**	**1.24**

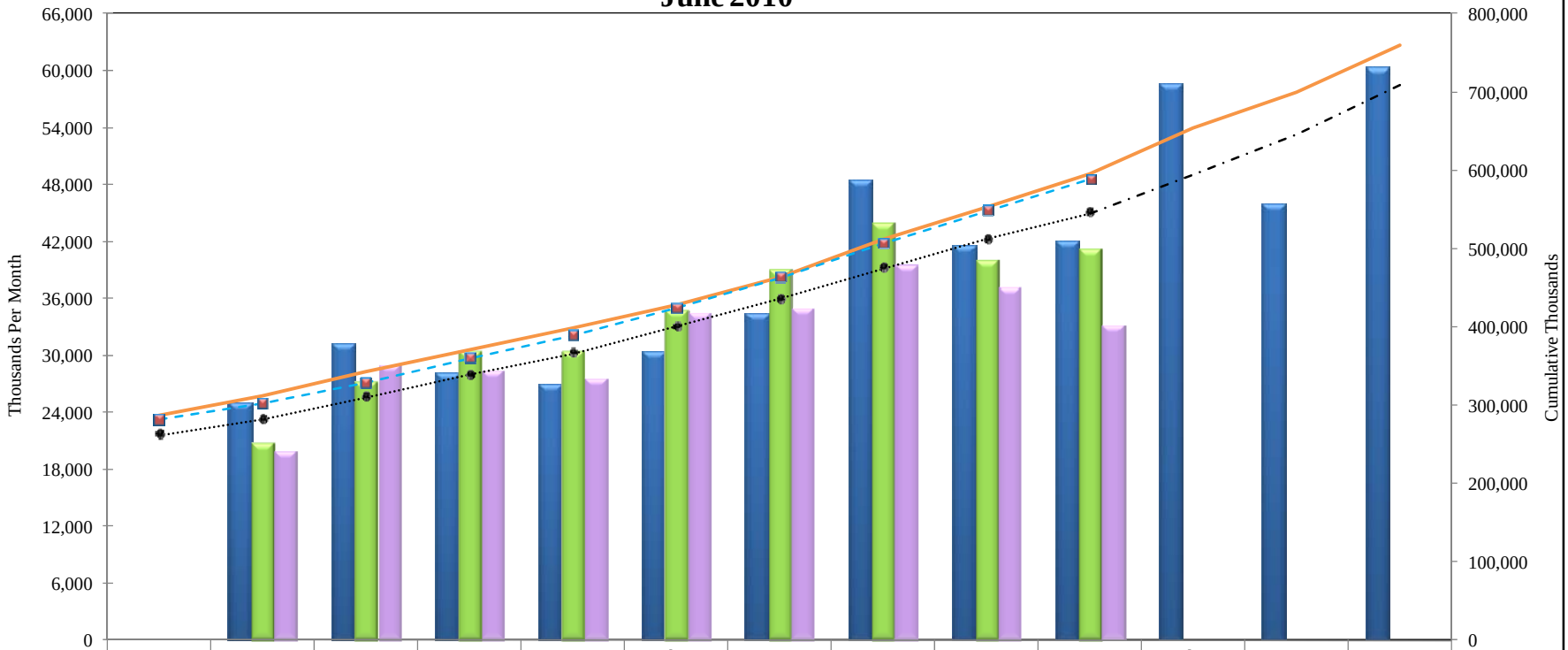
Yellow cells indicate variance is reportable; CM = (+/- $150K) and 10% - Refer to Appendix B for variance detail. *** Reportable at Level 4 **Includes Liquidations**

CTD PROJECT PERFORMANCE by WBS

WRPS June Project Performance - CTD ($k)								
WBS	CTD BCWS	CTD BCWP	CTD ACWP	CTD SV	CTD CV	CTD SPI	CTD CPI	BAC
5.1.1 - Base Operations								
5.1.1.1 - Base Operations Project Mgmt	5,545.6	5,545.6	5,218.2	0.0	327.5	1.00	1.06	15,181.4
5.1.1.2 - TSR Surveillance & Maintenance	77,741.7	77,733.0	81,968.0	(8.7)	(4,235.0)	1.00	0.95	235,519.5
5.1.1.3 - TSR Administrative Controls	5,571.2	5,647.2	6,502.4	76.0	(855.2)	1.01	0.87	13,847.1
5.1.1.4 - Core Services	3,850.3	3,850.3	3,133.2	0.0	717.1	1.00	1.23	9,518.2
5.1.1.5 - Tank Chemistry and Integrity	18,000.2	17,123.4	13,723.3	(876.9)	3,400.1	0.95	1.25	71,674.8
5.1.1.6 - Solid Waste Management	9,353.4	9,153.1	9,176.8	(200.3)	(23.7)	0.98	1.00	30,411.3
5.1.1.7 - RA Tank Farm Operations	13,956.4	13,995.1	14,173.9	38.8	(178.8)	1.00	0.99	28,765.7
5.1.1.8 - RA- TOC Support Facility Construct/Refurb	299.9	208.9	78.5	(91.0)	130.4	0.70	2.66	3,909.6
5.1.1.9 - TOC Support Facility Construction/Refurbishment	0.0	17.0	3.1	17.0	13.9	0.00	5.52	182.1
5.1.1 - Base Operations Total*	**134,318.7**	**133,273.5**	**133,977.3**	**(1,045.2)**	**(703.8)**	**0.99**	**0.99**	**409,009.5**
5.1.2 - DST Space Management	13,019.8	10,466.2	13,583.0	(2,553.6)	(3,116.8)	0.80	0.77	41,449.3
5.1.3 - TOC Facility Operations	47,915.0	48,147.9	45,017.7	232.9	3,130.2	1.00	1.07	149,984.4
5.1.4 - Tank Farm Upgrades	35,337.4	39,076.5	30,138.2	3,739.1	8,938.3	1.11	1.30	127,147.6
5.1.5 - Project Support								
5.1.5.1 - Project Integration	16,762.3	16,662.1	14,002.3	(100.1)	2,659.8	0.99	1.19	62,458.3
5.1.5.2 - ESH&Q	28,577.7	28,505.7	26,819.2	(72.0)	1,686.4	1.00	1.06	88,705.3
5.1.5.3 - Security and Emergency Services	1,296.4	1,296.4	1,469.4	0.0	(173.1)	1.00	0.88	4,215.5
5.1.5.4 - Central Engineering	10,049.2	9,919.9	10,381.2	(129.3)	(461.3)	0.99	0.96	40,999.5
5.1.5.5 - Workforce Resources	16,839.9	16,839.9	16,233.6	0.0	606.3	1.00	1.04	48,309.2
5.1.5.6 - Business Services**	28,503.8	28,501.6	28,059.6	(2.1)	442.0	1.00	1.02	82,514.3
5.1.5.7 - Executive Management	7,357.4	7,357.4	7,307.8	(0.0)	49.6	1.00	1.01	20,297.6
5.1.5.8 - Hanford Pension and Benefits	31,779.4	31,779.4	31,768.6	0.0	10.8	1.00	1.00	110,742.1
5.1.5.9 - RA - Project Support	38,064.5	38,088.2	29,454.4	23.7	8,633.8	1.00	1.29	70,883.1
5.1.5 - Project Support Total*	**179,230.4**	**178,950.5**	**165,496.1**	**(279.9)**	**13,454.4**	**1.00**	**1.08**	**529,124.7**
5.2.1 - Retrieval/Closure Program	63,982.3	61,534.8	53,030.3	(2,447.5)	8,504.5	0.96	1.16	163,854.3
5.2.2 - SST Retrieval East Area	54,701.6	50,720.0	52,566.9	(3,981.6)	(1,846.9)	0.93	0.96	219,264.8
5.2.3 - SST Retrieval West Area	1,398.0	1,253.1	1,026.4	(144.9)	226.7	0.90	1.22	3,873.1
5.2.4 - Closure Program	2,767.2	2,742.3	2,277.2	(24.9)	465.1	0.99	1.20	8,965.4
5.2.5 - SST Closure	1,542.6	1,689.1	824.4	146.5	864.7	1.09	2.05	23,452.3
5.3.1 - WTP Feed Delivery Program	25,289.0	25,010.9	19,134.7	(278.1)	5,876.2	0.99	1.31	86,873.8
5.3.2 - Construct DST Systems	7,241.9	7,151.6	6,342.0	(90.3)	809.6	0.99	1.13	102,852.1
5.3.3 - RA - Transfer System Mods Project	4,041.3	4,387.1	3,663.7	345.8	723.4	1.09	1.20	20,726.1
5.3.6 - Immobilization Program	4,857.6	4,786.7	3,516.4	(70.9)	1,270.3	0.99	1.36	36,281.7
5.3.7 - WTP Operational Readiness	4,547.1	4,547.9	4,082.7	0.8	465.2	1.00	1.11	16,472.3
5.3.8 - East Area Waste Receiving Facility (WRF)	490.8	490.8	191.3	(0.0)	299.5	1.00	2.57	490.8
5.3.9 - Tank Waste Pretreatment Project	1,483.2	1,338.0	933.5	(145.2)	404.5	0.90	1.43	1,544.3
5.3.10 - Secondary Waste Treatment/ETF	3,815.8	4,194.7	3,593.6	378.9	601.1	1.10	1.17	35,542.3
5.3.11 - Next Generation Projects	6,805.3	6,337.8	4,050.3	(467.4)	2,287.6	0.93	1.56	51,784.5
5.4.1 - Supplemental Treatment	2,087.6	1,902.5	1,544.8	(185.1)	357.7	0.91	1.23	24,054.8
5.5.2 - Waste Treatment Facility (WTP)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	13,452.2
TOTAL	**594,872.7**	**588,002.0**	**544,990.7**	**(6,870.7)**	**43,011.3**	**0.99**	**1.08**	**2,066,200.2**

