

ORP Project Managers Meeting
January 24/25, 2011
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

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J. D. McDonald	Ecology	H0-57
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J. Price	Ecology	H0-57
H.M. Bowers	WRPS	R1-51
J.W. Donnelly	WRPS	R1-51
J. J. Luke	WRPS	R1-51
S. E. Killoy	WRPS	E6-20
R. J. Skwarek	WRPS	R2-50
S. L. Moore	MSA	H7-28
R. E. Piippo	MSA	H7-28
J. F. Ollero	MSA	H7-28

ADMINISTRATIVE RECORD – Heather Childers: H6-08

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

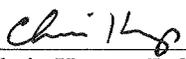
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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.



Bob Lober, DOE-ORP

Date: 3/22/2011



Chris Kemp, DOE-ORP

Date: 3/23/2011



Wahed Abdul, DOE-ORP

Date: 3/22/11



Jeff Trent, DOE-ORP

Date: 3/22/2011



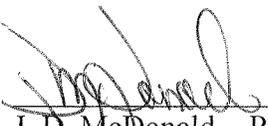
For Gary Olsen, DOE-ORP

Date: 3/22/2011



J. Lyon, Project Manager,
Washington State Department of Ecology

Date: 3/22/11



J.D. McDonald, Project Manager,
Washington State Department of Ecology

Date: 3-22-11

Purpose: ORP Project Managers Meeting

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1.0 Administrative Items

Previous meeting minute's approval: The October 26 and December 28, 2010 Project Managers Meeting (PMM) minutes were approved. This meeting was conducted over two days as the Tank Farms staff were not available to meet at the regular meeting time.

Consent Decree (CD) Approval Implementation Status: The format for the Project Summary for the monthly PMMs and the TPA Quarterly Milestone Review meetings is being revised and reviewed by ORP and Ecology.

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

The list of attendees for the January 24/25, 2011, meeting is provided as Attachment B. The monthly milestone review meeting status report and handouts are provided as Attachment C.

The next PMM is scheduled for March 22, 2011. The Quarterly Milestone Review meeting is scheduled for February 17, 2011.

Administrative Record Items (Attachment D)

The following documents were identified to be entered into the Administrative Record: The October and December 2010 PMM minutes; the October 27, 2010 meeting minutes on WMA C Work Plan revisions; WTP 2011 Top Ten Goals; and, Ecology letter dated 1/13/11 addressing jeopardizing milestone M-062-30 completion.

MSA stated that, at the request of the Department of Justice, two separate reports comprised of Consent Decree (CD) milestones and TPA milestones are now being provided to Ecology and the State of Oregon. Both reports will contain the project summary given by each facility. The CD and TPA reports will be entered into the Administrative Record each month, which meets a CD requirement.

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

Tank Farms (held on January 24, 2011)

M-045-58: This milestone is considered in abeyance until ORP, Ecology and EPA complete their negotiation of the AIP applicable to Appendix I of the TPA. ORP noted they are drafting a change package for Ecology's consideration the first part of February 2011.

M-045-60: ORP noted a change package is being developed for the sampling process. Characterization field work is ongoing.

M-045-92D: ORP noted a change package is being developed to move the date for construction complete from June to October to better use the summer months for construction.

M-045-62: ORP noted they expect delivery of the Phase 2 CMS Report for WMA C to be completed significantly ahead of the 6/30/15 schedule; expect it will be 2013.

M-045-92: Ecology asked if the construction of Barrier 2 is due in 2013 and ORP stated the construction would be completed in October of 2013 based on a TPA change package that is being developed. Ecology stated that date does not reflect the discussion at a previous meeting; ORP noted the change package will reflect the signed minutes from that meeting.

Significant Past Accomplishments:

- At C Farm in Hole 104 a diagonal push to 30' resulted in noise problems that ORP is trying to resolve by the end of this week related to hearing protection.
- The analysis for the 3-D SGE data collection of western 241-BY farm is ongoing; ORP expects a rough draft to be available in March.
- ORP is working on the 241-SX material selection and continue to work with Ecology on monitoring protocols.
- Participants have been identified for commencement of the DQO for the Phase 2 RFI-CMS work plan for WMA A/AX.

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Significant Planned Actions in the Next Six Months:

- ORP is working this weekend on the 3-D SGE characterization of UPR-82 in C Farm and should have it wrapped up by 2-2-11.
- ORP will have some TPA updates to the WMA C work plan looking at small mammal changes based on logistic changes.
- The next step for the DQO process for the Phase RFI-CMS work plan for WMA A/AX will be addressed at the meeting on 1-28-11.

ORP and Ecology went over the Key Document List and suggested several changes to it.

M-45-00 Milestone Series:

M-045-80: Ecology asked if ORP has modified and approved the C-200 Closure Plan based on comments from Ecology's attorney. ORP stated they would work with WRPS and Ecology legal staff to address those comments and will submit the changes via a letter. ORP will also prepare a change package to change the name of this milestone to "C-Farm Closure Plan" and will have that available in February.

M-045-81: Ecology asked for a 30 day extension on their review of the C-Farm Demonstration Plan documents (RPP-PLAN-47559) and ORP agreed.

M-045-86: ORP noted they would provide a separate retrieval data report to Ecology for all 19 tanks retrieved.

Significant Past Accomplishments:

- ORP thanked Ecology for their support during the installation of the C-107 large riser and they believe the job went well.

Significant Planned Activities in the Next Six Months:

- ORP noted the C-109 heel samples keeps getting pushed back and they do not have a date for this as yet.
- The C-108 hard heel retrieval system had an issue where the freeze protection did not work as the breaker appeared to have tripped and ORP had to repair some jumpers.
- ORP noted they hope to get the hydraulic arm and slurry pump issues resolved today.

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Issues:

- Ecology requested that ORP develop a Critical Path schedule in addition to the C-Farm Life Cycle Baseline that is already provided. Ecology noted this could be modeled after the C-111 retrieval. Ecology also noted that ORP shows two retrievals to be completed in six months and ORP stated they are not sure that can be accomplished.
- ORP noted that they need additional information on retrieval of C-111 as what is in the tank is a crust, not a heel. They were unable to obtain a sample in the early 1990's and are analyzing newer technology to determine if there are tools available that could obtain samples of this crust.

TWRWP Status

ORP is planning to talk informally with Ecology on development of retrieval technology and they are planning a revision to the retrieval sequence and technology document. Discussions also centered around the possibility of early startup and operations of the Low Activity Waste (LAW) facility in 2016 rather than 2019.

Issues:

Ecology asked that ORP address three issues:

- They want the subject of integration looked and ensure ORP understands what the life cycle should look like.
- ORP needs to look at the information needed for the report for M-062-49 and see what is needed to meet the Pre Treatment facility entering waste.
- ORP needs to review the Key Document List and rectify the discrepancies it has with the Project Manager's list on the TPA webpage (Action 100-xxx). Also the System Plan process needs to be addressed.

ORP and Ecology discussed the Key Document List and updated the ORP Lead as necessary.

M-045-91 Series – ORP stated that within the next six months they will start addressing the leak loss assessment process. Concurrent to this work activity there is also additional work scope ongoing.

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Interim Stabilization Consent Decree – ORP has provided Ecology with the quarterly written report for review. ORP and Ecology Legal staff need to meet and agree this Consent Decree is completed and petition the court to close this out.

In Tank Characterization and Summary – Ecology commented on RPP-RPT-48405, for the 241-A-350 Catch Tank report and noted this report was well organized and contains everything needed. This should be used as a model or guideline for future reports and is a good free-standing document.

M-062-40, System Plan – Ecology noted that the Key Document List (KDL) and the TPA show different due dates for M-062-40ZZ; the TPA is 10-31-2014 and the KDL is 9-30-2012. Ecology asked if ORP planned to work to the 2012 submittal date then a change package should be developed to make the TPA align with this earlier date. Ecology noted the KDL is what they look at to determine what their future workload will be.

M-062-30 – ORP and Ecology discussed the Ecology letter dated 1-13-2011 stating they believed ORP actions may jeopardize the completion of this milestone. ORP stated they understand where Ecology is coming from and will be meeting on this subject. ORP assured Ecology there would be adequate coverage for the 2-10-2011 pre-Quarterly meeting to address this subject.

Action Items List

The discussion regarding the Action Items List is reflected in Appendix A, attached.

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Waste Treatment Plant (held on January 25, 2011)

Ecology initiated a discussion regarding the subject of integration between the Waste Treatment Plant (WTP) and Tank Farms, which was brought up during the tank farm portion of the PMM held on 1/24/11. Ecology stated that if the Low Activity Waste facility (LAW) is started in 2016 as planned, and the WTP is running by 2020, that it is critical for ORP to define integration and start working with Ecology now on planning and implementation.

A second issue that Ecology raised for discussion was the status of M-062-49. Ecology stated that since this is a WTP milestone, a project manager from the WTP program should be assigned and responsible for the milestone. Ecology noted that this milestone is on a critical path, with a due date of October 2011, and there is a significant amount of work that needs to be done. This was identified as an action for ORP to identify an owner for this milestone by the February meeting (Action 100-218).

Significant Past Accomplishments

Ecology inquired about the availability of the construction project review (CPR) report that was conducted in November 2010. ORP stated that the report was issued and signed on 1/19/11 and they will notify Ecology of the availability of the report by close of business 1/25/11.

Earned Value Management System (EVMS)

ORP reported that the values for percentages complete reported this month have dropped slightly from the previous month, most notably with engineering. The major technical issues (HPAV, CXP, M3, etc.) were processed and included in baseline change proposal (BCP) 5085, which was incorporated into the project baseline in December 2010. A second BCP will be incorporated for January with some carryover into February, which will include all of the changes associated with updating the estimated completion for the project.

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Pre-Treatment (PT) Facility:

Significant Past Accomplishments

ORP stated that since the technical issues have been resolved and incorporated into the project baseline it is now a matter of maintaining the baseline at or above 1.01 and executing to the baseline. Ecology asked if updated critical paths will be available, especially in light of the Forecast Update 4 initiative that has been completed. ORP indicated that once the BCPs are incorporated into the baseline in January and February 2011, a full schedule showing the critical paths will be provided to Ecology.

ORP stated that the cost for large scale testing has not been incorporated into the new baseline, and a portion of it should be funded through Bechtel's management reserve. The large scale testing will be broken into four phases: validating the scaling (August 2012); integrated operation commissioning; life cycle operations; optimization and operation. Ecology asked if phase 1 and 2 were funded. ORP responded that none of the four phases were funded, and by May 2011 the funding for phase 1 would need to be available.

ORP distributed a handout listing PT's 2011 top ten goals. Ecology asked if a schedule had been established for the goals and ORP responded these will be included in the schedule discussed above. ORP noted that the installation of 100,000 linear feet of pipe this year is a stretch goal, and above the baseline goal, but there is a focus and incentive from management to achieve the goal. Placing 7,250 cubic yards of concrete is also a stretch goal above the baseline, but ORP believes it can be achieved.

ORP noted that releasing procurement of the Pretreatment Vessel Vent and Pretreatment Vent Process (PVV/PVP) equipment is on hold due to a technical issue associated with the calculation for the HEPA filter load. Bechtel is working two paths for resolution: additional testing on the HEPA filter load; and a design modification for incorporating new equipment to reduce the solid in the filtration system.

Issues

Bechtel completed the LAW feed receipt vessel (FRP) analysis and discovered the vessel is overstressed, which has required additional analysis to explore ways to avoid modification. Ecology asked if WTP is coordinating with tank farms so they understand the potential impact and ORP stated there have been many discussions on this issue.

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Ecology summarized that the stress is increased by the combination of seismic and dynamic load increases and the liquids in the tank, and that those increases create stress points that ORP is trying to mitigate. ORP concurred and stated that April 2011 is an approximate time frame for determining a path forward.

Ecology inquired about the final revisions to the CXP evaporator system and ORP stated it is expecting to meet with Bechtel sometime in February 2011 to discuss the CXP revisions. Ecology asked to be included during that meeting and ORP stated a meeting is scheduled for 1/26/11 with Ecology to discuss this issue.

High Level Waste:

The focus continues on the filter cave buildout as the critical path. Most of the material and equipment fabrication and delivery are on schedule to support the construction schedule. Installation of the duct work in the filter cave is scheduled to start this week and installation of the duct work, pipe, structural steel, HEPA filters and dampers is expected to take about 13 months. ORP stated that the schedule is currently at zero float. Ecology asked if ORP anticipates gaining on the zero float position and ORP responded that it did not foresee any gain, but the expectation is that the schedule will be maintained. The dampers, which are expected to be delivered in June and July 2011, will be driving the critical path.

The fabrication and delivery of vessels is being tracked closely. BNI has not been satisfied with the vendor that is building vessel RLD-8, and the decision was made to re-compete the contract to build vessel RLD-7. RLD-7 is the plant wash and drain vessel. The contract is out for bid and will be awarded March 23, 2011, and the vessel is scheduled to be installed in late spring of 2012.

Low Activity Waste (LAW) Facility:

Significant Past Accomplishments

ORP stated that there are about seven months of float against the schedule for the first milestone due in 2014. ORP stated that the technical issues incorporated into the baseline schedule includes the sequential operational readiness review (ORR). ORP noted that this provides a schedule that is aligned with the execution strategy for hot commissioning in 2016. Ecology noted that the current milestones are set for cold commissioning in 2018 and hot commissioning in 2019, and asked if there is an alternate plan against the dates if hot commissioning starts in 2016. Ecology pointed out that if the LAW facility

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Construction Substantially Complete milestone is met in 2014, then the 2016 vision would leave a maximum of 24 months to accomplish ORR and everything else that is needed to be ready for startup. ORP responded that all of those issues have been considered, and it is believed that hot commissioning in 2016 can be met, although it is recognized that the schedule will be tight. ORP stated that the scheduling for 2016 hot commissioning has not been planned out yet, and Ecology requested further discussion at the next PMM regarding the planning for 2016. Ecology expressed concern about what the requirements would be in order to satisfy hot start in 2016. Ecology also noted there are implications associated with tank farms providing appropriate feed earlier than planned.

ORP reported that the contract was awarded for the thermal catalytic oxidizer (TCO) in August 2010, but the vendor did not meet their contract date and their contract was stopped. The contract has been re-awarded, and ORP is taking aggressive management actions on the TCO procurement. There are several months of float against the schedule before the TCO will be considered critical path, but it is a concern and being closely watched.

A surveillance was conducted on the EVMS from the subcontractor reporting to Bechtel, and over-reporting errors were found. The subcontractor was reporting more work done than was actually completed. Work assigned to the subcontractor has been halted, and Bechtel has hired its own crew. The crew is installing walls at the +48 foot level in an effort to determine whether the process is more cost-effective.

ORP pointed out the negative 52.6 SPI reported in December 2010 is associated with the over-reporting in construction subcontracts. The negative 52.6 does not reflect negative schedule work, and the error has been corrected. ORP also noted that the cost performance in LAW has not been acceptable, and a letter was sent to Bechtel in November 2010 requesting a recovery plan. Bechtel has taken a number of actions to bring the cost performance in line, one of which was to respond to ORP's implementation of a number of baseline changes to supplement and/or replan work to align with the execution strategy in LAW. Organizational changes have been made that will provide more day-to-day oversight management (discussed in the WTP EVMS portion of today's minutes). Another action is establishing a finishing team whose sole job is to help all the facilities, initially starting with Balance of Facilities (BOF), to reach completion of the work. A senior level manager is being assigned to be in charge of just the LAW facility.