Yellow cells indicate variance is reportable; CTD = (+/- $500K) and 10% - Refer to Appendix B for variance detail. *** Reportable at Level 4 **Includes Liquidations**

Variance explanations are reported in Section 10.0 (Appendix B)



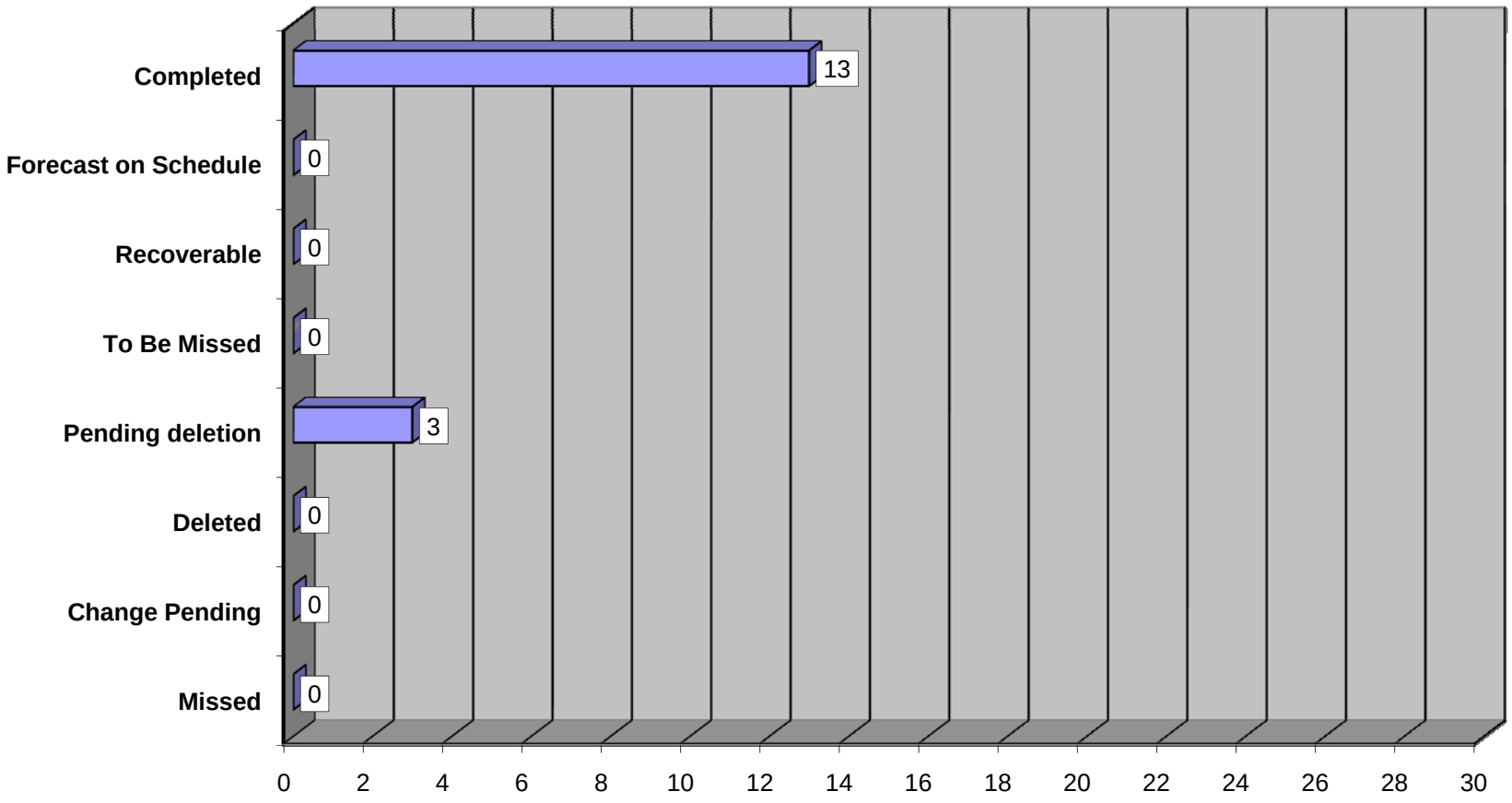
	FY 09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
CM Plan (BCWS)		24,992	31,267	28,227	26,984	30,345	34,431	48,387	41,519	41,981	58,576	45,929	60,287
CM Perf (BCWP)		20,677	27,086	30,260	30,306	34,634	38,856	43,927	39,892	41,065			
CM Actuals (ACWP)		19,801	28,941	28,292	27,436	34,416	34,820	39,463	37,098	33,058			
CTD Plan (BCWS)	286,740	311,732	342,999	371,226	398,210	428,555	462,986	511,374	552,892	594,872	653,448	699,377	759,664
CTD Perf (BCWP)	281,299	301,976	329,062	359,322	389,628	424,262	463,118	507,045	546,937	588,002			
CTD Actuals (ACWP)	261,668	281,468	310,409	338,701	366,137	400,553	435,373	474,836	511,933	544,991			
CTD Actuals/FY ETC										544,991	593,918	645,506	708,671

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	

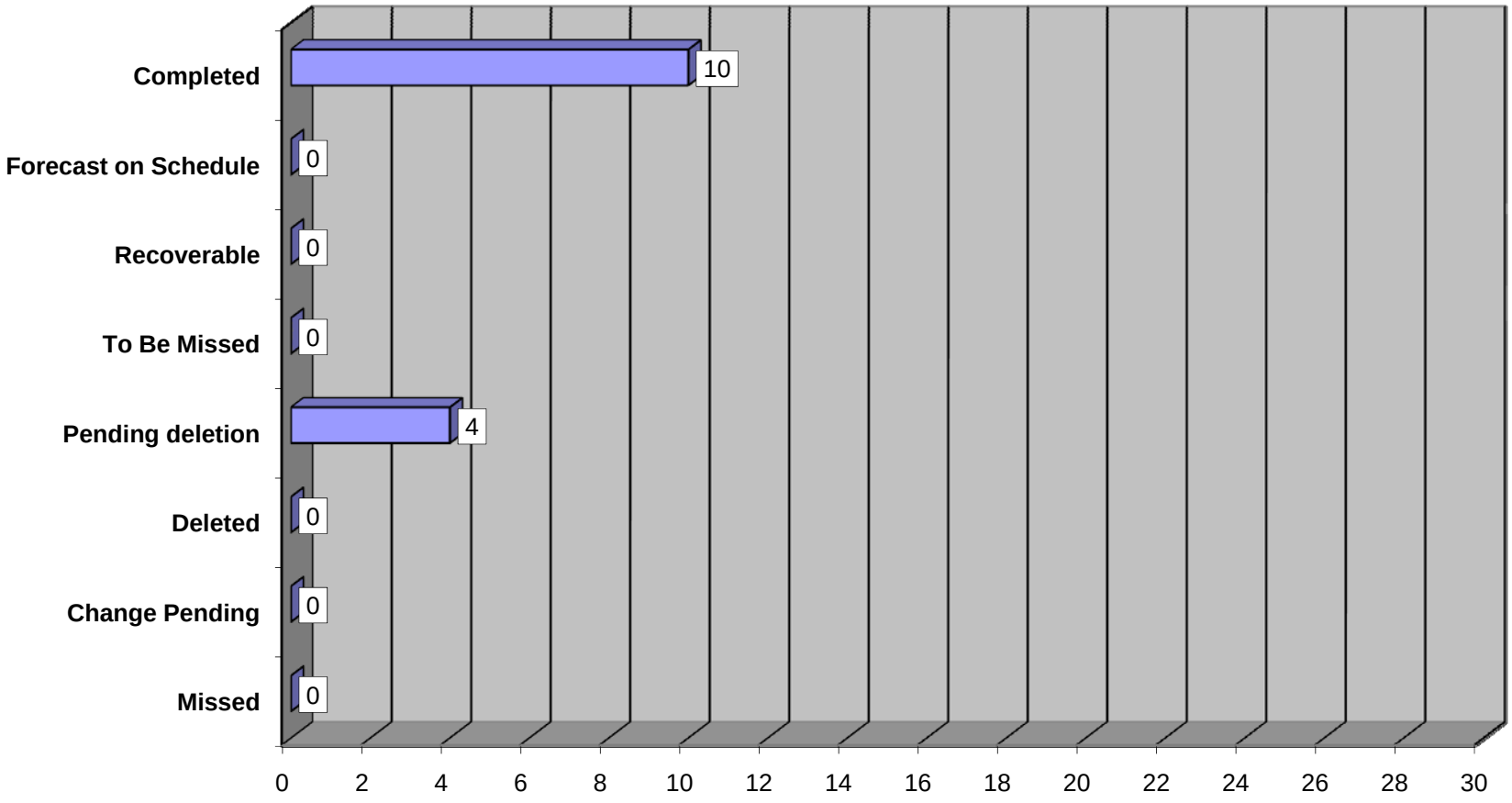
Fiscal Year 2006 Tri-Party Agreement Milestone Status

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

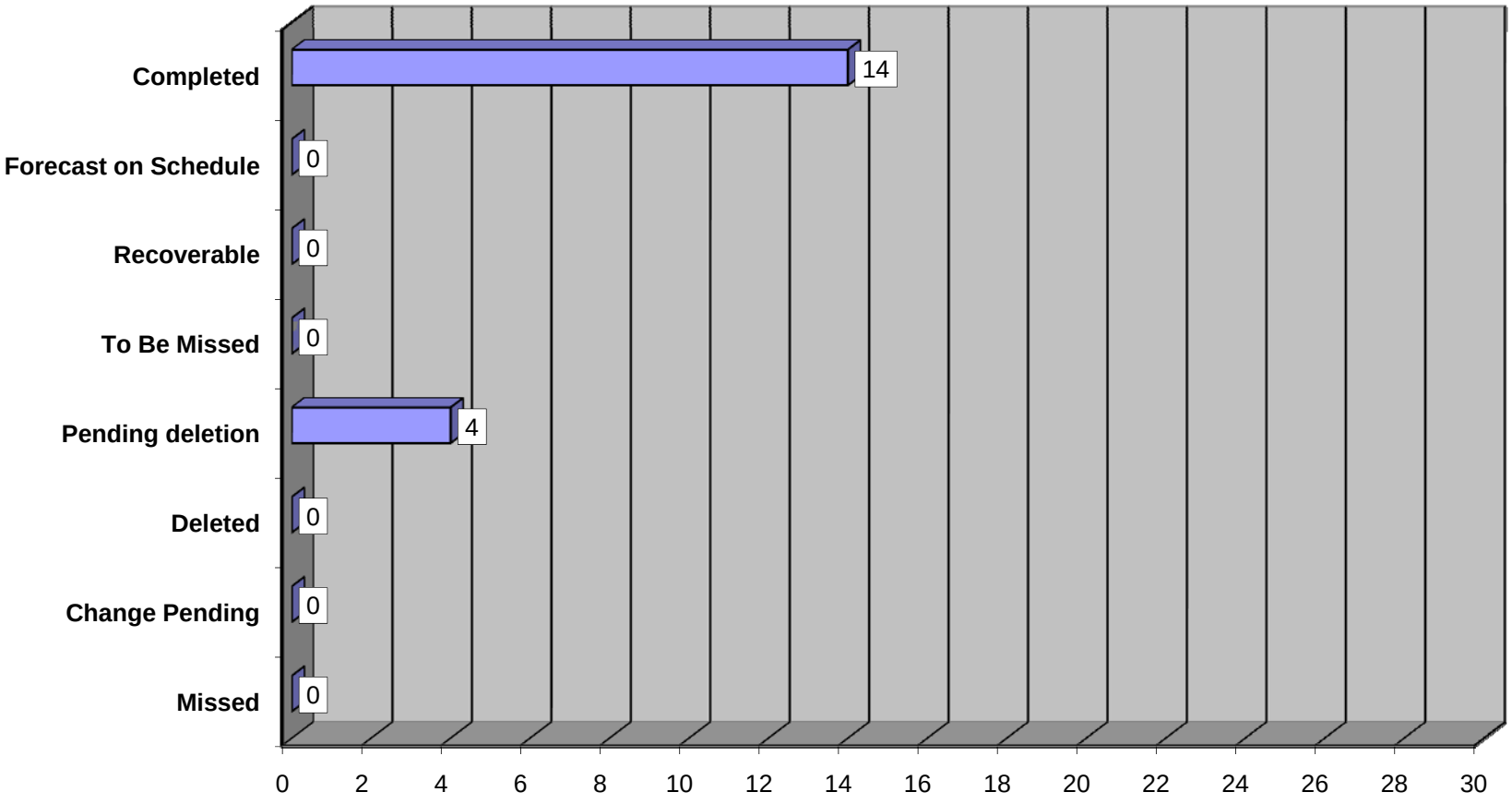
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	S-102.										
D-001-00-R32	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities 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-062-01O	Submit Semi-Annual Project Compliance Report.	07/31/07	07/31/07								
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/26/07								
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								