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Ecology asked if there will be any type of ORR activities and ORP responded that there will be an ORR type of activity for LAW, HLW, PT and LAB. LAW and LAB will be the first facilities to undergo a formal documented process where construction turns over a system and/or building to the commissioning group. A review of the process is planned this summer, and the process for LAW and LAB is scheduled sometime in 2015. Ecology asked about the status of the permitting process, specifically the operating conditions, which then could be referred to during the ORR process to validate and verify the operational conditions. ORP responded that the operational permitting conditions are being considered, and that meetings should be scheduled with Ecology to develop the operating permit.

Analytical Laboratory (LAB)

ORP reported that there are two remaining major subcontracts in the LAB to be completed. One is the architectural specialties which will finish out the building, and the second is for the high purity gas lines for all the analytical instruments. Work has started on the higher level documents for analytical methods, and installation of the automatic sampling system in the LAB building will start this year. Ecology asked if the Construction Substantially Complete milestone is on track for 12/31/12 and ORP responded that the milestone is on schedule. Otherwise, the LAB is progressing well and there are no issues.

Balance of Facilities (BOF):

Procurement of the emergency diesel generator (EDG) and facility is being watched closely. There was one responsive proposal but the dollar value was significantly higher than expected. ORP and Bechtel met with the vendor in December 2010 to review the heaviest cost drivers in the proposal; the specification was revised, and the vendor is reviewing it. A revised estimate from the vendor is anticipated in two to three weeks.

Ecology asked if there are any potential issues with LAW that would require the EDG support. ORP responded that the EDGs will be for HLW and PT in the event of a loss of power to put the facilities in a safe configuration. The biggest hazard in LAW is the chemical hazard from the melt pool and the offgas system. It has been calculated that the exhaust and treatment system can be run for a couple hours with batteries if there was a loss of power.

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The option of a diesel (gas) turbine generator is being considered. The advantages are simpler maintenance and less moving parts, however, the turbine generators take about 40 seconds to accept the electrical load, whereas the EDGs take about 12 seconds. How quickly the electrical transfer needs to happen is being considered from a safety perspective.

ORP responded to Ecology's question about the CO₂ vessel delivery as the vessel is about 100 feet long and there are transportation issues to deal with. The delivery is anticipated by the middle of February 2011.

3.0 Agreements

MSA stated that Milestones M-062-20, M-062-01U and M-062-01V have been completed and were reported at the last Quarterly Review meeting. Once milestones have been completed and reported in a quarter, they are removed from the report. Ecology noted that even though M-062-20 is listed as completed on 8/20/10, the resolution of the 28 technical issues is considered as closing the first phase, and there is still a significant amount of work remaining before closing all of the technical issues to ensure the plant can be run with the Newtonian and non-Newtonian vessels according to plan. ORP agreed, with the caveat that there is general agreement and confidence with the Newtonian vessels, but confidence with the non-Newtonian vessels remains an issue.

4.0 Upcoming Meetings

The next PMM is scheduled for March 22, 2011. The Quarterly Milestone Review meeting is scheduled for February 17, 2011.

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

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**ORP Action Items
 1-25-11 PMM**

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-167	ORP	W. Russell/ J. Lynch	General	Develop spreadsheet of document deliverables, scheduling tool of when due, status of Ecology review	3-23-10	1-24-11: Key document list updated and discussed at future PMMs & quarterlies.
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 thru D and M-45-13A thru D milestone path forward.	4-27-10	1-24-11: Still in progress.
X	100-177	ORP	J. Long/ J. Johnson	Tank Farms	Provide Ecology with the WRPS evaluation report on S-102.	4-27-10	1-24-11: Closed Ecology will send a response closing this out.
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	1-24-11: Can be closed and have one more Quarterly report.
O	100-189	ORP	C. Kemp	Tank Farms	Provide Ecology a briefing on the Critical Path for A-AX Farms	5-20-10	1-24-11: Need to agree on what CP is and move on.
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	1-24-11: Open; no new status.
O	100-202	ORP	R. Lober	Tank Farms	Schedule meeting with Ecology to discuss ongoing work in SX design	9-27-10	1-24-11: On-going meetings are being held.
O	100-204	ORP/ WRPS	C. Kemp/ J. Luke	Tank Farms	Provide hard heel dissolution DQO to Ecology.	9-27-10	1-24-11: Scheduled to start in February.

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Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-208	ORP	J. Diediker	Tank Farms	Provide Ecology the 222-S lab performance information. These will be tracked at the regular PMMs.	10-26-10	1-24-11: Not addressed.
O	100-212	ORP	C. Kemp	Tank Farms	Provide Ecology with a critical path schedule one level of detail below the M-045-61 milestone for WMA-C	12-28-10	1-24-11: CP discussion ongoing with Ecology.
X	100-213	ORP	C. Kemp	Tank Farms	Provide Ecology with ORP's proposed submittal date for the second RFI/CMS work plan.	12-28-10	1-24-11: Closed
X	100-214	ORP	C. Kemp	Tank Farms	Provide Ecology with ORP's proposed submittal date for the third RFI/CMS work plan.	12-28-10	1-24-11: Closed
O	100-215	ORP	C. Kemp	Tank Farms	Provide Ecology with ORP's critical path schedule for retrieval of the next WMA after C Farm	12-28-10	1-24-11: Need to finish depending on B2 tank discussions.
O	100-216	ORP	C. Kemp	Tank Farms	ORP will coordinate with WRPS on responding to AG comments on C Farm demo plan.	1-24-11	Open
O	100-217	ORP	J. Lynch	ORP	ORP needs to ensure the Key Document List Project Managers correctly reflect what is available on the TPA web page PM list.	1-24-11	Open
O	100-218	ORP	J. Trent	WTP	Provide Ecology with the name of the owner for M-062-49 by next month.	1-25-11	Open

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Attachment B: List of Attendees

(4 pages including this coversheet)

ATTENDANCE LOG

DATE: January 25, 2011

PURPOSE: ORP WTP Monthly Status Meeting

NAME	ORG.	PHONE #
Sonya Moore	MSA/TPA	372-3320
Jeff Trent	DOE	205-7116
Wahed Abdul	DOE	438-0455
Kathy Knox	Knox Reporting	946-5535
Jan McDonald	ECY	372-7988
DAVID MEARS	ECY	372-7899
John Price	ECY	372-7921
Jennifer Overo	MSA/TPA	373-0275
Millie Artz	MSA	376-6188
BOB PIERCE	MSA	373-3285
Toufou	DOE	376-4124
KITTY BRYAN	DOE	205-8457
JAMES LYNCH	DOE/ORP	376-4170
Traey Gao	ECY	372-7901
Robbie Biyani	ECY	372-7884
Gary Olsen	DOE	438-4707

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Attachment C: Presentation Materials

ORP TPA Project Summary and Handouts

(43 pages)

And

ORP Consent Decree Project Summary and Handouts

(27 pages)

(71 pages including this coversheet)

Office of River Protection
Tri-Party Agreement
Project Summary Report
January 24, 2011



Office of River Protection
Tri-Party Agreement
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Page	Topic	Leads	Time
Monday, January 24, 2011, 12:30 p.m. – 2:00 p.m.			
1	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	12:30
4	M-45-00, Complete Closure of All Single-Shell Tank Farms - Tank in Appendix H Status - 242-A Evaporator Status	Chris Kemp / Jeff Lyon	12:45
11	M-45-91, SST Integrity Assurance	Jeremy Johnson/ Michelle Hendrickson	1:00
14	Interim Stabilization Consent Decree	Jeremy Johnson/ Nancy Uziemblo	1:10
15	In Tank Characterization and Summary	Jeremy Johnson / Michael Barnes	1:15
16	M-62-40, System Plan	Ron Koll / Dan McDonald	1:20
17	Tank Farm Project EVMS Status (Cost & Schedule Performance)	Kathy Higgins / Dan McDonald / Jeff Lyon	1:25
23	Complete Acquisition of New Facilities and Submit Part B Permit Applications - M-90-00 - M-47-00 - M-62-40	Glyn Trenchard / Dan McDonald	1:40
25	Statistics / Status	Woody Russell / Dan McDonald / Jeff Lyon	1:50
30	WTP TPA Milestone Information	Woody Russell / Dan McDonald / Jeff Lyon	1:55
Tuesday, January 25, 2011, 10:30 p.m. – 12:00 p.m.			
	SST Retrieval and Closure - D-00B-01, -02, -03, -04 - TWRWP Status	Chris Kemp / Jeff Lyon	10:30
	Statistics / Status	Woody Russell / Dan McDonald / Jeff Lyon	
30	WTP - Immobilization Plant Project M-62-20 - M-62-01U, -01V, M-062-49	Wahed Abdul / Jeff Trent / Gary Olsen/ Dan McDonald	10:50
32	WTP Pretreatment (PT) Facility	Wahed Abdul / Dan McDonald	11:00
34	High-Level Waste (HLW) Facility	Jeff Trent / Dan McDonald	11:15
35	Low-Activity Waste (LAW) Facility	Gary Olsen / Dan McDonald	11:30
36	Analytical Laboratory (LAB)		11:30
37	Balance of Facilities (BOF)		11:45

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-58, 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. ORP transmitted its response to Ecology on August 18, 2010. Ecology extended review of comment responses to October 29, 2010. Ecology requested at the October PMM a two week extension from October 27, 2010. ORP acknowledged that Ecology's comment response will be considered in abeyance until DOE-ORP, Ecology, and EPA complete their negotiation of the AIP applicable to Appendix I. Ecology assumed that negotiations would be done December 24, 2010. They have been extended.

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, Due: 12/31/08, Status: Complete.

ORP and Ecology continue to meet monthly to identify and manage changes in the workplan. Last meeting was November 17, 2010. (The December meeting was not held due to the holidays. The next meeting is planned for January 27, 2011.) Meeting minutes for the November 17 session have been mutually signed by the parties and are being documented via approved meeting minutes entered into TPA administrative record and applicable change requests.

M-045-92A, DOE and Ecology will establish, no later than March 31, 2010, selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 3/31/2010, Status: Complete

M-045-92B, DOE shall submit to Ecology for approval, a final design and monitoring plan for TY farm interim barrier, Due: 3/31/2010, Status: Complete

M-045-92C, Complete Installation of TY farm interim barrier, Due: 9/30/2010, Status: Complete

M-045-90, Complete interim barrier demonstration report for the T-106 interim barrier, which report shall include a recommendation and commitment on whether to proceed with additional interim barriers and an evaluation of the barrier's ability to reduce water infiltration that drives migration of subsurface contamination to groundwater, Due: 9/30/2010, Status: Complete

M-045-92D, Complete negotiations to schedule the remaining 4 additional barriers, unless DOE and Ecology agree that monitoring data does not support continued installation of interim barriers. Due: 12/31/2010, Status: Complete (12/7/10).

“If negotiated, complete installation of 4 additional interim barriers at a rate of one per year, with the first being completed by June 30, 2012. Prior to beginning construction and at least one year before construction is to be complete (06/30/2011), DOE will submit to Ecology a final design and monitoring plan for each interim barrier.”

In the 12/7/10 meeting, Ecology and ORP agreed to develop a change package moving the due date for the third barrier from June 30, 2012 to October 30, 2012, with the final design and monitoring plan to be completed by June 30, 2011 (16 months prior). The rationale for moving the due date back is to take full advantage of the construction season.

M-045-92E, DOE and Ecology will meet yearly to review the monitoring data, agree to changes in monitoring (if needed) and assess the performance of the demonstration barrier, Due: 12/31/2010, Status: Complete (12/7/10).

M-045-56G, Complete Implementation of Agreed to Interim Measures, Due: 07/31/11, Status: On Schedule

M-045-92F, DOE and Ecology will meet yearly to review the monitoring data, agree to changes in monitoring (if needed) and assess the performance of the demonstration barrier, Due: 12/31/2011, Status: On Schedule

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/14, Status: On Schedule

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Report for WMA C, Due: 06/30/2015, Status: On Schedule

M-045-92, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 9/30/2016, Status: On Schedule

M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAs (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule

Significant Past Accomplishments:

- T-Farm interim barrier monitoring continues.
- TY Interim Barrier Construction completed. Monitoring continues.
- 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 remediation technology assessments in support of a Corrective Measures Study for WMA C.
- Completed 3-D SGE data collection of western 241-BY farm, using depth electrodes placed by direct push; analysis is underway.
- Continued design activities for a surface barrier in 241-SX farm.

- Initiated direct push campaign in eastern BY farm, supporting Interim Barrier.
- Initiated the Data Quality Objective process for the Phase 2 RFI-CMS work plan for WMA A/AX.

Significant Planned Actions in the Next Six Months:

- Continue direct push campaign in C Farm.
- Complete direct push campaign in Eastern BY Farm, supporting Interim Barrier Design and Placement.
- Initiate direct push campaign in one additional area in support of a future interim barrier.
- Complete resistivity data analysis for western BY Farm, supporting interim barrier design.
- Perform resistivity data collection for 3-D SGE characterization of UPR-82 in C Farm.
- Continue remediation 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.
- Continue the Data Quality Objective process for the Phase 2 RFI/CMS work plan for waste management area A/AX.

Issues:

Due to the extension of the AIP negotiations, Ecology would like to continue to resolve the ORP response to Ecology's request for additional RFI/CMS milestones.

SST Retrieval and Closure Program

M-045-100, Submit as a primary document a Catch Tank "assumed leak response plan,
Due: 12/27/10, Status: Complete (12/28/10).

M-045-101, Submit to Ecology as a primary document a report on all catch tanks and associated pipelines in the SST System Part A, Due: 12/27/10, Status: Complete (12/28/10).

M-045-80, Complete those portions of C-200 Closure Demonstration Plan, Due: 1/31/2011
Status: On Schedule. The four deliverables required under M-045-80 have been completed and were formally transmitted from ORP to Ecology via 10-TPD-166 on December 26, 2010.

M-045-81, Implement & complete all remaining activities in C-200 Closure Plan and provide a report of the results of those activities, Due: 9/30/2014, Status: On Schedule. The first deliverable specified in the closure demonstration plan, a Pipeline Feasibility Study, has been completed and was formally transmitted from ORP to Ecology via 10-TPD-166 on December 26, 2010.

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due: 9/30/2015
Status: On Schedule

M-045-84, Complete negotiations of TPA interim MS for closure of second WMA, Due: 1/31/2017,
Status: On Schedule

M-045-83, Complete the closure of WMA C, Due: 6/30/2019, Status: On Schedule

M-045-85, Complete negotiations of TPA interim MS for closure of remaining WMAs, Due: 1/31/2022,
Status: On Schedule

M-045-70, Complete waste retrieval from all remaining SSTs, Due: 12/31/2040, Status: On
Schedule

M-045-00, Complete Closure of all Single Shell Tank Farms, Due: 1/31/2043, Status: On
Schedule

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: TBD (12
months after retrieval certification), Status: On Schedule

Significant Past Accomplishments:

- Completed installation of AMS for the restart of the C-104 retrieval.
- Prepared the technical sampling and analysis plan for 241-C-109, RPP-PLAN-47927.
- Started receiving sample analysis draft results of the hard heel material removed from C-110.
- Continued testing of a MARS sluice educator system at Columbia Energy in Pasco and continued testing of the Columbia Test Center for testing of the MARS sluicing system.
- Continued design activities for C-112 sluicing system.
- Completed installation of C-107 large riser in preparation for the Mobile Arm Retrieval system vacuum end-effector.