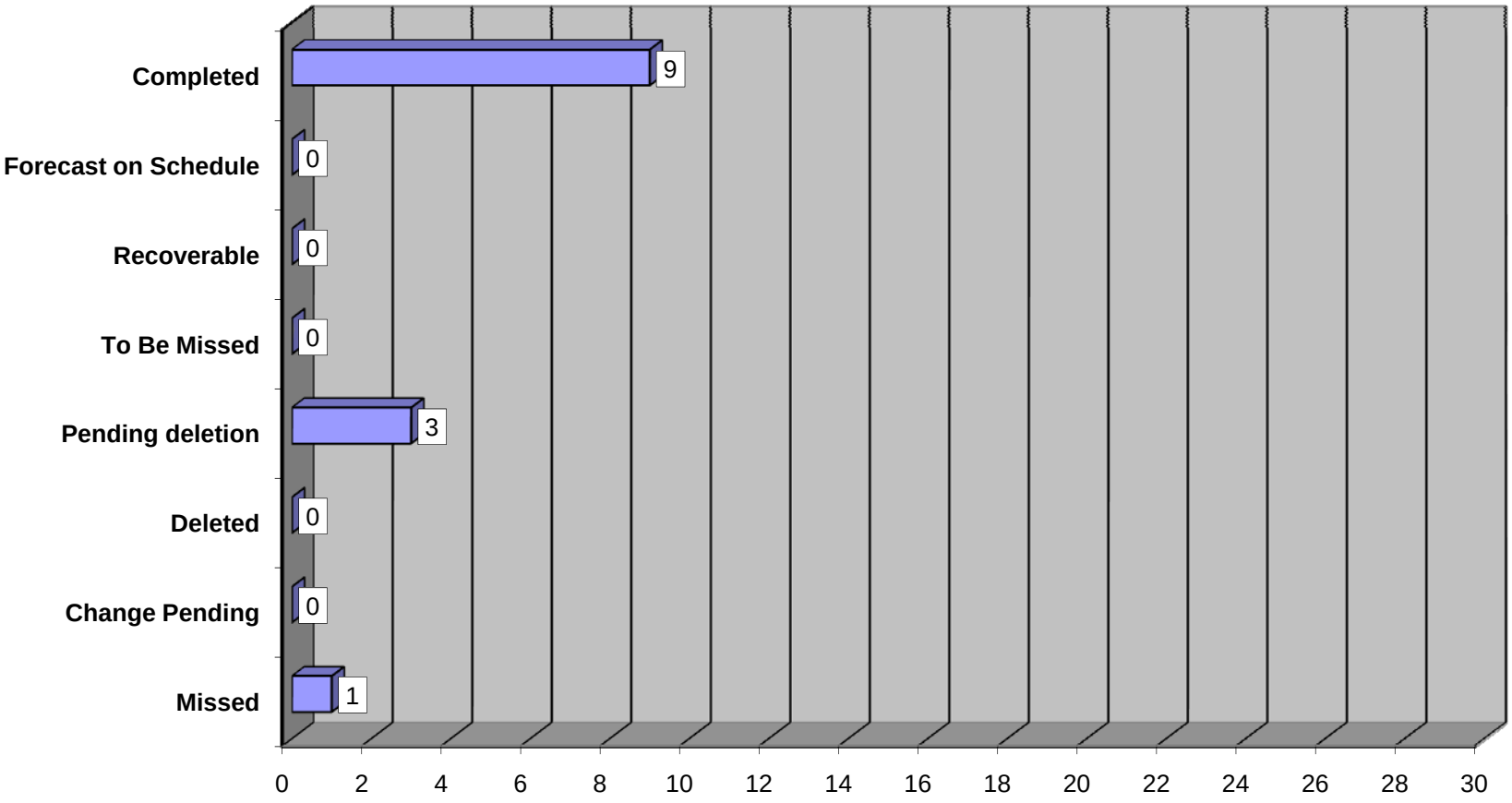
Fiscal Year 2008 Tri-Party Agreement Milestone Status

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								

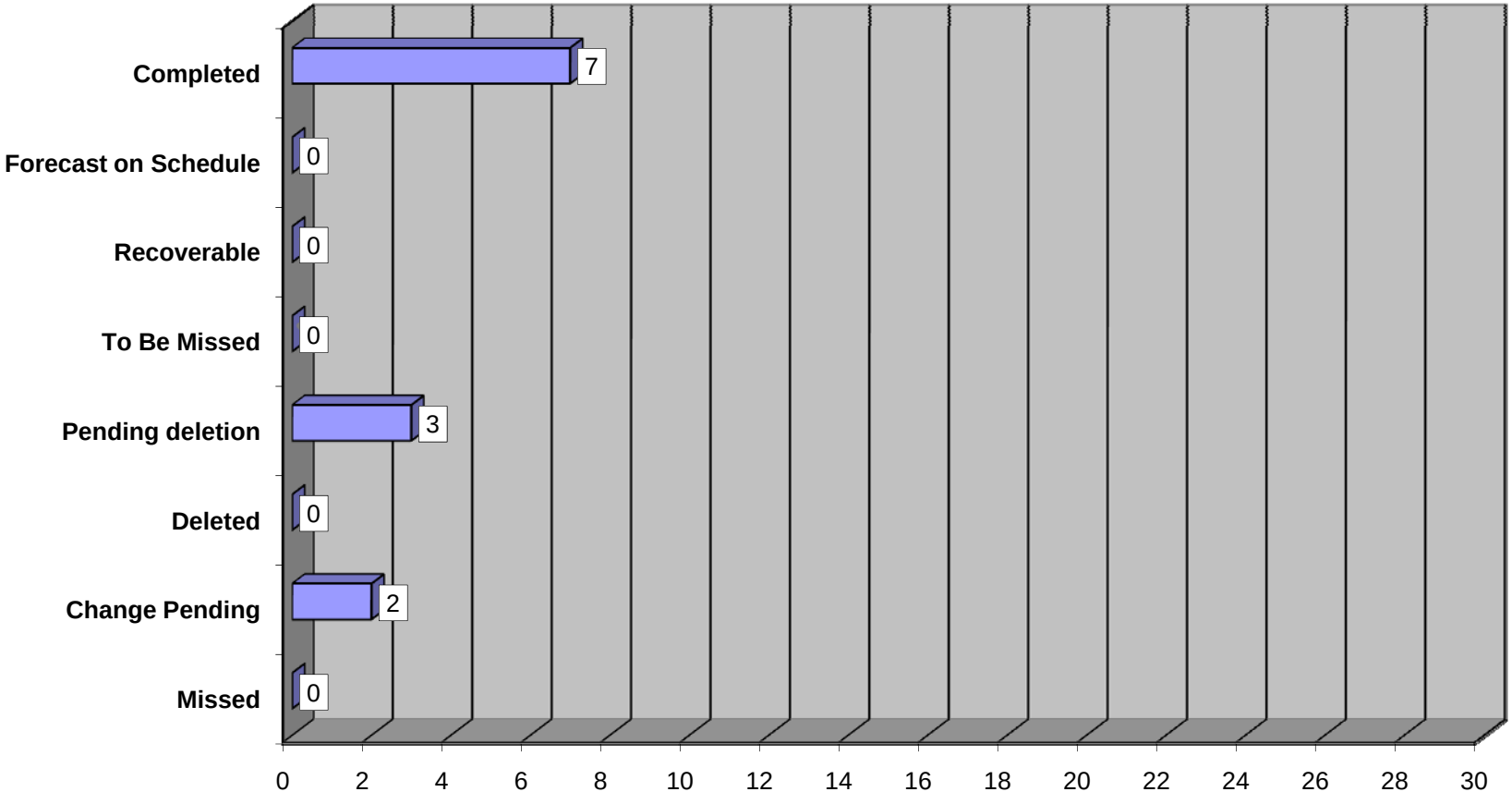
Fiscal Year 2009 Tri-Party Agreement Milestone Status

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

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 970 craft, 413 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 August for current project issues:

The Defense Nuclear Facilities Safety Board (DNFSB) recently 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.