Significant Planned Activities in the Next Six Months:

- Obtain C-109 heel samples
- 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 C-111 retrieval.
- Complete C-112 design and initiate procurement.
- Operate hydraulic arm Articulating Mast System (AMS) into C-104 to aid removal of obstruction underneath slurry pump and resume and complete C-104 retrieval.
- Finish testing of the MARS with the vacuum educator.

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 Winter of 2011.
- Ecology would like to get a critical path from USDOE for WMA-C Closure including EIS deliverables by the February Quarterly Meeting. This request was put on the Action Log.
- The Richland Office of USDOE has proposed an IS-1 alternate to the planned deliverable, as we understand the "IS-1 Common Vision" discussion on 1-18-11. IS-1 requires the delivery of an RFI/CMS that would include Tank Farm Pipelines. Ecology remains unclear on the objective of the USDOE Plans for IS-1 but must have this work plan to ensure that we can complete the SST Closure plan on schedule for the TPA milestones. This should be included in the Critical path as well.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria

Tank 241-C-106

Significant Past Accomplishments:

None

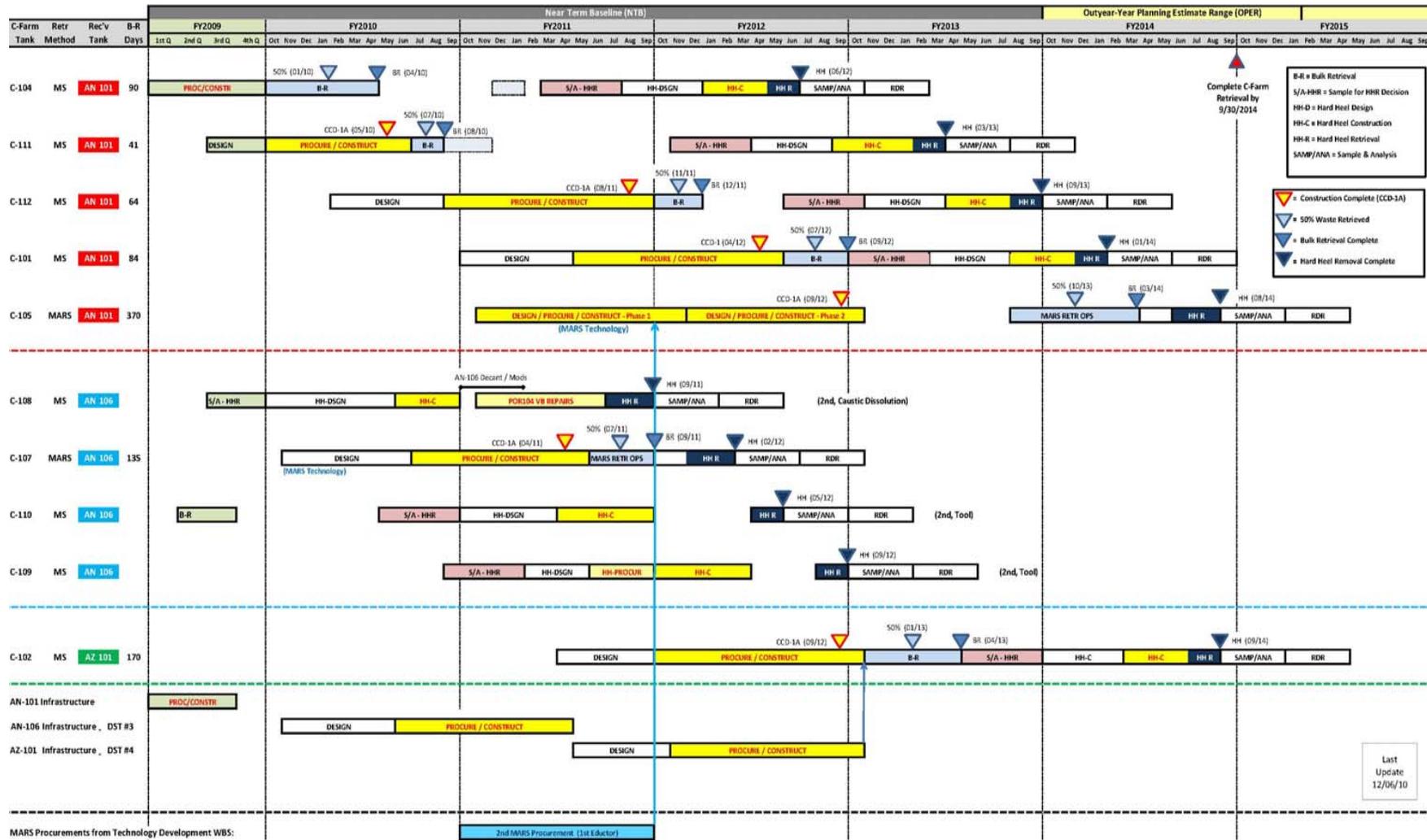
Significant Planned Activities in the Next Six Months:

- 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.

Issues:

C-Farm Life Cycle Baseline 2014 Compliance Schedule

C-Farm Retrieval 12/7/2010 Reflects Baseline as of 12/3/10 (incorporates BCRs-032 and 033)



Tank Retrievals with Individual Milestones

Tank 241-S-102

M-045-15, 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-045-15A, 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-045-15B, 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-045-15C, 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-045-15D, 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.

Significant Past Accomplishments:

None

Significant Planned Activities in the Next Six Months:

None

Issues:

- Tank S-102 retrieval by June 30, 2011 is at risk. It is technically imprudent to attempt to accelerate retrieval of S-102, at this time, because of the rheological nature of the waste.
- In a letter dated August 15, 2006, Ecology stated that submittal of Component Closure Activity Plans, for retrieved tanks, should continue to be suspended until June 30, 2009, or within 120 days after the Final Tank Closure and Waste Management Environmental Impact Statement (TC&WM EIS) Record Of Decision (ROD) is issued, whichever is earlier. In a letter dated November 12, 2009, Ecology extended its suspension until 180 days after the issuance of the final TC&WM EIS. It is anticipated that the final TC&WM EIS will not be issued until the Winter 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

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: TBD (in accordance with M-045-84 or M-045-85), Status: On Schedule

M-045-13E, Complete Negotiations for Interim Milestones for Closure of S-112, Due: TBD Status: On Schedule as part of M-045-84 and M-045-85.

Significant Past Accomplishments:

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

Significant Planned Activities in the Next Six Months:

None

Issues:

None

Complete Closure of Double Shell Tanks

M-042-00A, Complete closure of all double shell tank farms, Due: TBD, based upon completion of retrieval under M-62-45 plus 5 yrs but no later than 9/30/2052 Status: On Schedule

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

None

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

242-A Campaign strategy:

One (1) cold run (utilizing water only) and two (2) waste processing campaigns were completed in FY2010. No campaigns are anticipated in FY2011 due to ongoing 242-A and Tank Farm Life Extension and ARRA funded facility upgrades. The 242-A Campaign Strategy for FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 5, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	10-01	AW-106	AW-106	Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010. Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY10	10-02	AW-106	AW-106	
FY11	NA	NA	NA	No campaign planned in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	12-01	AP-107 AZ-102	AP-104 AP-107	Estimated start June 2012. Anticipates blending AZ-102 high cesium concentration with AP-107 waste. May require two (2) passes to achieve waste volume reduction.
FY12	12-02	AP-107 AZ-102	AP-107	Estimated start August 2012. Anticipates blending AZ-102 high cesium concentration with AP-107 waste. May require two (2) passes to achieve waste volume reduction.
FY13	13-01	AW-106	AP-107	Estimated start March 2013. Two (2) passes required.
FY13	13-02	AZ-101 AN-101 AW-106	AP-107	Estimated start September 2013. Two (2) passes required.
FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

SST Integrity Assurance

M-045-91, Establish panel and provide report on SST integrity assurance review, Due: 9/30/2010, Status: Completed

M-045-91A, Submit an agreement change package with interim milestones to implement the panels recommendations, Due: 12/29/2010, Status: Completed (9/27/10).

M-045-91G-T05, Provide to Ecology a report documenting and evaluating the visual inspection of 12 SSTs per the criteria listed in Table 3.3 in RPP-PLAN-46847, Rev.0, Due: 3/31/2011, Status: On Schedule

M-045-91B, Submit a Sampling and Analysis Plan to Ecology for the sampling of sidewall cores from tank 241-A-106 or alternate tank approved by Ecology, Due: 12/30/2011, Status: On Schedule

M-045-91C, implement the DQO process to develop and provide Ecology a Test Plan to evaluate the chemistries as specified in RPP-RPT-43 116. Rev 0, Due: 9/30/2011, Status: On Schedule

M-045-91G-T01, Provide to Ecology the Structural Analyses of Record final documentation for SSTs for 530, 000 gallon tanks (B, BX, C, T and U Farms), Due: 9/30/2011, Status: On Schedule

M-045-91F-T01, Provide to Ecology as a HFFACO secondary document a report evaluating the applicability to Hanford SSTs of the liquid leak rate assessments of sludge and salt-cake from the Savannah River Site, Due: 1/31/2012, Status: On Schedule

M-045-91F-T02, Provide to Ecology as a HFFACO secondary document a report evaluating the common factors of liner failures for SSTs that have leaked and will provide recommendations as appropriate, such as enhanced Leak Detection, Monitoring, and Mitigation, Due: 1/31/2012, Status: On Schedule

M-045-91G-T02, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 750,000 gallon tanks (BY, S, TX and TY Farms), Due: 1/31/2012, Status: On Schedule

M-045-91D, Submit to Ecology an analytical test plan for the cores removed from the C-107 plug, Due: 3/31/2012, Status: On Schedule

M-045-91G-T06, Provide to Ecology a report documenting and evaluating the visual inspection of 12 SSTs per the criteria in M-045-91G-T05, Due: 3/31/2012, Status: On Schedule

M-045-91G-T03, Provide to Ecology the Structural Analyses of Record final documentation for SSTs for 1,000,000 gallon tanks (A, AX and SX Farms), Due: 9/30/2012, Status: On Schedule

M-045-91D-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis performed on the concrete dome samples obtained from the Tank C-107 plug, Due: 5/31/2013, Status: On Schedule

M-045-91F-T03, Provide to Ecology, as a HFFACO secondary document a report assessing the feasibility of testing for ionic conductivity between the inside and outside of SSTs, Due: 5/31/2013, Status: On Schedule

M-045-91F-T04, provide to Ecology, as a HFFACO secondary document, a report on the 100-series single-shell tanks which have been or will be identified as having leaked in RPP-32681, Rev 0, Due: 7/31/2013, Status: On Schedule

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, Status: On Schedule

M-045-91G-T04, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 55,000 gallon tanks (B, C, T and U Farms), Due: 10/31/2013, Status: On Schedule

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through -T04, Due: 12/31/2013, Status: On Schedule

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: On Schedule

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis, performed on the concrete core obtained from Tank A- 106 or alternate tank, Due: 9/30/2014, Status: On Schedule

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series milestones to date, Due: 7/31/2015, Status: On Schedule

M-045-91I, Provide to Ecology an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: 9/30/2018, Status: On Schedule

Significant Past Accomplishments:

- Change Package M-45-10-01 was signed by ORP on 12/28/10 and Ecology on 1/3/11.

Significant Planned Actions in the Next Six Months:

- Begin DQO sessions for side wall coring. First meeting scheduled for 2/8/11.
- Begin analytical test plan development for C-107 dome core analyses efforts.
- Begin developing a Test Plan to investigate chemistries as specified in RPP-43116.

Issues:

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

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

Due: 09/30/04

Status: Completed on 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.

On October 21, 2010, ORP received a letter from Ecology notifying ORP of Ecology's decision to require ORP to Interim Stabilize tank 241-S-102 within 18 months of receipt of its notification. ORP transmitted the required documentation to Ecology to demonstrate that tank 241-S-102 meets the requirements for interim stabilization, as set forth in Case Number CT-99-5076, Third Amendment on December 9, 2010 via letter 10-TPD-163.

II. Significant Accomplishments:

- **D-001-00-R46, Quarterly Written Report**, Due: 10/31/10, Status: Completed 10/28/2010
- Formal documentation for completion of S-102 interim stabilization submitted to Ecology 12/9/10

III. Significant Planned Actions in the Next 6 Months:

- Prepare and submit formal documentation that S-102 is interim stabilized.
- **D-001-00-R47, Quarterly Written Report**, Due: 01/31/2011, Status: On Schedule

IV. Issues

- Tank S-102 retrieval by June 30, 2011 is at risk. It is technically imprudent to attempt to accelerate retrieval of S-102, at this time, because of the rheological nature of the waste.

In Tank Characterization and Summary

For the period from December 1 – December 31, 2010:

I. Accomplishments:

- Completed revision 0 of RPP-RPT-48103, *Derivation of Best-Basis Inventory for Tank 241-AP-107*, on December 3, 2010.
- Completed revision 2 of RPP-RPT-46792, *Derivation of Best-Basis Inventory for Tank 241-AW-102*, on December 20, 2010.
- Completed revision 1 of RPP-RPT-46686, *Derivation of Best-Basis Inventory for Tank 241-AW-106*, on December 7, 2010.
- Completed revision 3 of RPP-RPT-44814, *Derivation of Best-Basis Inventory for Tank 241-AN-101*, on December 21, 2010.
- Completed revision 1 of RPP-RPT-46772, *Derivation of Best-Basis Inventory for Tank 241-AN-107*, on December 20, 2010.
- Completed revision 2 of RPP-RPT-44637, *Derivation of Best-Basis Inventory for Tank 241-AZ-101*, on December 20, 2010.
- Completed revision 0 of RPP-RPT-48459, *Derivation of Best-Basis Inventory for Tank 241-C-111*, on December 17, 2010.
- Completed revision 0 of data package RPP-RPT-48405, *Final Report for Liquid and Solid Samples from Catch Tank 241-A-350*, on December 27, 2010.

II. Planned Action within the next Six Months:

- Tank Sampling
 - HEPA filter sampling scheduled for January 2011.
 - Tank 241-C-109 off riser sampling scheduled for January 2011.
 - Tank 241-AY-101 corrosion mitigation grab samples scheduled for April 2011.
 - Tank 241-AP-105 corrosion mitigation grab samples scheduled for March 2011.
 - Tank 241-C-104 off riser sampling scheduled for June 2011.
- BBI Updates
 - Ten BBI updates were completed for FY11 Quarter 1. The updates were published to TWINS on December 20, 2010.
 - Seven tank updates are planned for FY11 Quarter 2.
- Data Quality Objectives (DQO)
 - Complete revision 18 of the Compatibility DQO in February 2011.
 - Complete revision 3 of the PCB Management DQO in March 2011.
 - Complete revision 0 of the C-108 Hard Heel Dissolution DQO in February 2011.
 - Complete revision 0 of the Tank 241-C-108 Post Retrieval DQO in February 2011.

III. Issues:

None

SYSTEM PLAN

M-062-40A, Select a minimum of three scenarios that will be analyzed in the system plan,
Due: 10/31/2010, Status: Completed 10/27/10

M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2011, Status: On Schedule

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan,
Due: 10/31/2013, Status: On Schedule

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2014, Status: On Schedule

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW, Due: 10/31/2014, Status: On Schedule.