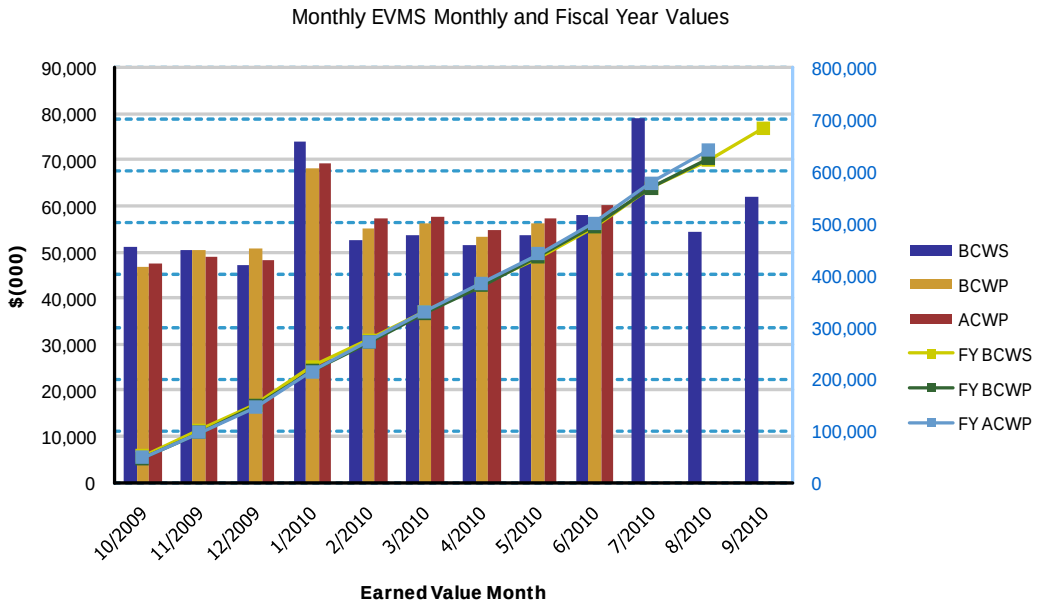
WTP – Fiscal Year To-Date Performance

Data Set: FY 2010 Earned Value Data

Data as of: August 2010

Report Number: **EXC-01a**

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



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 – August 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.

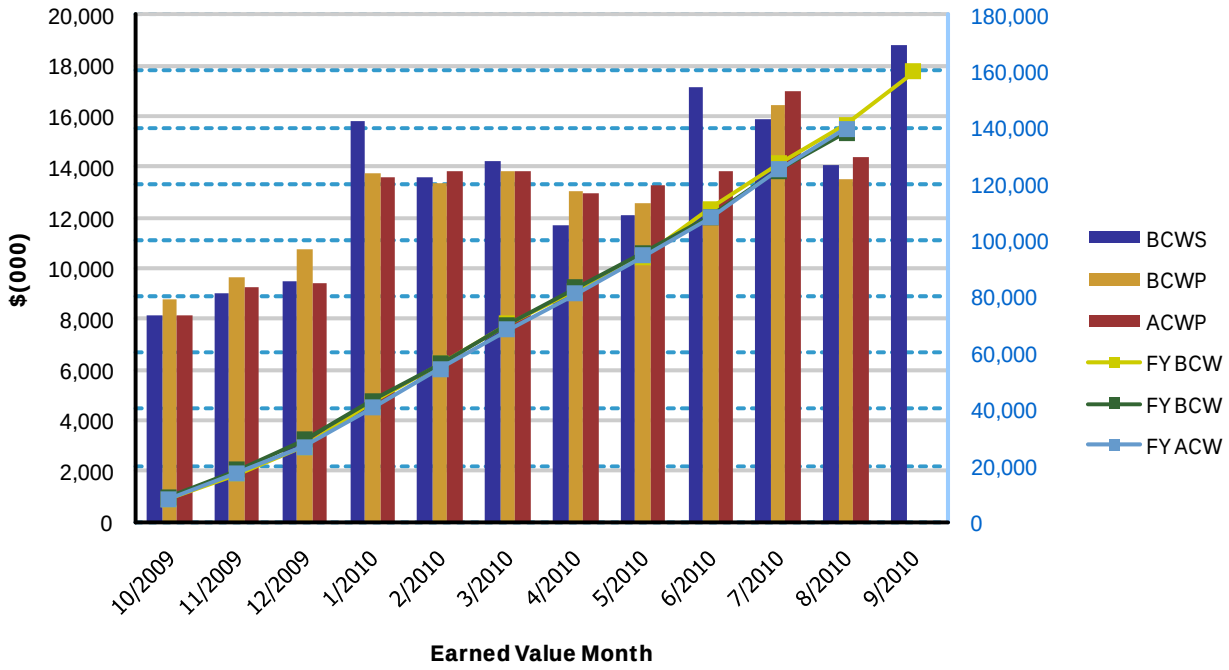
Data Set: FY 2010 Earned Value Data

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 – August 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 melters and then poured into cylindrical stainless steel canisters. After the molten glass has cooled and solidified into a stable wasteform, the canisters are then sealed and decontaminated prior to shipment to interim storage. HLW engineering design is 86% complete, procurement is 58% complete and construction is 29% complete. The facility is 49% complete overall, not including the Shared Services facility construction budget (i.e., “unallocated”).

The critical path schedule to complete design and build-out of the Filter Cave is being maintained. For optimum efficiency, the Filter Cave’s primary ventilation and offgas filter housings and dampers, support steel, and large-bore ducting will be placed via crane “over the top” before the slab overhead is placed. 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. The vendor’s HEPA Filter Housing seismic analysis began in March 2010; and the reports will be completed by the end of September.. These detailed reports are being reviewed locally by WTP staff and also by senior principal seismic experts at Bechtel’s headquarters in Maryland. The Remote Operated Damper vendor is continuing to work its seismic analysis to be completed at the end of September. BNI engineering completed the isometric drawings of the large-bore C5V duct in July and the vendor was authorized to begin procurement and fabrication of the ducting. BNI and the HVAC subcontractor responsible for installing the ducting are conducting weekly coordination meetings to determine the optimum sequencing of installation and improve constructability.

In August, engineering released the final two rebar detail drawings for the +72-foot elevation. This release completed the HLW facility rebar design. The single-line drawings for the 480-volt unit substation, relating to the important- to-safety circuits, were also completed. Six structural steel drawings (representing approximately 95-tons of steel) for the platform at +93-foot elevation were also issued. Other engineering activities in August included the completion of the Auto-Sampling system (ASD) System Description, issuing 144 control logic diagrams, 19 penetration spacing verification documents (PSVDs), 243 isometric drawings for pipe (representing over 2,500 lineal feet of piping), modeling 64 equipment items based on vendor and specification information, and reviewing 348 liner plate and structural steel fabrication drawings.

In August, construction forces completed three walls for a total of 561 cubic-yards (CY) of concrete and installed 27-tons of large structural steel. HLW construction forces concentrated their efforts on the installation of commodities at multiple locations throughout the interior of the facility and installing the +37 to +58-foot elevation structural steel columns and cross-members in the Annex area. Installation of this structural steel allows the coating activities to be completed in October, ahead of the cold weather season. Construction plans to complete three slabs and three walls in September for a total of 870 CY of concrete.