M-062-45-T01, Every six years, within six-months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

A review of System Plan Rev. 6 detailed assumptions was completed on December 20, 2010 by Ecology, ORP and WRPS for all ten scenarios. A detailed work schedule was drafted and modeling of new systems and facilities within many of the scenarios was initiated.

Significant Planned Actions in the Next Six Months:

Work on System Plan Rev. 6 supporting M-062-40B during the next six months will include the following activities: Prepare model modification requests, complete HTWOS modeling, V&V and data analysis and perform periodic reviews with ORP and Ecology.

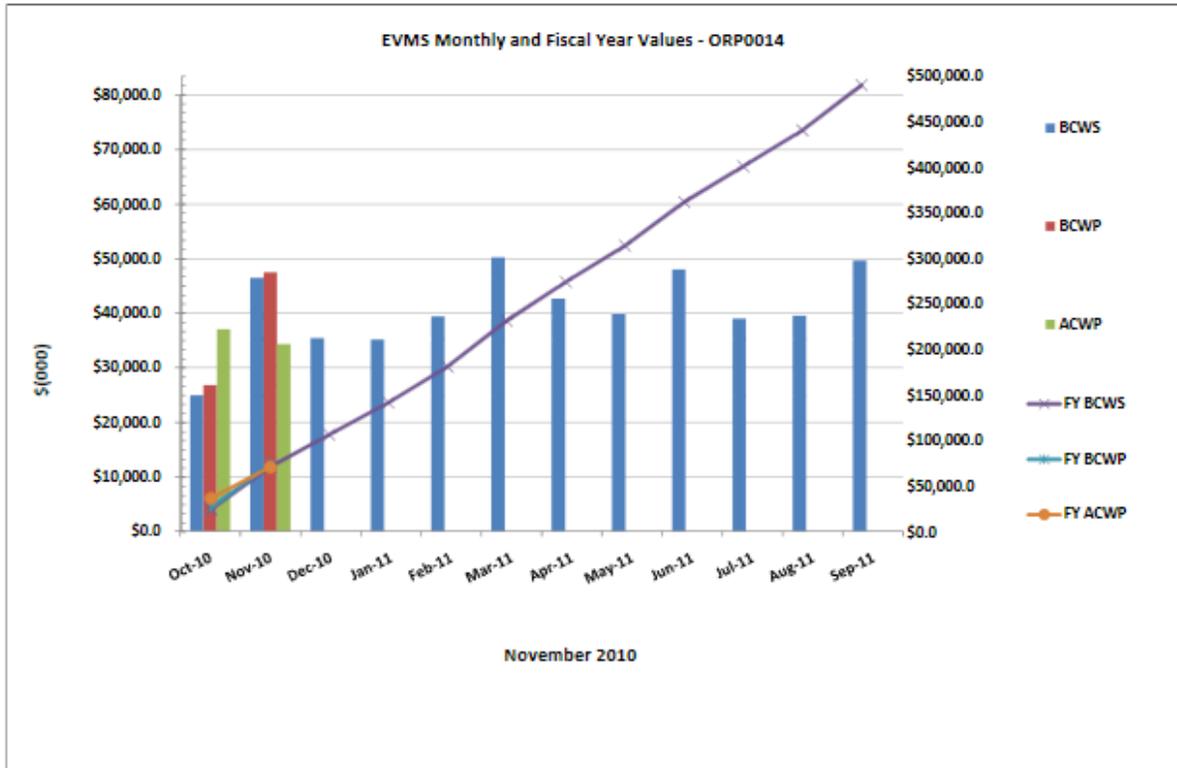
Issues:

None.

Project Performance

The earned value analysis is a comparison of cost and schedule contract-to-date performance. The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones.

Tank Farm Project EVMS Status – November 2010



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$24,918.8	\$26,782.0	\$37,083.6	1.07	0.72	\$24,918.8	\$26,782.0	\$37,083.6	1.07	0.72
Nov-10	\$46,528.0	\$47,510.9	\$34,301.0	1.02	1.39	\$71,446.8	\$74,292.9	\$71,384.5	1.04	1.04
Dec-10	\$35,469.5					\$106,916.3				
Jan-11	\$35,166.0					\$142,082.3				
Feb-11	\$39,387.5					\$181,469.8				
Mar-11	\$50,242.1					\$231,711.8				
Apr-11	\$42,648.0					\$274,359.8				
May-11	\$39,876.5					\$314,236.3				
Jun-11	\$48,053.5					\$362,289.7				
Jul-11	\$38,979.8					\$401,269.5				
Aug-11	\$39,544.8					\$440,814.3				
Sep-11	\$49,651.9					\$490,466.3				

CTD	\$866,972.0	\$862,084.8	\$798,563.9	0.99	1.08
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The favorable current month (CM) schedule variance (SV) of \$983k reflects:

- Single Shell Tank (SST) Retrieval East Area (\$1,024k) for progress earned on C-111 retrieval operations (to the limits of technology) and C-104 retrieval installation of the Articulating Mast System (AMS)
- Recovery Act (RA) funded Tank Farm Upgrades (\$948k) for progress earned on 242-A Evaporator Upgrades instrument replacements and condenser room ductwork replacement as work was performed concurrently with the facility electrical outage; acceleration of the 702-AZ Micon computer control system installation and startup/testing; and SST Drawing Reconstitution.

The favorable current month cost variance (CV) of \$13,210k reflects:

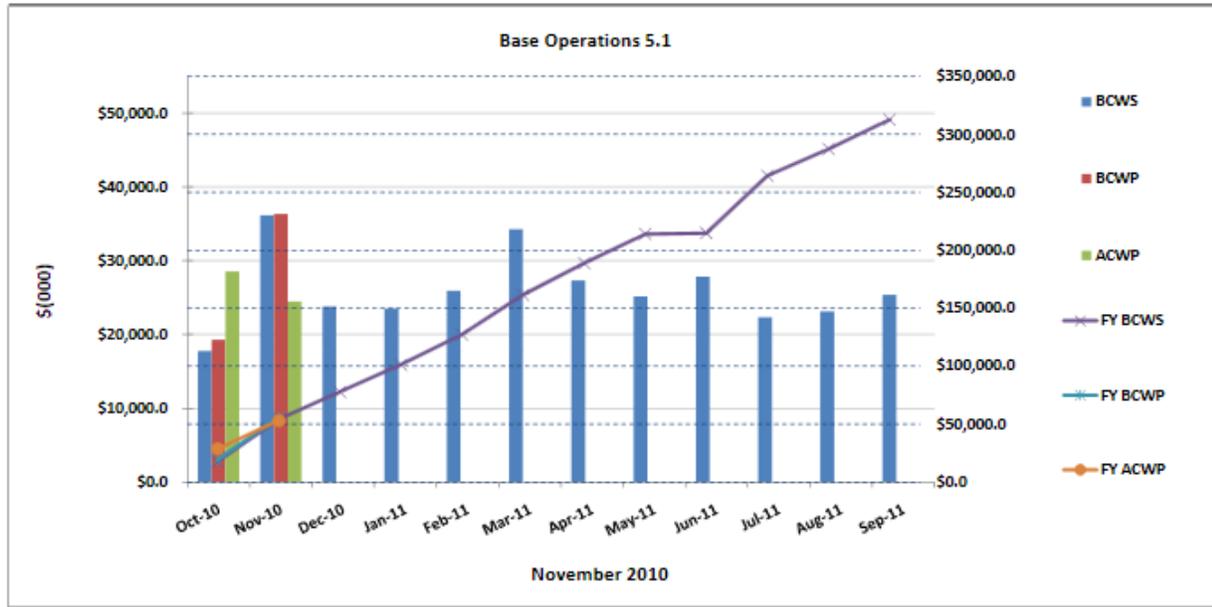
- A point adjustment for implementation of Hanford Pension Alignment. A BCR aligned the budget and performance with an agreed upon payment schedule off-setting an unfavorable CM variance last month

The unfavorable CTD SV of (\$3,976k) is driven by:

- SST retrievals related to C-108 hard heel removal prioritization of resources to other retrievals (\$1,637k); C-104 pumping obstruction resulting in need to develop and install the AMS to conduct retrieval operations and transfer pump replacement (\$1,401k); C Farm Infrastructure DST Receiver Tank #3 progress impacted by change in designation of tank from AY-101 to AN-106 in order to utilize existing infrastructure from C Farm to AN Farm (work re-planned to support C-107 retrieval) (\$781k); and C Farm Infrastructure for delays on procurement of critical spares (\$574k)
- Retrieval/Closure Program related to Mobile Arm Retrieval System (MARS) development due to change to an eductor vacuum system (\$913k); and A-350 Catch Tank pumping (will be accelerated by use of a Polar Tanker) (\$442k)
- Next Generation Projects delay in awarding design contract for the Cold Crucible Induction Melter (CCIM) due to intellectual property (IP) issues and access to WTP design information (partial schedule recovery expected in December) (\$540k)
- The Tank Waste Pretreatment Project work related to sample analysis for the Fluidized Bed Steam Reformer (FBSR) (progress cannot be taken pending baseline change to direct fund the work to Savannah River National Laboratory (SRNL); change implementation and recovery expected in December 2011) (\$411k); and delays in identification of analytical laboratory service provider to support the Li-Bayer Technology Readiness Level 3 assessment (providers now identified and recovery expected in December 2010) (\$123k)

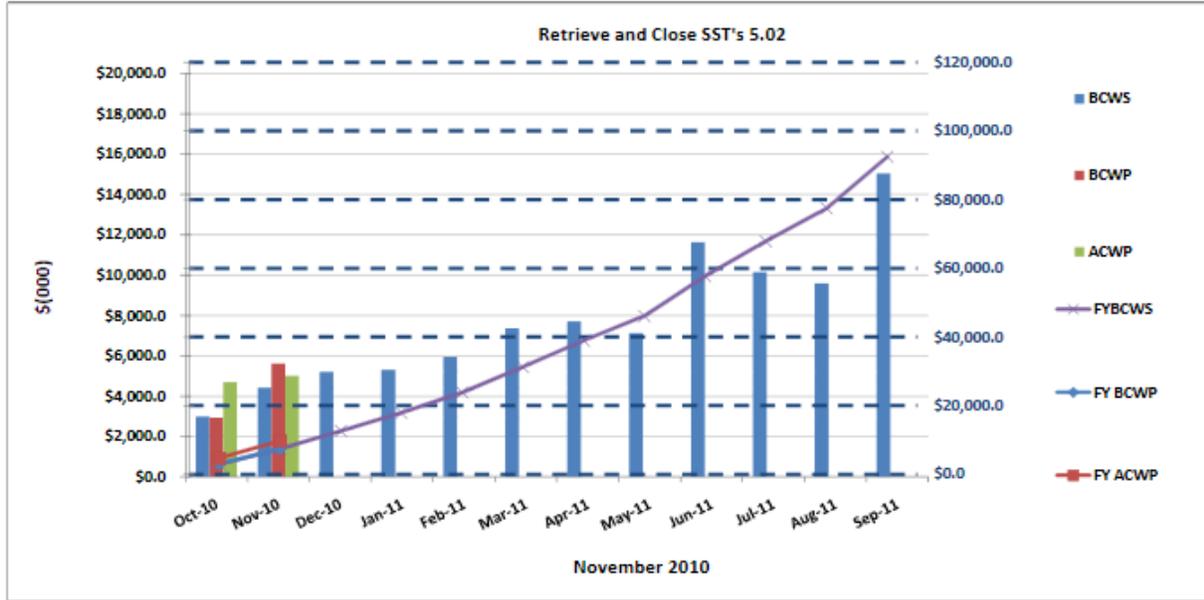
The favorable CTD CV of \$64,019k represents significant cost savings and efficiencies in the areas of

- Project Support (\$21,238k); Tank Farm Upgrades (\$12,281k), Retrieval/Closure Program (\$9,562k); WTP Feed Delivery Program (\$5,465k); Next Generation Projects (\$5,403k); and TOC Facility Operations (\$4,275k).



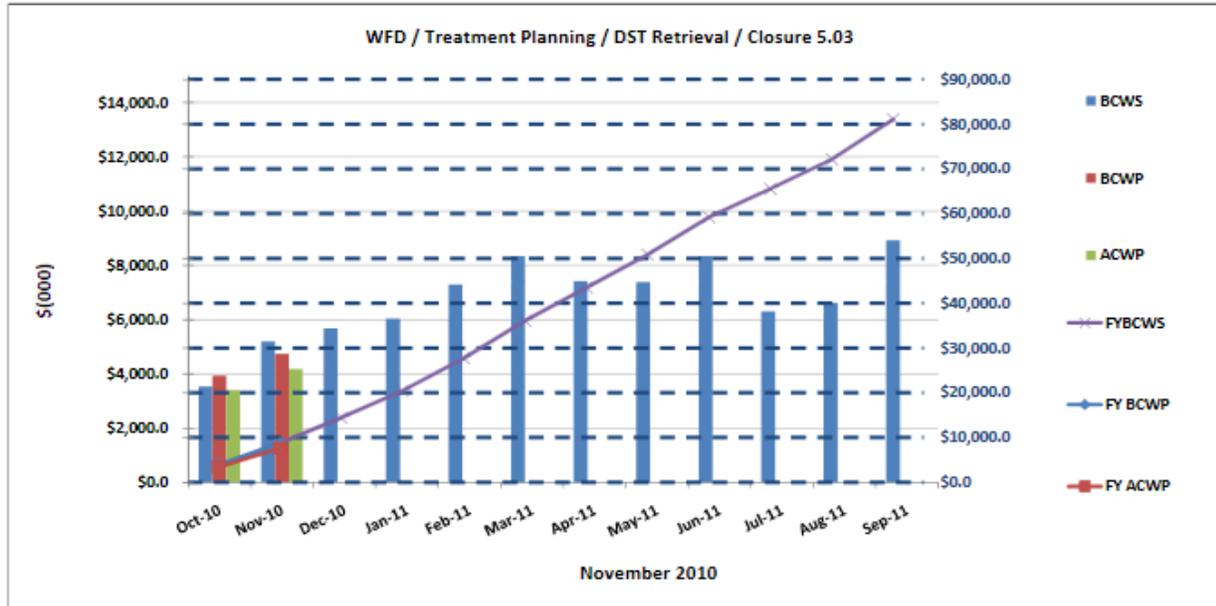
Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$17,777.2	\$19,285.1	\$28,549.6	1.08	0.68	\$17,777.2	\$19,285.1	\$28,549.6	1.08	0.68
Nov-10	\$36,143.1	\$36,366.3	\$24,452.2	1.01	1.49	\$53,920.2	\$55,651.4	\$53,001.8	1.03	1.05
Dec-10	\$23,775.7					\$77,695.9				
Jan-11	\$23,510.7					\$101,206.6				
Feb-11	\$25,943.2					\$127,149.7				
Mar-11	\$34,261.8					\$161,411.6				
Apr-11	\$27,311.4					\$188,723.0				
May-11	\$25,162.2					\$213,885.1				
Jun-11	\$27,822.0					\$214,707.1				
Jul-11	\$22,329.7					\$264,036.8				
Aug-11	\$23,116.7					\$287,153.6				
Sep-11	\$25,382.9					\$312,536.5				