On August 04, constructions crews successfully completed the precision installation of the second C3/C5 shield door HMH-DOOR-09 in Melter Cave #1, the similar C3/C5 shield door HMH-DOOR-14 for Melter Cave #2 was installed on July 26. Completing the installation of these shield doors allows crews to begin work on the +23-foot elevation concrete slabs above them. The final two C2/C3 shield doors, outside the +23-foot elevation floors, will be installed in early 2011 and will complete the system of six shield doors, with three for each melter cave. The melter shield door system opens and closes shield doors in sequence when replacing a melter to protect workers from radiation. The HLW melters are designed to have a five-year operating lifetime. Other August construction activities in the HLW Facility include:

- At the +37' elevation, crews installed slab rebar, structural steel, conduit, anchor bolts, decking and embeds.
- At the +14' elevation, crews continued to work on conduit, joggles, wall forms and slab shoring, liner plates, installing stairwells, embeds, piping and pipe sleeves, grounding, abrasive blasting, and rebar installation.
- At the +0' elevation, crews continued working on multiple shield doors and their rails, liner plate and grillage. Subcontractors continued installing fire water piping at multiple locations, setting cable tray supports, sandblasting and coating structural steel, and installing bogie cart rails.
- At the -21' elevation, crews continued installing miscellaneous steel, rack piping and supports, pipe chase and other support steel, cable tray and supports, and piping and ducting at various locations. Subcontractors continued to work on sandblasting and coating steel, and coating and sealing floors in the silver mordenite room.

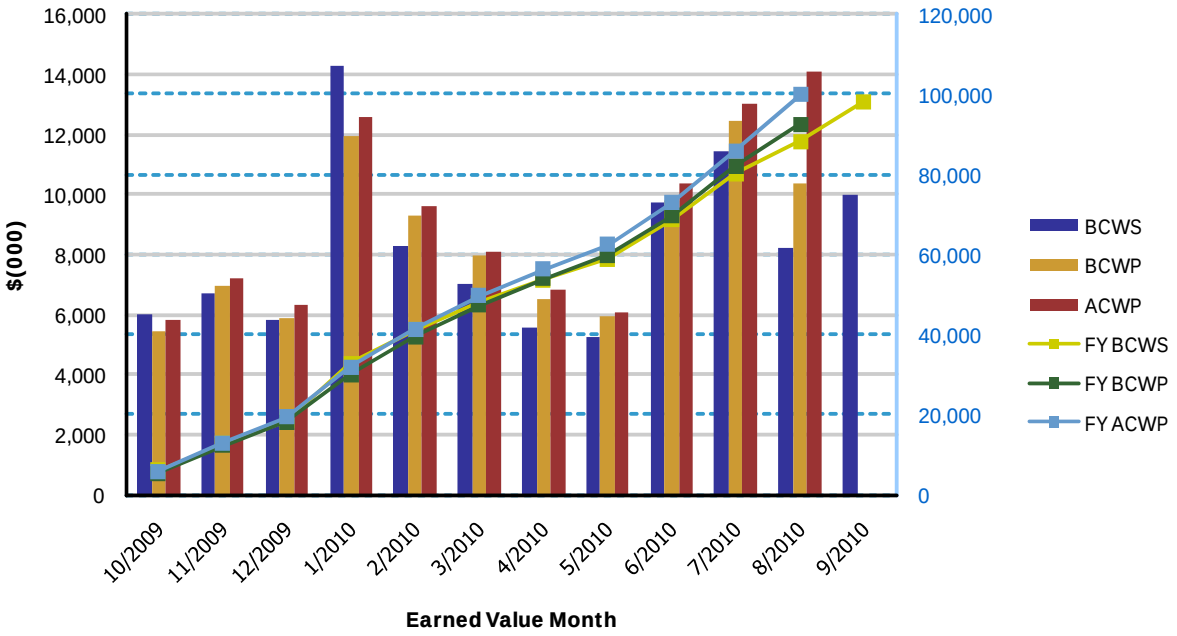
Data Set: FY 2010 Earned Value Data

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 – August 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 64%, engineering is 92%, and construction is 62%.

Engineering

Engineering completed design verification for the Carbon Dioxide Gas system and issued the associated report. Engineering also issued piping isometrics during August which release over 250 linear feet of piping for construction. Engineering is still on track to complete LAW Confirmed design by September 2011.

Procurement

BNI awarded both the LAW Offgas Exhauster and Thermo-Catalytic Oxidizer subcontracts in August. The Factory Acceptance Testing for the LAW Container Decontamination System was also completed in August.

Construction

During August, BNI energized the permanent plant lighting on the -21ft Elevation with temporary power. Construction continued to install the cooling panels on the walls of the pour caves. Construction is making preparations for receipt and storage of the LAW melters, which will arrive later this fall. Construction continued work on the normal activities such as installation of piping and hangers, conduit, cable tray, instrument enclosures and lighting fixtures, gypsum wallboard, and perimeter sealants.

Commissioning

BNI Plant Operations continued to review documents and work with engineering on LAW flooding scenarios. BNI has scheduled an Integrated Safety Management (ISM) meeting on LAW Flooding for September.

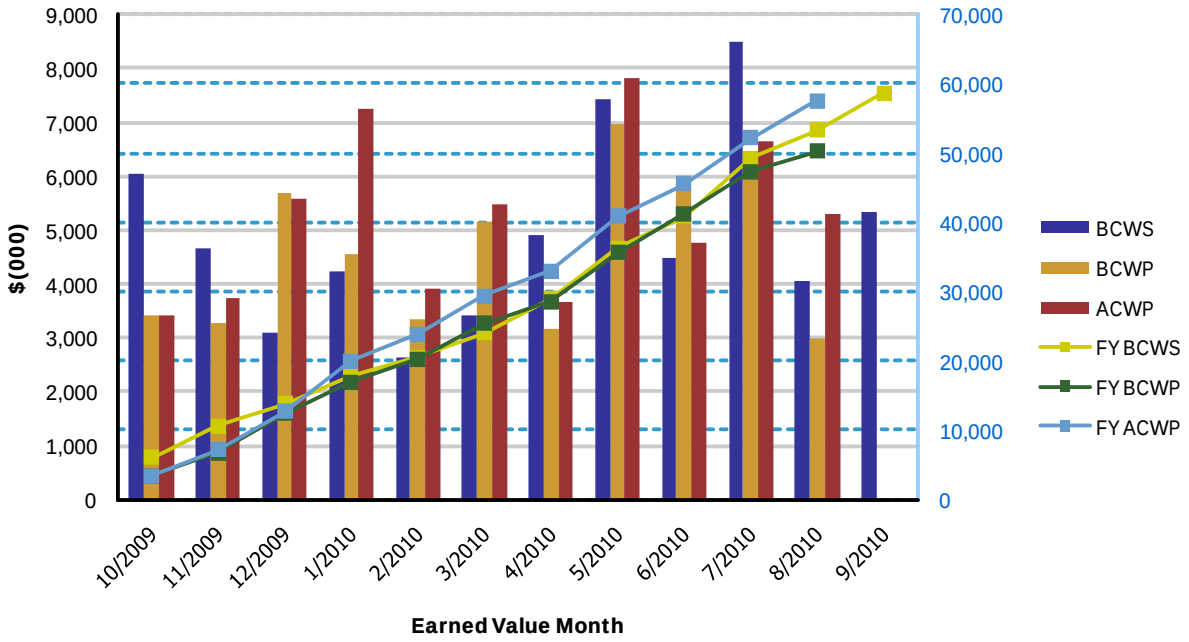
Data Set: FY 2010 Earned Value Data

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) – August 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 August BNI issued 13 confirmed calculations and 29 piping and instrumentation diagrams (P&IDs) for the radioactive liquid waste disposal (RLD) system within the LAB, as well as 9 control logic diagrams for the stack discharge monitoring (SDJ) system. In addition, BNI engineering issued 17 instrument data sheets for ventilation, water, and low pressure steam systems within the LAB. BNI engineering is still on schedule to complete confirmed design (incorporating vendor information) in November 2010

Procurement

The major procurement activity for the LAB is the autosampling system (ASX) equipment. Factory acceptance testing for the low activity waste receipt stations was completed in mid-August. The ASX hotcell receipt station and hotcell receipt and disposal station were received in late August.