CTD	\$566,904.2	\$569,984.7	\$537,088.4	1.01	1.06
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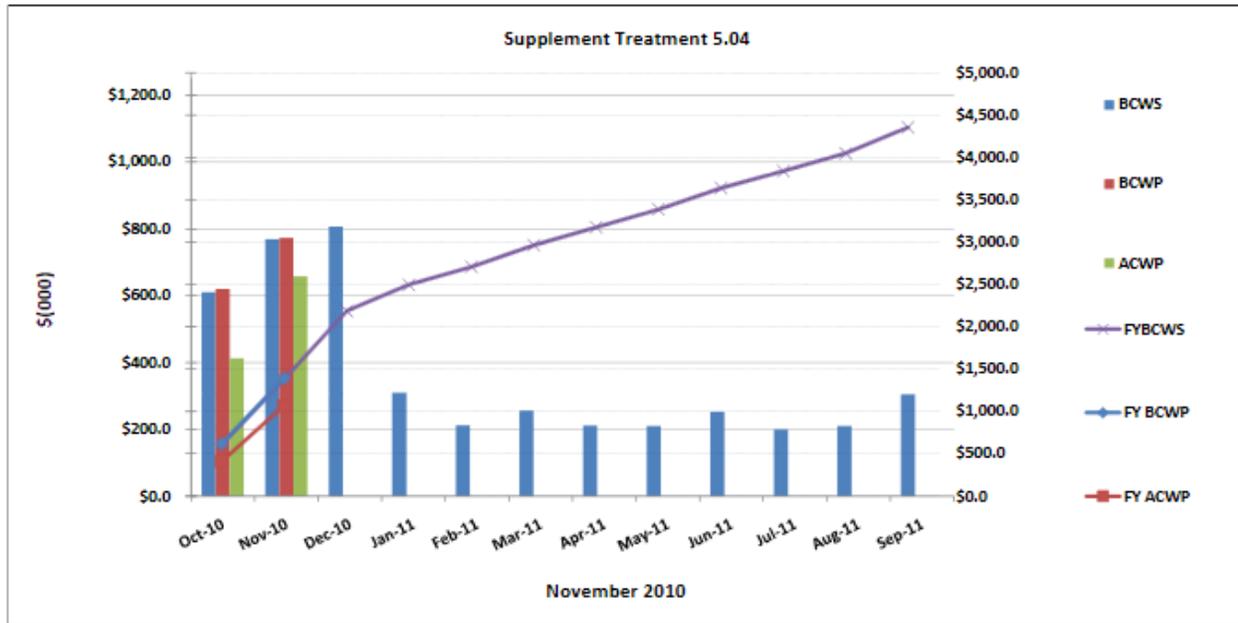
Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$2,991.6	\$2,932.6	\$4,707.6	0.98	0.62	\$2,991.6	\$2,991.6	\$4,707.6	1.00	0.64
Nov-10	\$4,412.7	\$5,622.7	\$5,006.7	1.27	1.12	\$7,404.3	\$7,404.3	\$9,714.4	1.00	0.76
Dec-10	\$5,209.7					\$12,614.0				
Jan-11	\$5,310.0					\$17,924.0				
Feb-11	\$5,945.5					\$23,869.4				
Mar-11	\$7,380.0					\$31,249.4				
Apr-11	\$7,707.4					\$38,956.7				
May-11	\$7,118.9					\$46,075.7				
Jun-11	\$11,634.4					\$57,710.1				
Jul-11	\$10,142.4					\$67,852.5				
Aug-11	\$9,598.5					\$77,451.0				
Sep-11	\$15,039.3					\$92,490.2				

CTD	\$168,674.4	\$162,908.6	\$152,243.5	0.97	1.07
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Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$3,540.0	\$3,944.3	\$3,413.8	1.11	1.16	\$3,540.0	\$3,944.3	\$3,413.8	1.11	1.16
Nov-10	\$5,203.6	\$4,748.8	\$4,184.7	0.91	1.13	\$8,743.6	\$8,693.1	\$7,598.5	0.99	1.14
Dec-10	\$5,677.1					\$14,420.8				
Jan-11	\$6,035.5					\$20,456.3				
Feb-11	\$7,286.7					\$27,743.0				
Mar-11	\$8,344.2					\$36,087.2				
Apr-11	\$7,418.1					\$43,505.3				
May-11	\$7,384.9					\$50,890.1				
Jun-11	\$8,344.5					\$59,234.6				
Jul-11	\$6,307.6					\$65,542.3				
Aug-11	\$6,619.1					\$72,161.3				
Sep-11	\$8,924.5					\$81,085.9				

CTD	\$91,653.7	\$90,348.6	\$70,304.7	0.99	1.29
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Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$610.0	\$619.9	\$412.6	1.02	1.50	\$610.0	\$619.9	\$412.6	1.02	1.50
Nov-10	\$768.6	\$773.1	\$657.3	1.01	1.18	\$1,378.6	\$1,393.1	\$1,069.9	1.01	1.30
Dec-10	\$807.1					\$2,185.7				
Jan-11	\$309.8					\$2,495.5				
Feb-11	\$212.2					\$2,707.7				
Mar-11	\$256.1					\$2,963.7				
Apr-11	\$211.1					\$3,174.8				
May-11	\$210.5					\$3,385.3				
Jun-11	\$252.6					\$3,637.9				
Jul-11	\$200.0					\$3,837.9				
Aug-11	\$210.5					\$4,048.4				
Sep-11	\$305.2					\$4,353.6				

CTD	\$4,270.2	\$4,284.6	\$3,871.0	1.00	1.11
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Complete Acquisition of New Facilities and Submit Part B Permit Applications

M-090-11, Complete the Negotiation of No More Than Two Canister Storage Facility Construction Interim Milestones, Due: 12/31/12, Status: On Schedule.

M-090-00, Acquire/modify facilities for storage of IHLW, Due: 12/31/2019, Status: On Schedule

M-047-06, Complete negotiation of no more than two interim milestones governing work necessary to support completion of M-045-00, Due: 06/30/12, Status: Negotiations are not yet underway.

M-047-00, Complete Work Necessary to provide facilities for management of secondary waste from the WTP, Due: 12/31/2022, Status: On Schedule

M-062-30, Complete negotiations establishing milestones for near term actions, Due: 10/25/11, Status: On schedule

M-062-45ZZ, Following negotiations convert M-062-31-T01 thru M-062-34-T01 to interim milestones per M-062-45.3, Due: 4/30/2015, Status: On schedule

M-062-31-T01, Complete final design and submit RCRA Part B permit mod request, Due: 4/30/2016, Status: On schedule

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2018, Status: On schedule

M-062-33-T01, Complete construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2021, Status: On schedule

M-062-45XX, No later than 12/31/2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45, paragraphs 4 and 5, due: 12/31/2021, Status: On Schedule

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility and/or WTP enhancements, Due: 12/30/2022, Status: On schedule

M-062-21, Annually, submit data that demonstrates operation of the WTP, Due: 2/28/2023, Status: On Schedule

M-062-00, Complete Pretreatment Processing and Vitrification of HLW and LAW Tank Wastes, Due: 12/31/2047, Status: On Schedule

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

ORP received Letter 1100295 from Ecology on 1/13/11 stating Ecology has "...formed the opinion that USDOE actions jeopardize completion of HFFACO Milestone M-62-30."

Fiscal Year 2010 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-045-56F	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-045-90	Complete Interim Barrier Demonstration Report for the T-106 Interim Barrier	09/30/10	09/27/10										
M-045-91	Establish a Panel and Report on SST Integrity Assurance Review	09/30/10	09/27/10										
M-045-92A	Establish Selection Criteria for Inst. of Additional Barriers	03/31/10	03/24/10										
M-045-92B	DOE Submit to Ecology a Final Design and Monitoring Plan for TY Farm Interim Barrier	03/31/10	10/22/09										
M-045-92C	Complete Installation of TY Farm Interim Barrier	09/30/10	09/23/10										

Fiscal Year 2010 Tri-Party Agreement Milestone Status													
Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-062-01T	Submit Semi-Annual Project Compliance Report	01/31/10	01/29/10										
*M-062-01U	Submit Semi-Annual Project Compliance Report	07/31/10	07/26/10										
* Submittal pursuant to D-00C-01 series satisfies M-062-01 series reporting.													

Fiscal Year 2011 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-062-40A	Select a Minimum of 3 scenarios	10/31/10	10/27/10										
D-001-00-R46	Quarterly Report	10/31/10	10/28/10										
M-045-100	Submit to Ecology an Agreement Primary Document a Catch Tank "Assumed Leak" Response Plan.	12/27/10	12/28/10										
M-045-101	Submit to Ecology as an Agreement Primary Document a Report on all Catch Tanks and Pipelines Used for SST Operations	12/27/10	12/28/10										
M-045-91A	Submit an Agreement Change Package with Interim Milestones to Implement the Panel's Recommendations M-045-91	12/29/10	09/27/10										
M-045-92D	Complete Negotiations to Schedule Remaining 4 Additional Barriers	12/31/10	12/7/10										
M-045-92E	Meet Yearly on Performance of Barrier	12/31/10	12/7/10										

Fiscal Year 2011 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-062-20	Complete All 28 Issues in Independent WTP Flowsheet & Throughput Assessment	12/31/10	08/20/10										
M-045-80	Complete those Portions of C-200 Closure Demonstration Plan Necessary to Complete Closure Plan Development for SST System	01/31/11		X									
M-062-01V	Submit Semi-Annual Project Compliance Report	01/31/11		X									
D-001-00-R47	Quarterly Report	01/31/11		X									
D-001-00-R48	Quarterly Report	04/30/11		X									
M-036-01A	Submit to EPA & Ecology Lifecycle, Scope, Schedule & Cost for Hanford Site (RL is DOE Lead)	06/25/2011		X									
M-045-15	Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project.	06/30/11			X								
M-045-15A	Submit a Retrieval Data Report Pursuant to Agreement Appendix I	06/30/11			X								

Fiscal Year 2011 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-045-15B	Remaining Wastes Adequately Characterized; Risk Assessment Completed for Residuals Remaining in the Tank	06/30/11			X								
M-045-15C	Update S-102 Component Closure Activity Plan	06/30/11			X								
M-045-15D	Exception to Waste Retrieval Criteria Pursuant to Agreement Appendix H	06/30/11			X								
D-001-00-R49	Quarterly Report	07/31/11		X									
M-045-56G	Ecology and DOE Agree to Meet, at a Minimum, Yearly (by July)	07/31/11		X									
M-062-01W	Submit Semi-Annual Project Compliance Report	07/31/11		X									
M-045-13	Interim Completion of Tank S-112 SST Waste Retrieval and Closure	TBD [In accordance with M-045-84 or -85]		X									
M-045-13E	Complete Negotiations for Interim Milestones for Closure of S-112	TBD [In accordance with M-045-84 or -85]		X									

Hanford Waste Treatment and Immobilization Plant (WTP) Project

M-062-20, Close all 28 issues in Comprehensive Review of the Hanford Waste Treatment Plant Flowsheet and Throughput Assessment, Due: 12/31/2010, Status: Completed (8/20/10).

M-062-01U, Submit Semi-Annual Project Compliance Report, Due: 7/31/2010, Status: Complete

M-062-01V, Submit Semi-Annual Project Compliance Report, Due: 1/31/2011, Status: On Schedule

M-062-01W, Submit Semi-Annual Project Compliance Report, Due: 7/31/2011, Status: On Schedule

M-062-49, Submit a report to Ecology demonstrating that the WTP is designed to accomplish, pretreat 100% of retrievable waste, vitrify 100% of separated hi level waste, WTP LAW with Supplemental treatment can vitrify 100% of separated low level waste stream, Due: 10/31/2011, Status: On Schedule

There are about 3,150 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 1,050 craft, 510 non-manual, and about 267 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through December 2010 is 57%, design and engineering is 81% complete, procurement is 59% complete and construction is 53% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

The overall WTP Project Schedule Variance (SV) in December was a positive \$7.3M, the Cost Variance (CV) was a negative (\$1.8M). The negative CV came from the Engineering, Plant Equipment and Construction Subcontract accounts. The positive SV came primarily from the Construction and Plant Equipment control accounts.

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

Significant Past Accomplishments:

A WTP Construction Project review was conducted from November 2-4, 2010. The CPR Team provided an overall positive perspective on the WTP project, and provided 18 preliminary recommendations for sustaining the progress noted in previous CPR reviews. A final report from the CPR Team is expected to be released in early January.

Low Order Accumulation Model (LOAM) benchmarking tests associated with mixing for Non-Newtonian vessel configurations are underway, with all six tests scheduled for completion in December. Analysis of the test results will follow immediately after completion of the tests.

The WTP contractor incorporated BCP (24590-06-05085) into the project baseline. This BCP incorporated the major technical changes associated with vessel mixing, CXP system design, PT secondary steam loop design, Ashfall hazard mitigation, as well as changes to incorporate sequential Operational Readiness Reviews. The incorporation of this BCP has reduced the facility percent complete values for Design/Engineering and Construction due to the increase in the facility budgets.

Significant Planned Actions in the Next Six Months:

There will be a mini Construction Project Review in March 2011
A full Construction Project Review is scheduled for May 2011
Complete fabrication of UFP-1A and UFP-1B vessels in the PT
Complete installation of hot cell crane rails in the PT
Begin installation of duct, pipe, and support steel in the Filter Cave in the HLW
Receive Canister Decontamination Vessels in the HLW
Receive LAW autosampling (ASX) equipment
Begin installation of LAB autosampling (ASX) equipment
Award Emergency Diesel Generator (EDG) procurement

Issues:

No significant issues at this time.

Pretreatment (PT) Facility

Significant Past Accomplishments:

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 78% complete, procurement is 42% complete and construction is 33% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

Overall construction continues to perform well. Rebar and embed installation and fabrication of rebar wall curtains continues to support additional slab and wall placements at the 77-ft and 98-ft elevation. Construction completions for the month of December include: placement of two slabs (7737 and 7739) and completion of a prior incomplete placement (7744) at the 77-ft elevation, and placement of one concrete wall (5-30) from the 77-ft to 98-ft elevation.

The 30-ton hot cell crane and Hot cell Shield door were rigged into the hot cell after significant preparation for lifting it above the 77-ft walls and through the slab opening at 56-ft using the largest crane available at site. 2 more cranes will be installed in the hot-cell in the same manner to aid construction in the hot cell. On-going work includes: Installation of piping, cable trays and supports, ductwork and steel.

Engineering continues to implement the changes from the technical issue resolutions in the P&ID drawings and other documents. Baseline Change Proposals (BCP) incorporating these changes were implemented in December following completion of the DOE review. Three hundred and nine (309) piping isometric drawings were issued for construction. Two purchase orders (PO's) were issued: Spiral Plate Heat Exchanger; and the Ultra Filters. Two PO Revisions were issued, one for Mechanical Agitators, and the other for High Integrity Fans.

BNI has completed award of 45 PO's exceeding the Calendar Year 2010 goal of 35 awards. DOE concurred with the BNI completion of the fee milestone activity "Issued for Construction Mechanical Systems (MS) Drawings and specifications for Racks at 56-ft and 77-ft".

Significant Planned Actions in the Next Six Months:

- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete planning for the Large Scale testing for the validation of vessel mixing Scale-up
- Issue the revised P&ID's and Calculations for the Pretreatment Vessel Vent Process (PVP) system

- Complete the coupled dynamic analysis for the Waste Feed (FEP) and Treated Law (TLP) evaporators
- Complete fabrication of 2 major Jumper frames
- Install the 2nd hot cell shield door
- Complete placement of 5 slabs and 19 walls, totaling about ~2,800 CY
- Erection of 4th tier structural steel (77-ft to 98-ft elevation)
- Re-Commit MS Design for FRP, CXP, AND PWD
- PO rev – Flex Jumpers (CM-MRA-EWU0-00005) Harness A
- Release 4 Solenoid Valve Utility Racks to Fabrication

Issues:

Design and fabrication of vessel HLP-22, is the critical path for PT. Re-analysis and design modifications necessary to mitigate increased stress levels of vessels due to seismic and other dynamic load increases continue. The engineering analysis/drawings for HLP-22 are scheduled to be complete by the end of March 2011. Efforts are also ongoing for the analysis of the on-site vessels in order to support the vessel alteration sequence. Design and analysis has been completed for vessel UFP-62C, and the draft permit package has been provided to the Department of Ecology for review. Schedules for the vessel modifications and permit needs have been provided to Ecology for their resource planning. The current plan is to award the first set of vessels for alteration by the end of April 2011.

The physical benchmark testing the LOAM for application to the 5 non-Newtonian vessels is complete. The results of the testing are still under evaluation to determine the validity of LOAM to the 5 non-Newtonian vessels.

Resolution of the major technical issues was originally included in Forecast Update 4 of which DOE reviewed in October. BNI has rolled the technical issues into a BCP which was implemented into the project baseline in December.

High-Level Waste (HLW) Facility

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 cooling, the canisters are sealed and decontaminated prior to shipment to interim storage. The HLW Facility is 52% complete overall, with engineering design 86% complete, procurement 62% complete, and construction 33% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

Significant Past Accomplishments:

All of the support steel and deck plating for the HEPA filter housings in the Filter Cave was fabricated and delivered to the WTP warehouse early December. In addition, multiple duct and pipe shipments were also completed and delivered in December. The most notable deliveries include the two 60-inch diameter duct segments which serve as the supply and exhaust distribution headers distributing/collecting ventilation airflows to/from the C5V ventilation system HEPA filter housings. The first four remote C5VHEPA filter housings are currently being fabricated by the vendor. Fabrication of the HEPA filter housings for the Melter Offgas (HOP) and Pulse Jet Vent (PJV) systems will begin in February and March 2011. The HEPA filter housings for all three systems are scheduled for delivery to the Project in beginning in February 2011 and the last housing will arrive in August 2011. All delivery dates support the filter cave critical path schedule.

Significant Planned Actions in the Next Six Months:

- Commence installation of duct, pipe, and support steel in the Filter Cave (01/2011)
- Complete Civil, Structural, and Architectural Title II Design Contract Milestone (02/2011)
- Receive initial delivery of C5V HEPA Filter Housings (02/2011-03/2011)
- Commence roofing of Annex (03/2011)
- Receive Canister Decontamination Vessels (04/2011)
- Set Shielded Personnel Access Door RWH-DOOR-20 in the Waste Drum Swabbing and Monitoring Area (05/2011)
- Complete fabrication of C5V Dampers (05/2011-07/2011)

Issues:

- The build-out of the Filter Cave is on the critical path schedule for the HLW Facility. The complicated installation of the support steel, housings, dampers, large diameter ducting, and piping requires precise coordination. WTP construction craft and the ventilation subcontractor have developed a detailed (Level-5) schedule that provides the installation sequencing for each pipe spool and each piece of support steel.

The procurement and fabrication of vessels is also receiving management focus and priority. Procurements that have been on-hold are being revised to incorporate the revised ground motion studies and more formalized quality requirements. Vessel status is reported weekly to ensure completion and delivery prior to the scheduled installation dates.

Low-Activity Waste (LAW) Facility

Significant Past Accomplishments:

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 90%, procurement is 80%, and construction is 64%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

Engineering issued confirmed calculations for the *LAW Critical Instrument Service Air Backup Bottles Sizing, Design Pressure and Design Temperature Calculation for LFP (LAW Melter Feed Process) System, Design Pressure and Design Temperature Calculation for Chilled Water System, Design Pressure and Design Temperature Calculation for LCP (LAW Concentrate Receipt Process) System, and the Concentrate Receipt Pumps*. Engineering also issued an instrument data sheet for LAW “commercial” pressure transmitters and developed controls and instrumentation (C&I) installation reports for several areas within the LAW facility. Integrated control network software was developed for the autosampling (ASX) system. In addition, controls and instrumentation (C&I) software was developed for several other systems, including ventilation, sodium hydroxide reagent, and environmental monitoring systems.

- Procurement

The two, LAW autosampling units for the autosampling (ASX) system were received in December. The two LAW melters were moved into temporary storage at the site. Other procurement activities included the issuance of material requisitions for the variable area flowmeters and pressure relief valves as well as a material requisition for the purchase of the LAW offgas important-to-safety (ITS) uninterruptible power supply system.

- Construction

During December, BNI completed installation of the personnel elevator doors. Construction began installing pumps for the sodium hydroxide reagent (SHR) system and continued to install cooling panels, the fire alarm system, grating in the B-cell, and the transfer corridor bogie rails. Other normal activities continued such as installation of piping and hangers, cable tray, conduit and wiring, instrument enclosures, lighting fixtures, partition wall framing and gypsum wallboard, and perimeter sealants.

- Commissioning

Controls and instrumentation (C&I) software was tested for several systems, including ventilation, sodium hydroxide reagent, and environmental monitoring systems.

Significant Planned Actions in the Next Six Months:

- Complete installation of LAW personnel elevator

Issues:

No major issues.

Analytical Laboratory

Significant Past Accomplishments:

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 73%, and construction is 69%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

In December BNI engineering issued eight (8) civil, structural, and architectural (CS&A) drawings for the LAB and eight related calculations. In addition controls and instrumentation (C&I) software was developed for the miscellaneous gases (MXG), bottled nitrogen gas (BNG), bottled argon gas (BAG), and bottled helium gas (BHG) systems.

- Procurement

Material requisitions were issued for the purchase of LAB-specific variable area flowmeters and pressure relief valves.

- Construction

In December, BNI began installation of the LAB autosampling equipment. In addition, other construction activities continued, including piping installation in the C2, C3, and C5 drainage pits, electrical raceway, piping and hangers for the chilled water, low pressure steam, and steam condensate systems, conduit, lighting, and electrical equipment.

- Commissioning

Controls and instrumentation (C&I) software testing was performed for the LAB C1V ventilation system and for the miscellaneous gases (MXG), bottled nitrogen gas (BNG), bottled argon gas (BAG), and bottled helium gas (BHG) systems.

Significant Planned Actions in the Next Six Months:

- Install LAB waste drum bogie shield door
- Complete LAB C5 ventilation filter room ceiling design

Issues:

No major issues.

Balance of Facilities (BOF)

Significant Past Accomplishments:

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 85%, procurement is 44%, and construction is 60%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

BNI Engineering issued a confirmed calculation to support sizing of the relief valves for the demineralized water (DIW) and process service water (PSW) systems. Control logic diagrams were issued for the Diesel Fuel Oil (DFO) system. The integrated safety management evaluation was completed for the emergency diesel generator (EDG) ashfall mitigation design. Software life cycle documents were issued for the standby diesel generator (SDG) fuel tank heater controller and the plant service air (PSA) system.

- Procurement

The major focus has been on procurement of the Emergency Diesel Generators (EDGs). The proposal for this equipment continues under review and analysis prior to awarding a contract. Interactions of BNI Engineering with the ammonia system vaporizer skid vendor continued to ensure approval of the design calculations for this equipment. The CO₂ vessel delivery is now expected in January.

- Construction

BNI construction completed setting two electrical manholes and installing electrical duct bank at the anhydrous ammonia storage facility (AASF). Additional work at the anhydrous ammonia storage facility (AASF) included continued installation of piping commodities. Installation of pressure safety valve instrumentation was initiated for the plant cooling water (PCW) system at the chiller compressor plant (CCP) building. BNI continued multiple construction activities at the chiller compressor plant (CCP), the glass former storage facility (GFSF), the non-dangerous/non-radioactive effluent (NLD) facility, and the water treatment facility.

- Commissioning

Work continued on the development of a decontamination guide.

Significant Planned Actions in the Next Six Months:

- Award EDG procurement
- Complete concrete placements for BOF Ammonia Facility

- Receive BOF ammonia vaporizer skid
- Complete water treatment facility

Issues:

No major issues.

Waste Treatment Plant Project - Percent Complete Status												
Through December 2010												
(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities												
Low-Activity Waste	924.8	591.5	64%	219.4	197.3	90%	233.3	187.5	80%	315.8	200.7	64%
Analytical Lab	343.2	155.5	45%	51.5	41.5	81%	56.9	41.3	73%	88.7	61.4	69%
Balance of Facilities	523.6	238.6	46%	69.4	58.7	85%	83.9	37.1	44%	226.6	134.8	60%
High-Level Waste	1,417.5	731.1	52%	328.1	283.1	86%	440.1	273.7	62%	523.4	170.2	33%
Pretreatment	2,446.7	1,106.3	47%	653.9	510.0	78%	708.0	297.2	42%	893.3	293.9	33%
Shared Services	4,768.9	3,089.9	65%	1,081.0	855.7	79%	470.2	330.7	70%	1,405.7	977.8	70%
Total WTP w/o UB	10,424.7	5,912.8	57%	2,403.3	1,946.3	81%	1,992.4	1,167.5	59%	3,453.5	1,838.7	53%
Undistributed Budget	65.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,490.4	5,912.8	56%	2,403.3	1,946.3	81%	1,992.4	1,167.5	59%	3,453.5	1,838.7	53%

Source: WTP Contract Performance Report

Note: In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

**ORP Key Documents List
January 24, 2011**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
				Anticipated Completion Date ²	Final Completion Date				
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C	Provides input for M-045-61	WMA C PA Ecological Risk Assessment Data Package	04/19/11			B. Lober	S. Eberlein	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C Characterization Summary 2011	09/30/11			B. Lober	S. Eberlein	J. Lyon	
	Provides input for M-045-61	WMA C PA Initial Model Run Data Package	12/22/11			B. Lober	S. Eberlein	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	PA Data Package--Numeric Codes	12/31/11			B. Lober	S. Eberlein	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C PA Initial Document	02/28/12			B. Lober	S. Eberlein	J. Lyon	Feeds input for M-045-61 and all Closure Plans
	Provides input for M-045-61	WMA C Characterization Summary 2012	09/30/12			B. Lober	S. Eberlein	J. Lyon	
	Provides input for M-045-61	WMA C Characterization Summary 2013	09/30/13			B. Lober	S. Eberlein	J. Lyon	
	M-045-61	Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C	12/31/14			B. Lober	S. Eberlein	J. Lyon	
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA C.	M-045-62	Phase 2 Corrective Measures Implementation Work Plan for WMA C	06/30/15			B. Lober	S. Eberlein	J. Lyon	
Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier.	M-045-92	Future Barrier Design 1	06/30/11			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 2	06/30/12			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 3	06/30/13			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 4	06/30/14			B. Lober	S. Eberlein	J. Lyon	

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

² Note: "Anticipated Completion Date" is based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements. If document is for information only, the anticipated completion date is listed as "N/A" for not applicable.

Red indicates due date and/or submittal in next 90 days
Blue indicates recent milestone completion

**ORP Key Documents List
January 24, 2011**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
				Anticipated Completion Date ²	Final Completion Date				
Complete portions of the C-200 Closure Demonstration Plan necessary to complete closure plan development for the SST system.	M-045-80	Description of Radioactive Waste Determination Process	01/31/11	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP Closure letter, 10-TPD-166
	M-045-80	RCRA/CERCLA Integration White Paper	01/31/11	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP Closure letter, 10-TPD-166
	M-045-80	Tank Removal Engineering Study	01/31/11	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP Closure letter, 10-TPD-166
	M-045-80	Evaluation of Alternatives for Removal of Waste from the C-301 Catch Tank	01/31/11	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP Closure letter, 10-TPD-166
Implement and Complete All Remaining Activities in the June 6, 2007 C-200 Closure Demonstration Plan (with any revisions as agreed to by Ecology and DOE).	Provides input for M-045-81	Update C Closure Demonstration Plan	12/31/10	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	Feeds input to M-045-81. ORP letter 10-TPD-166
	Provides input for M-045-81	Pipeline Feasibility Study	01/31/11	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	Feeds input to M-045-81. ORP letter 10-TPD-166
	M-045-81	Other Closure Demonstration Deliverables	09/30/14			C. Kemp	S. Eberlein	J. Lyon	
M-45-91 Interim Milestones and Target Dates for SSTs Implementing the Expert Panel's Recommendations (created via TPA Change Request CR M-45-10-01, approved on 01/03/2011)	M-045-91G-T05	Provide Report of the Visual Inspection of 12 SSTs Table 3.3	03/31/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91C	Implement DQO Process, Test Plan to Evaluate the Chemistries	09/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T01	Provide AOR Final Doc. for SSTs on 530,000 Gallon Tanks	09/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91B	DOE Submit a Sampling and Analysis Plan to Ecology	12/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T02	Provide Report of Liner Failures for SSTs	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T02	Provide AOR Final Doc. for SSTs on 750,000 Gallon Tanks	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	03/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05	03/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	09/30/12			J. Johnson	S. Sax	J. Lyon	

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**ORP Key Documents List
January 24, 2011**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
				Anticipated Completion Date ²	Final Completion Date				
M-45-91 Interim Milestones and Target Dates for SSTs Implementing the Expert Panel's Recommendations (Continued)	M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	05/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	05/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	07/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91E	Provide SST Farms Dome Deflection Surverys Every Two Years	09/30/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T04	Provide AOR Final Doc. for SSTS on 55,000 Gallon Tanks	10/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91H	Submit Change Pkg (if necessary) to est. Additional Milestones	07/31/15			J. Johnson	S. Sax	J. Lyon	
	M-045-91I	Provide IQRPE Certification of SSTs Structural Integrity	09/30/18			J. Johnson	S. Sax	J. Lyon	
Submit to Ecology as an Agreement Primary Document a Catch Tank "assumed leak" Response Plan.	M-045-100	Cast Tank "Assumed Leak" Response Plan.	12/28/10	N/A	12/28/10	S. Pfaff	S. Eberlein	J. Lyon	ORP letter 10-TPD-176
Submit to Ecology as an Agreement Primary Document a report on all Catch Tanks and associated pipelines that are identified in the SST System Part A, or otherwise used in operations.	M-045-101	Report on all Catch Tanks and Associated Pipelines that are Identified in the SST System Part A, or Otherwise used in Operations.	12/28/10	N/A	12/28/10	S. Pfaff	S. Eberlein	J. Lyon	ORP letter 10-TPD-176
Submit a System Plan to Ecology describing the disposition of all tank waste managed by ORP, including retrieval of all tanks not addressed by the Consent Decree, and the completion of the treatment mission	M-62-40A	DOE and Ecology Submit Scenarios (including underlying common and scenario-specific assumptions) to be analyzed in the System Plan	10/31/10	N/A	10/31/10	R. Koll	T. Crawford	J. Lyon / D. McDonald	ORP met with ECY to discuss scenarios – gained agreement and signature on milestone package. Signed joint ORP/ECY letter (10-TPD-148) delivered to EPA for receipt 11/01/2010.
	M-062-40B	System Plan	10/31/11			R. Koll	T. Crawford	J. Lyon	
	M-062-40	Supplemental Technologies Report	09/30/12			R. Koll	S. Killoy	J. Lyon	
Complete negotiations every 6 months after the last issuance of the System Plan	M-062-45	Technologies Selection Report (Accelerated from Consent Decree date)	09/30/13			R. Koll	S. Killoy	J. Lyon	
Complete final design and submit RCRA Part B Permit Modification Request	M-062-31-T01	RCRA Part B Permit Modification--Final Design	04/30/16			D. Noyes	F. Miera	D. McDonald	