Construction

Major construction activities in the LAB during July were continued piping installation in the C2, C3, and C5 pits, and continued installation work on the waste drum bogie. In addition, Construction made progress on the continuing installation of piping and hangers, conduit, lighting, and electrical equipment.

Commissioning

BNI LAB Plant Operations provided support and oversight for completion of the LAB autosampling equipment factory acceptance testing. BNI also continued work on several of the LAB administrative procedures such as Control of Equipment and Material and Laboratory Waste Management.

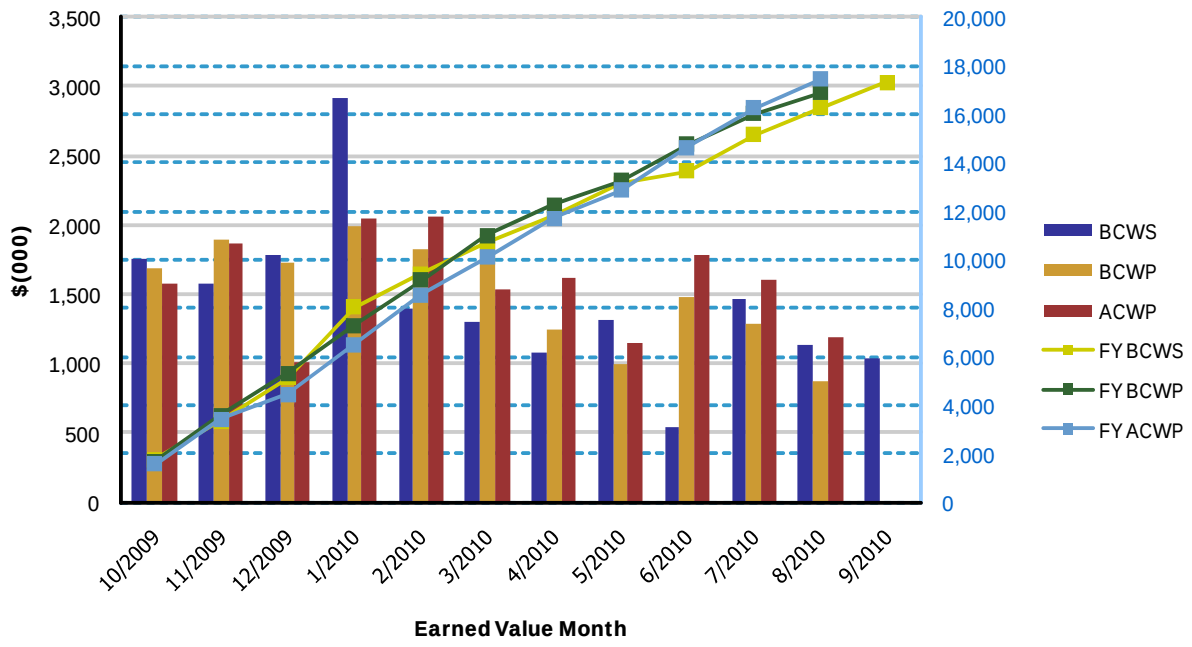
Data Set: FY 2010 Earned Value Data

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) – August 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 for BOF is 46%, engineering is 82%, procurement is 44% and construction is 59%.

Engineering

Engineering is focused on those activities necessary for the emergency diesel generator facility and completion of the Water Treatment Building and Steam plant. In addition, significant engineering progress was made on the ammonia reagent system (AMR) with the issuance of system requirements and calculations.

Procurement

The major focus has been on procurement of the Emergency Diesel Generators (EDGs). One bid proposal was received on August 31 for these generators. Procurement activities associated with the ammonia storage vessel continued with purchase order revisions being negotiated with the vendor to ensure that adequate materials qualification and testing are performed on the vessel materials of construction.

Construction

BNI continued to make progress on the anhydrous ammonia storage facility (AASF) by installing conduit for controls/instrumentation, installing formwork, rebar and embeds for electrical duct banks , installing pipe for the plant service air, domestic water, and ammonia reagent systems, and initiating installation of a cathodic protection system. BNI is also continuing work on multiple construction activities in the chiller compressor plant (CCP), water treatment facility (WTF), glass former storage facility (GFSF), and fuel oil facility. Equipment pads were completed for both the analytical laboratory and the low-activity waste facility.

BNI continued work on developing a cost effective solution for ashfall mitigation in the EDG facility using a mobile filtration system. BNI also continued working to resolve the issue on the use of double block and bleed valves for high energy systems in the Steam Plant.

Commissioning

BNI BOF Plant Operations worked with engineering to resolve steam plant non-compliances with the Operational Requirements Document. Plant Operations also continued walk downs and reviews of the Water Treatment Building in preparation for facility turnover from BNI Construction to Operations in Fiscal Year 2011.

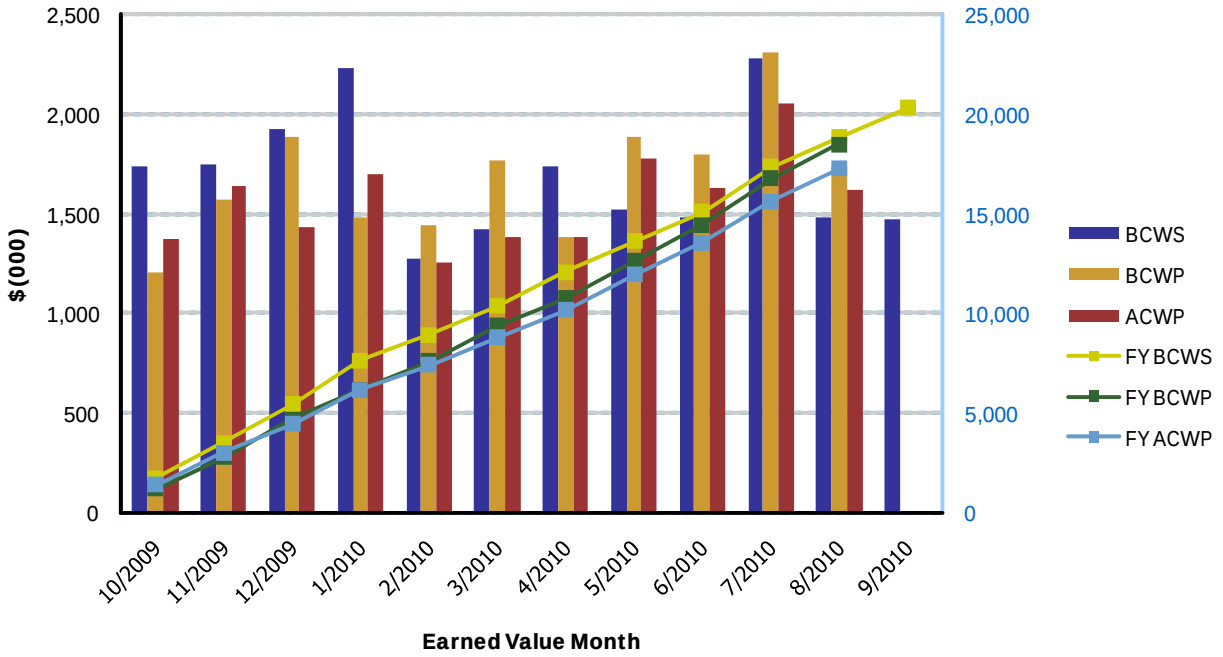
Data Set: FY 2010 Earned Value Data

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		
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	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.