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**ORP Key Documents List
January 24, 2011**

Topic Areas	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Regulator Lead	Comments/Issues
			Anticipated Completion Date ²	Final Completion Date				
PERMIT DOCUMENTS	Tier 1 Framework Closure Plan Update	05/31/12			B. Lober	S. Eberlein	J. Lyon	
	Tier 2 WMA C Closure Plan	05/31/12			B. Lober	S. Eberlein	J. Lyon	
	WMA C Closure Conceptual Design	09/30/12			B. Lober	S. Eberlein	J. Lyon	
	All Remaining Closure Plans for WMA C	09/30/15			B. Lober	S. Eberlein	J. Lyon	
	Tier 3 Closure Plans for Tanks Already Received	TBD			B. Lober	S. Eberlein	J. Lyon	Due 120-day post EIS
	Tier 3 Closure Plans for Additional Tanks	TBD			B. Lober	S. Eberlein	J. Lyon	Several Dates in out years
	WMA C Closure Design	TBD			B. Lober	S. Eberlein	J. Lyon	Final dates not yet determined
	DST Exhausters Notice of Construction and HIA	09/30/11			L. Huffman	F. Miera	J. Lyon	
	Supplemental Treatment Technology Notice of Construction	09/30/13			L. Huffman	F. Miera	J. Lyon	
	Submit Part B Permit Application for Selected Supplemental Treatment Technology	09/30/13			L. Huffman	F. Miera	J. Lyon	
	Wiped Film Evaporator Notice of Construction	09/30/14			L. Huffman	F. Miera	J. Lyon	
	Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application	09/30/14			L. Huffman	F. Miera	J. Lyon	
	IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	09/30/12			T. Fletcher	F. Miera	J. Lyon	
MISCELLANEOUS DOCUMENTS	Process for Coring of an SST	05/30/11				F. Miera	J. Lyon	
	Submit Categorical TOC HIA	09/30/11				F. Miera	J. Lyon	
TWRPS DOCUMENTS	C-101, RPP-22520	TBD			C. Kemp	K. Smith	J. Lyon	Pending Approval of 2 nd treatment technology
	C-105, RPP-22520	TBD			C. Kemp	K. Smith	J. Lyon	Pending Approval of 2 nd treatment technology
	C-110, RPP-33116	TBD			C. Kemp	K. Smith	J. Lyon	Pending Approval of 2 nd treatment technology
	C-111, RPP-37739	TBD			C. Kemp	K. Smith	J. Lyon	Pending Approval of 2 nd treatment technology

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

² Anticipated Completion Date is based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements. If document is for information only, the anticipated completion date is listed as "N/A" for not applicable.

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Office of River Protection
Consent Decree 08-5085-FVS

Project Summary Report

January 25, 2011

Office of River Protection

Consent Decree 08-5085-FVS

Project Summary Report

January 24/25, 2011

10:30 a.m. – 12:00 p.m.

Page	Topic	Leads	Time
1	SST Retrieval and Closure - D-00B-01, -02, -03, -04 - TWRWP Status	Chris Kemp / Jeff Lyon	10:30
4	Statistics / Status	Woody Russell / Dan McDonald / Jeff Lyon	10:45
7	WTP - Immobilization Plant Project - D-00A-06, D-00A-17, D-00A-01	Wahed Abdul / Jeff Trent / Gary Olsen / Dan McDonald	11:00
10	WTP Pretreatment (PT) Facility D-00A-18, -19, -13, -14, -15, 16	Wahed Abdul / Dan McDonald	11:15
13	High-Level Waste (HLW) Facility D-00A-20, -21, 02, 03	Jeff Trent / Dan McDonald	11:30
16	Low-Activity Waste (LAW) Facility D-00A-07, -08, -09	Gary Olsen / Dan McDonald	11:40
19	Analytical Laboratory (LAB) D-00A-005		11:45
22	Balance of Facilities (BOF) D-00A-12		11:50

SST Retrieval and Closure Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C, Due: 9/30/2014, Status: On Schedule

D-00B-01A thru J, Submit Tank Retrieval Complete Certification, Due: TBD

Pursuant to the requirement at IV(B)(5) of the Consent Decree (CD) DOE must submit to Ecology a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix "C", Part 1, of the CD. Tanks currently in retrieval status are C-108, C-109, C-110, C-104, and C-111.

D-00B-02, Advise Ecology of the 9 SST's from which Waste Will Be Retrieved by 2022, Due: 9/30/2014, Status: On Schedule. ORP and Ecology began meeting on December 13, 2010, to discuss the selection of the next nine tanks to be retrieved and why ORP believes those nine tanks should be in A/AX Farms. The next meeting is scheduled for January 18, 2011.

D-00B-03, Initiate Startup Retrieval in At Least 5 of 9 SSTs in D-00B-02, Due: 12/31/2017, Status: On Schedule

D-00B-04, Complete Retrieval of Tank Wastes from the 9 SSTs in D-00B-02, Due: 9/30/2022, Status: On Schedule

D-00B-04A thru I, Submit Tank Retrieval Complete Certification, Due: TBD

Significant Past Accomplishments:

- Completed Operation Acceptance Testing of the AMS installed in C-104.
- Completed Readiness Activities for restart of C-104 sluicing operations.
- Completed removal of Saltwell pad and riser.
- Completed cutting 55" hole in C-107 dome.
- Completed installation of the new large (47") riser in C-107.
- Continued testing of a MARS sluice educator system at Columbia Energy in Pasco and continued testing of the MARS sluicing system at Columbia Test Center (CTC) in Richland.
- Continued design activities for C-112 sluicing system.

Significant Planned Activities in the Next Six Months:

- Obtain C-109 heel samples
- Complete testing of the MARS arm
- Complete construction/installation 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 startup of C-111 retrieval.

- Complete C-112 design, initiate long lead procurements and initiate legacy equipment removals.
- Operate hydraulic arm Articulating Mast System (AMS) into C-104 to aid removal of obstruction underneath slurry pump and resume and complete C-104 retrieval.
- Finish testing of the MARS with the vacuum educator.

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 Winter of 2011.

TWRWP Status

Tank	TWRWP	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520	MRS (per 10/7/10 agreement, to be Modified Sluicing)	-	-
C-102	RPP-22393	Modified Sluicing	MS-ITV	-
C-103	RPP-21895	Retrieval Completed		
C-104	RPP-22393	Modified Sluicing	MS-ITV	-
C-105	RPP-22520	MRS	-	-
C-106		Retrieval Completed		
C-107	RPP-22393	MARS-S	MS-ITV	
C-108	RPP-22393	Modified Sluicing	Chemical Dissolution	MS-ITV
C-109	RPP-21895	Modified Sluicing	MS-ITV	-
C-110	RPP-33116	Modified Sluicing	-	-
C-111	RPP-37739	Modified Sluicing	-	-
C-112	RPP-22393	Modified Sluicing	MS-ITV	-

Fiscal Year 2010 Consent Decree Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
D-00A-18	Complete Structural Steel Erection below Elevation 56' in PT Facility	12/31/09	07/29/09										
D-001-00R-42	Quarterly Report	10/31/09	10/28/09										
D-001-00R-43	Quarterly Report	01/31/10	01/28/10										
D-001-00R-44	Quarterly Report	04/30/10	04/30/10										
D-001-00R-45	Quarterly Report	07/31/10	07/29/10										
*D-00C-01A	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/10	07/26/10										

* - Submittal pursuant to D-00C-01 series satisfies M-062-01 series reporting.

Fiscal Year 2011 Consent Decree Milestone Status													
Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
D-00C-01B	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/11		X									
D-00C-01C	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/11											
D-00C-02A	Submit to Ecology and Oregon Monthly Summary Reports	11/30/10	11/18/10										
D-00C-02B	Submit to Ecology and Oregon Monthly Summary Reports	12/31/10	12/29/10										
**D-00C-02C	Submit to Ecology and Oregon Monthly Summary Reports	01/31/11		X									
** Future Monthly Reports will be added as necessary to maintain a two-month activity.													
D-00A-20	Complete Construction of Structural Steel to Elevation 14' in HLW Facility	12/31/10	01/13/10										

Reports

D-00C-02 series, Submit to Ecology & State of Oregon Monthly Summary Report Documenting Progress During Previous Month, Due: End of Each Month, Status: On Schedule

D-00C-01A, Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6-Month Period, Due: 1/31/2011, Status: On Schedule

D-006-00-A1, Provide State of Oregon notice of meetings in D-006-00-A, etc. no less than 30 days before they are scheduled, Due: 9/25/2013, Status: On Schedule

D-006-00-A, Meet Approximately Every Three Years After Entry of Decree to review requirements of the Consent Decree, Due: 10/25/2013, Status: On Schedule

Hanford Waste Treatment and Immobilization Plant (WTP) Project

D-00A-06, Complete Methods Validations, Due: 12/31/2017, Status: On Schedule

D-00A-17, Hot Start of Waste Treatment Plant, Due: 12/31/2019, Status: On Schedule

D-00A-01, Achieve Initial Plant Operations for WTP, Due: 12/31/2022, Status: On Schedule

There are about 3,150 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 1,050 craft, 510 non-manual, and about 267 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through December 2010 is 57%, design and engineering is 81% complete, procurement is 59% complete and construction is 53% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

The overall WTP Project Schedule Variance (SV) in December was a positive \$7.3M, the Cost Variance (CV) was a negative (\$1.8M). The negative CV came from the Engineering, Plant Equipment and Construction Subcontract accounts. The positive SV came primarily from the Construction and Plant Equipment control accounts.

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

Significant Past Accomplishments:

A WTP Construction Project review was conducted from November 2-4, 2010. The CPR Team provided an overall positive perspective on the WTP project, and provided 18 preliminary recommendations for sustaining the progress noted in previous CPR reviews. A final report from the CPR Team is expected to be released in early January.

Low Order Accumulation Model (LOAM) benchmarking tests associated with mixing for Non-Newtonian vessel configurations are underway, with all six tests scheduled for completion in December. Analysis of the test results will follow immediately after completion of the tests.

The WTP contractor incorporated BCP (24590-06-05085) into the project baseline. This BCP incorporated the major technical changes associated with vessel mixing, CXP system design, PT secondary steam loop design, Ashfall hazard mitigation, as well as changes to incorporate sequential Operational Readiness Reviews. The incorporation of this BCP has reduced the

facility percent complete values for Design/Engineering and Construction due to the increase in the facility budgets.

Significant Planned Actions in the Next Six Months:

There will be a mini Construction Project Review in March 2011

A full Construction Project Review is scheduled for May 2011

Complete fabrication of UFP-1A and UFP-1B vessels in the PT

Complete installation of hot cell crane rails in the PT

Begin installation of duct, pipe, and support steel in the Filter Cave in the HLW

Receive Canister Decontamination Vessels in the HLW

Receive LAW autosampling (ASX) equipment

Begin installation of LAB autosampling (ASX) equipment

Award Emergency Diesel Generator (EDG) procurement

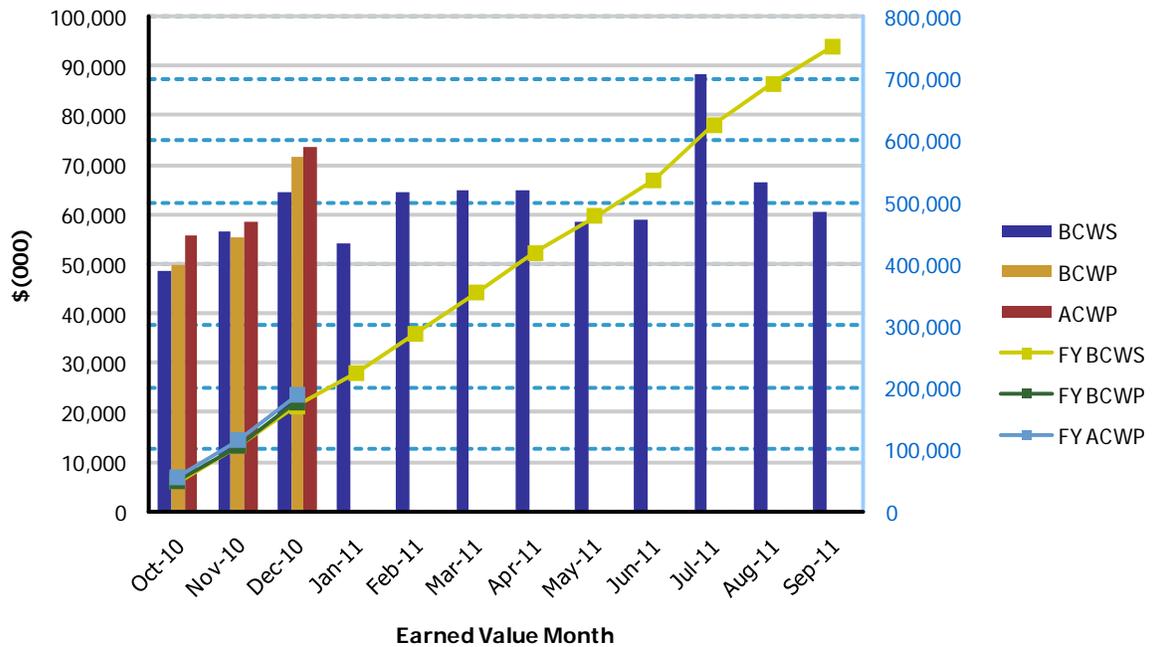
Issues:

No significant issues at this time.

WTP – Fiscal Year To-Date Performance

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

Monthly EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2010	\$48,550	\$49,962	\$55,880	1.03	0.89	\$48,550	\$49,962	\$55,880	1.03	0.89
Nov 2010	\$56,608	\$55,427	\$58,449	0.98	0.95	\$105,158	\$105,389	\$114,329	1.00	0.92
Dec 2010	\$64,486	\$71,840	\$73,610	1.11	0.98	\$169,644	\$177,229	\$187,939	1.04	0.94
Jan 2011	\$54,259					\$223,903				
Feb 2011	\$64,495					\$288,399				
Mar 2011	\$64,996					\$353,395				
Apr 2011	\$64,783					\$418,178				
May 2011	\$58,696					\$476,874				
Jun 2011	\$59,092					\$535,966				
Jul 2011	\$88,480					\$624,446				
Aug 2011	\$66,582					\$691,027				
Sep 2011	\$60,343					\$751,371				
PTD	\$5,897,040	\$5,912,789	\$5,945,968	1.00	0.99					

Note: December Data is preliminary and may possibly change.