ORP Project Managers Meeting
September 27-28, 2010
2440 Stevens Ctr.
Richland, Washington

Meeting Minutes Transmittal

Attachment D: Administrative Record Items

(3 pages including this coversheet)

ORP Project Managers Meeting
September 27-28, 2010
2440 Stevens Ctr.
Richland, Washington

Meeting Minutes Transmittal

MEETING MINUTES – Waste Management Area C Work Plan Revision Process Discussion

Meeting Date:	August 4, 2010
Location:	Ecology Offices, Room 31
Purpose:	Discuss the process for providing updates to Waste Management Area (WMA C) RFI/CMS Work Plan.
Attendees:	Jeff Lyon (Ecology), Mike Barnes (Ecology), Julie Robertson (WRPS), Jeff Luke (WRPS), Susan Eberlein (WRPS)

Background:

Characterization of WMA C is proceeding per the RFI/CMS Work Plan (RPP-PLAN-39114, Rev. 1). New information is being obtained that should lead to a revision to the Work Plan. A process is required to identify and provide updates to the plan (a TPA primary document) in a timely manner.

Discussion:

- In March 2010 Ecology approved RPP-PLAN-39114, Rev. 1 as a TPA primary document. In the approval letter, Ecology requested that ORP revise the document to update the schedule. The parties met in April 2010 and agreed on a specific set of changes that would be made to the work plan. The parties agreed that the changes would be processed under a TPA change control form (CCF) and transmitted to Ecology by July 31, 2010.
- In June 2010, Ecology informally transmitted a request for additional changes to the work plan.
- In July 2010, ORP informally transmitted to Ecology a TPA CCF and redlined changes to the work plan, incorporating changes agreed to in April. Ecology expressed a concern that their June request for additional changes was not addressed in the document redlines they received in July.
- WRPS explained that the full process to incorporate changes into a TPA primary document takes several months, and that there had not been time to incorporate the changes requested in June into the deliverable due in July. WRPS further explained that it is open to addressing the Ecology concerns raised in June, but that it might be advisable to consider incorporating only one set of changes at a time to ensure the proper TPA processes are followed and proper document configuration control is maintained.
- The attendees discussed a need to hold periodic (perhaps monthly) meetings of the project managers and technical staff to review new information generated as a result of the WMA C investigation and determine whether the information could drive changes to the characterization plans and/or the work plan. The meeting would also be used to discuss comments and questions forwarded by EPA to Ecology. It was proposed that meeting minutes would be recorded and signed by the project managers and entered into the Administrative Record.
- The attendees were uncertain whether the CCF transmitted in July had been signed. It was agreed that if the majority of the redlines transmitted in July were deemed acceptable, the preferred path forward would be to resolve any concerns associated with those redlines, then finalize the document revisions under the existing CCF. The concerns expressed in June would then be addressed in a subsequent revision transmitted under a TPA change notice.
- The parties noted that a meeting is scheduled for August 11 to review the latest Ecology concerns in greater detail so that the affected work plan text can be identified and redlines developed to address the concerns.

ORP Project Managers Meeting
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Meeting Minutes Transmittal

Actions:

- Jeff Luke will determine if a proposed set of changes to RPP-PLAN-39114 has been formally provided to Ecology with a signed TPA CCF. (Following this meeting, Bob Lober [ORP] clarified that TPA CCF M-45-10-2 had been signed by ORP and provided to Ecology at the July 2010 Project Manager Meeting.)
- Mike Barnes will review the draft set of redline changes that he received and identify any that are of concern.
- If the majority of the proposed set of changes are acceptable, any concerns associated with the redlines (e.g., Quality Assurance requirements) will be addressed, and the existing (draft or signed) TPA CCF will be processed.
- A meeting with Ecology, ORP, and WRPS will be held to discuss additional future changes (meeting set for August 11).
- A date for developing a future TPA change notice will be determined based on the number and scope of additional changes identified.

APPROVED:

R. W. Lober, ORP Project Manager — 9/27/2010 Date

J. J. Lyon, Ecology Project Manager — 9/27/2010 Date

Bartlett, Kelly J

From: Edwards, Pamela R
Sent: Wednesday, October 27, 2010 10:16 AM
To: Aardal, Janis D; Atkins, Barbara A; Babcock, Craig W; Bartlett, Kelly J; Baumann, Brian L; Beller, Mark A; Benham, Royce D; Bennion, Scott I; Birks, Philip S; Braswell, C E (Chet); Bratton, Gayla E; Corder, Joe S; Droddy, John A; Faulk, Steven M; Friday, Karolyn K; Grantham, Richard R; Gulley, Stephen M; Hensley, Linda J; Hough, Christine C; Howard, Barbra K (CAM); Ibsen, Thomas G; Keizer, Donna L; Korenkiewicz, Stephen L; Long, Shirley R; Louthan, Kimberly J; Morrell, Patricia A; Nevills, Jennifer A; Noonan, Carolyn P; Palm, Cecilia A; Pinkal, Delores M; Powell, Linda L (Lin); Price, Douglas G; Rathjen, Melinda K; Rinne, Calvin A; Rush, Steven F; Santo, James T; Schieffer, R A (Rick); Schultz, E A (Beth) (Hanford); Scott, Jaren L; Sinclair, Karen M; Smith, Deanna L; Spracklen, Michael L; Sterling, Scott S; Synoground, Linda; Thompson, Suzette A; Tucker, Bob; Webb, Debra E (Debbie); Weier, Carrie A; Weir, Sarah E; Wheeler, Kathryn A; Wight, Ronald H; Winters, Wyatt C; Alexander, Sandy K; Bamberger, Michael G; Brey, K Kristine; Coleman, Christopher L; Cook, Joseph W; Davis, Rosemarie; Dilorio, Michelle D; Faust, Gary L; Garcia, Jose gabriel C; Hages, Carla C; Hart, Patricia M (Patti); McNeill, Jeff S; Morales, Teodoro P (Ted); Myers henning, Kris; Olsen, Lars C; Peters, Nanci L; Puryear, Peggy L; Quigley, Kenneth M (Ken); Rensink, Gail L; Skogley, Gloria A; Tackett, Elizabeth; Vacca, Joseph; Van Meighem, Jeff S; Warren, Leigh A; Williams, C J (Char)
Cc: Morris, Karen R; Harville, L E (Harv); Nelson, Ronald L; Maloney, Ryan P; Edwards, Pamela R
Subject: OUO Updates

OUO SMEs,

A couple of items have come to my attention that I would like to remind you of (nothing new)...

1. Based on a memorandum from the Office of Nuclear Energy, we must mark Applied Technology (AT) information as OUO Exemption 5, *Privileged Information* as well as the appropriate AT marking. AT information is often ECI and as such would be OUO Exemption 3, *Statutory Exemption*. Multiple Exemptions for OUO is acceptable. This is not in the current procedures but will be in the next revisions. The AT information that we have as Hanford is FFTF related and within the CHPRC scope.
2. The proper "transmittal stamp" states: "Document transmitted contains OUO information When separated from attachment(s) , handle this document as non-sensitive information". It has come to my attention that there are some stamps that only states: "Document transmitted contains OUO information". If you have one of these stamps, please dispose of it and let me know you need a new one. I am placing an order shortly.
3. DOE has not yet sent a letter on the Hanford Identification (HID) Numbers NOT being OUO Exemption 6, *Personal Privacy*. Until we have that formal letter we must continue to treat HID as OUO.
4. **MSC OUO SMEs only:** Reminder, MSC Organization Charts are OUO Exemption 4, *Commercial/Proprietary*. Please ensure that you mark them accordingly.

Thanks for all you do!

Let me know if you have any suggestions or lessons learned to pass on!

Pam Edwards

OUO Information Protection Officer
MSA - Safeguards & Security
376-7175