Pretreatment (PT) Facility

D-00A-18, Complete Structural Steel Erection Below 56' in PT Facility, Due: 12/31/2009,
Status: Complete (7/23/2009)

D-00A-19, Complete Elevation 98' Concrete Floor Slab in PT Facility, Due: 12/31/2014,
Status: On Schedule

D-00A-13, Complete Installation of Pretreatment Feed Separation Vessels, Due:
12/31/2015, Status: On Schedule

D-00A-14, PT Facility Construction Substantially Complete, Due: 12/31/2017,
Status: On Schedule

D-00A-15, Start PT Facility Cold Commissioning, Due: 12/31/2018,
Status: On Schedule

D-00A-16, PT Facility Hot Commissioning Complete, Due: 12/31/2019,
Status: On Schedule

Significant Past Accomplishments:

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 78% complete, procurement is 42% complete and construction is 33% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

Overall construction continues to perform well. Rebar and embed installation and fabrication of rebar wall curtains continues to support additional slab and wall placements at the 77-ft and 98-ft elevation. Construction completions for the month of December include: placement of two slabs (7737 and 7739) and completion of a prior incomplete placement (7744) at the 77-ft elevation, and placement of one concrete wall (5-30) from the 77-ft to 98-ft elevation.

The 30-ton hot cell crane and Hot cell Shield door were rigged into the hot cell after significant preparation for lifting it above the 77-ft walls and through the slab opening at 56-ft using the largest crane available at site. 2 more cranes will be installed in the hot-cell in the same manner to aid construction in the hot cell. On-going work includes: Installation of piping, cable trays and supports, ductwork and steel.

Engineering continues to implement the changes from the technical issue resolutions in the P&ID drawings and other documents. Baseline Change Proposals (BCP) incorporating these changes were implemented in December following completion of the DOE review. Three hundred and nine (309) piping isometric drawings were issued for construction. Two purchase orders (PO's) were issued: Spiral Plate Heat Exchanger; and the Ultra Filters. Two PO Revisions were issued, one for Mechanical Agitators, and the other for High Integrity Fans. BNI has completed award of 45 PO's exceeding the Calendar Year 2010 goal of 35 awards. DOE concurred with the BNI completion of the fee milestone activity "Issued for Construction Mechanical Systems (MS) Drawings and specifications for Racks at 56-ft and 77-ft".

Significant Planned Actions in the Next Six Months:

- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete planning for the Large Scale testing for the validation of vessel mixing Scale-up
- Issue the revised P&ID's and Calculations for the Pretreatment Vessel Vent Process (PVP) system
- Complete the coupled dynamic analysis for the Waste Feed (FEP) and Treated Law (TLP) evaporators
- Complete fabrication of 2 major Jumper frames
- Install the 2nd hot cell shield door
- Complete placement of 5 slabs and 19 walls, totaling about ~2,800 CY
- Erection of 4th tier structural steel (77-ft to 98-ft elevation)
- Re-Commit MS Design for FRP, CXP, AND PWD
- PO rev – Flex Jumpers (CM-MRA-EWU0-00005) Harness A
- Release 4 Solenoid Valve Utility Racks to Fabrication

Issues:

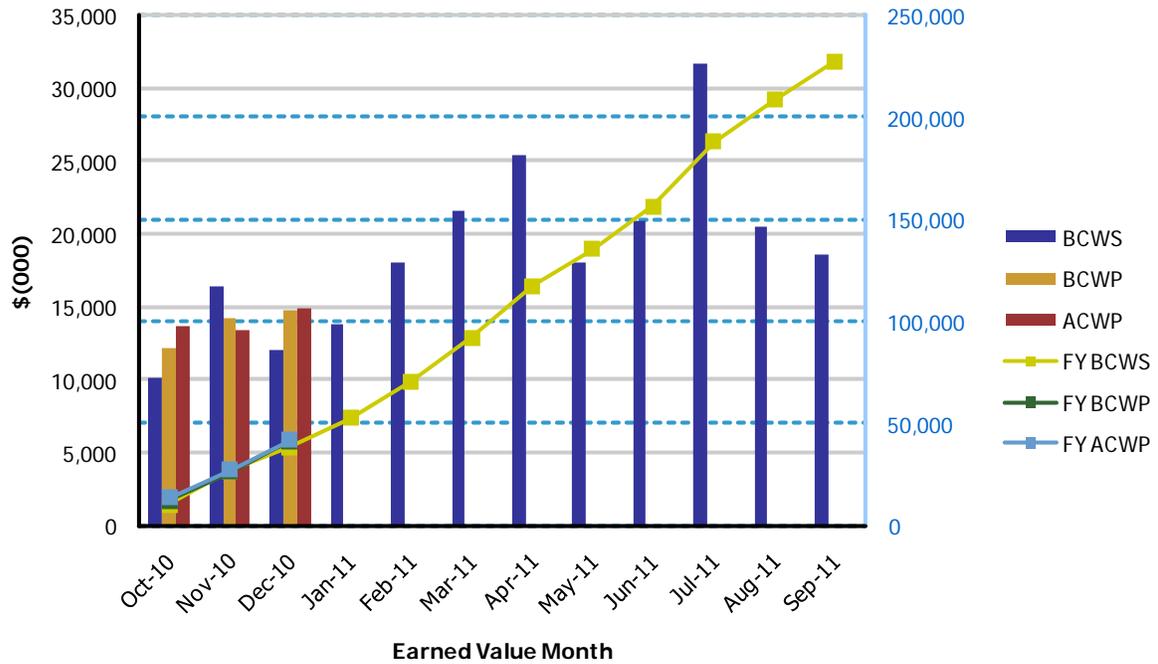
Design and fabrication of vessel HLP-22, is the critical path for PT. Re-analysis and design modifications necessary to mitigate increased stress levels of vessels due to seismic and other dynamic load increases continue. The engineering analysis/drawings for HLP-22 are scheduled to be complete by the end of March 2011. Efforts are also ongoing for the analysis of the on-site vessels in order to support the vessel alteration sequence. Design and analysis has been completed for vessel UFP-62C, and the draft permit package has been provided to the Department of Ecology for review. Schedules for the vessel modifications and permit needs have been provided to Ecology for their resource planning. The current plan is to award the first set of vessels for alteration by the end of April 2011.

The physical benchmark testing the LOAM for application to the 5 non-Newtonian vessels is complete. The results of the testing are still under evaluation to determine the validity of LOAM to the 5 non-Newtonian vessels.

Resolution of the major technical issues was originally included in Forecast Update 4 of which DOE reviewed in October. BNI has rolled the technical issues into a BCP which was implemented into the project baseline in December.

**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 2010	\$10,196	\$12,179	\$13,730	1.19	0.89	\$10,196	\$12,179	\$13,730	1.19	0.89
Nov 2010	\$16,462	\$14,257	\$13,360	0.87	1.07	\$26,658	\$26,436	\$27,090	0.99	0.98
Dec 2010	\$12,060	\$14,788	\$14,869	1.23	0.99	\$38,718	\$41,224	\$41,959	1.06	0.98
Jan 2011	\$13,871					\$52,589				
Feb 2011	\$18,023					\$70,612				
Mar 2011	\$21,614					\$92,226				
Apr 2011	\$25,435					\$117,661				
May 2011	\$17,988					\$135,648				
Jun 2011	\$20,895					\$156,544				
Jul 2011	\$31,672					\$188,215				
Aug 2011	\$20,486					\$208,701				
Sep 2011	\$18,585					\$227,286				

PTD	\$1,094,621	\$1,106,263	\$1,075,440	1.01	1.03
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Note: December Data is preliminary and may possibly change.

High-Level Waste (HLW) Facility

D-00A-20, Complete Construction of Structural Steel to 14' in HLW Facility, Due: 12/31/2010, Status: Complete

D-00A-21, Complete Construction of Structural Steel to 37' in HLW Facility, Due: 12/31/2012, Status: On Schedule

D-00A-02, HLW Facility Construction Substantially Complete, Due: 12/31/2016, Status: On Schedule

D-00A-03, Start HLW Facility Cold Commissioning, Due: 6/30/2018, Status: On Schedule

D-00A-04, HLW Facility Hot Commissioning Complete, Due: 12/31/2019, Status: On Schedule

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 cooling, the canisters are sealed and decontaminated prior to shipment to interim storage. The HLW Facility is 52% complete overall, with engineering design 86% complete, procurement 62% complete, and construction 33% complete.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

Significant Past Accomplishments:

All of the support steel and deck plating for the HEPA filter housings in the Filter Cave was fabricated and delivered to the WTP warehouse early December. In addition, multiple duct and pipe shipments were also completed and delivered in December. The most notable deliveries include the two 60-inch diameter duct segments which serve as the supply and exhaust distribution headers distributing/collecting ventilation airflows to/from the C5V ventilation system HEPA filter housings. The first four remote C5VHEPA filter housings are currently being fabricated by the vendor. Fabrication of the HEPA filter housings for the Melter Offgas (HOP) and Pulse Jet Vent (PJV) systems will begin in February and March 2011. The HEPA filter housings for all three systems are scheduled for delivery to the Project in beginning in February 2011 and the last housing will arrive in August 2011. All delivery dates support the filter cave critical path schedule.

Significant Planned Actions in the Next Six Months:

- Commence installation of duct, pipe, and support steel in the Filter Cave (01/2011)

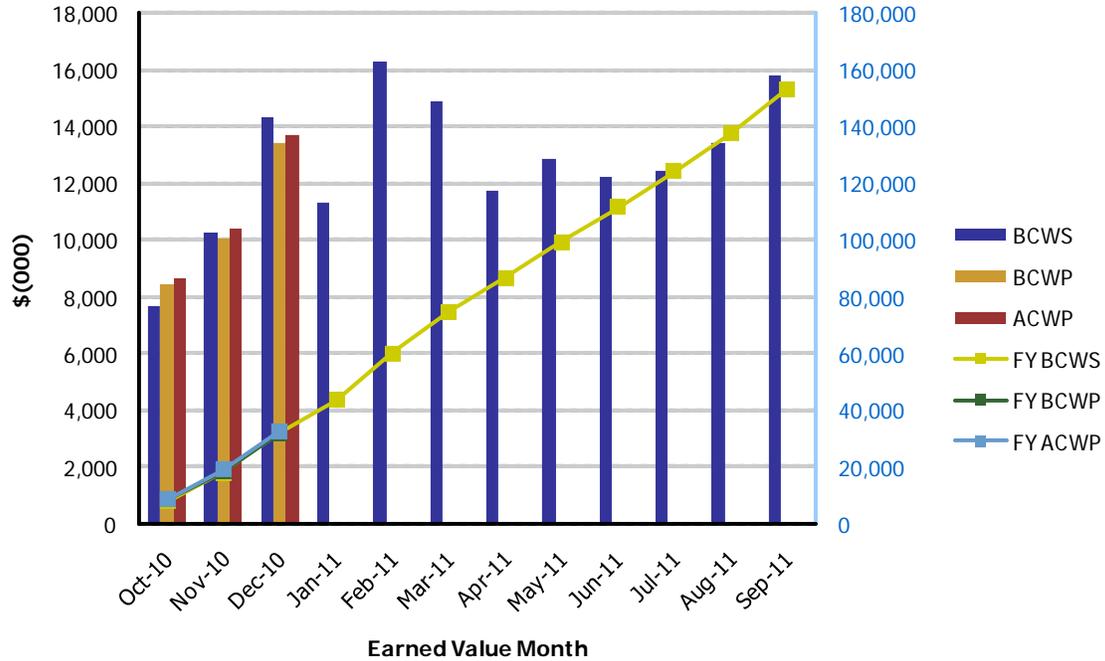
- Complete Civil, Structural, and Architectural Title II Design Contract Milestone (02/2011)
- Receive initial delivery of C5V HEPA Filter Housings (02/2011-03/2011)
- Commence roofing of Annex (03/2011)
- Receive Canister Decontamination Vessels (04/2011)
- Set Shielded Personnel Access Door RWH-DOOR-20 in the Waste Drum Swabbing and Monitoring Area (05/2011)
- Complete fabrication of C5V Dampers (05/2011-07/2011)

Issues:

- The build-out of the Filter Cave is on the critical path schedule for the HLW Facility. The complicated installation of the support steel, housings, dampers, large diameter ducting, and piping requires precise coordination. WTP construction craft and the ventilation subcontractor have developed a detailed (Level-5) schedule that provides the installation sequencing for each pipe spool and each piece of support steel.
- The procurement and fabrication of vessels is also receiving management focus and priority. Procurements that have been on-hold are being revised to incorporate the revised ground motion studies and more formalized quality requirements. Vessel status is reported weekly to ensure completion and delivery prior to the scheduled installation dates.

**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 2010	\$7,653	\$8,413	\$8,615	1.10	0.98	\$7,653	\$8,413	\$8,615	1.10	0.98
Nov 2010	\$10,239	\$10,032	\$10,434	0.98	0.96	\$17,892	\$18,445	\$19,049	1.03	0.97
Dec 2010	\$14,364	\$13,384	\$13,697	0.93	0.98	\$32,256	\$31,829	\$32,746	0.99	0.97
Jan 2011	\$11,294					\$43,550				
Feb 2011	\$16,291					\$59,841				
Mar 2011	\$14,924					\$74,765				
Apr 2011	\$11,756					\$86,521				
May 2011	\$12,848					\$99,369				
Jun 2011	\$12,220					\$111,589				
Jul 2011	\$12,471					\$124,059				
Aug 2011	\$13,392					\$137,451				
Sep 2011	\$15,817					\$153,268				
PTD	\$726,676	\$731,053	\$721,872	1.01	1.01					

Note: December Data is preliminary and may possibly change.

Low-Activity Waste (LAW) Facility

D-00A-07, LAW Facility Construction Substantially Complete, Due: 12/31/2014, Status: On Schedule

D-00A-08, Start LAW Facility Cold Commissioning, Due: 12/31/2018, Status: On Schedule

D-00A-09, LAW Facility Hot Commissioning Complete, Due: 12/31/2019, Status: On Schedule

Significant Past Accomplishments:

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 90%, procurement is 80%, and construction is 64%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

Engineering issued confirmed calculations for the *LAW Critical Instrument Service Air Backup Bottles Sizing, Design Pressure and Design Temperature Calculation for LFP (LAW Melter Feed Process) System, Design Pressure and Design Temperature Calculation for Chilled Water System, Design Pressure and Design Temperature Calculation for LCP (LAW Concentrate Receipt Process) System, and the Concentrate Receipt Pumps*. Engineering also issued an instrument data sheet for LAW “commercial” pressure transmitters and developed controls and instrumentation (C&I) installation reports for several areas within the LAW facility. Integrated control network software was developed for the autosampling (ASX) system. In addition, controls and instrumentation (C&I) software was developed for several other systems, including ventilation, sodium hydroxide reagent, and environmental monitoring systems.

- Procurement

The two, LAW autosampling units for the autosampling (ASX) system were received in December. The two LAW melters were moved into temporary storage at the site. Other procurement activities included the issuance of material requisitions for the variable area flowmeters and pressure relief valves as well as a material requisition for the purchase of the LAW offgas important-to-safety (ITS) uninterruptible power supply system.

- Construction

During December, BNI completed installation of the personnel elevator doors. Construction began installing pumps for the sodium hydroxide reagent (SHR) system and continued to install cooling panels, the fire alarm system, grating in the B-cell, and the transfer corridor bogie rails. Other normal activities continued such as installation of piping and hangers, cable tray, conduit and wiring, instrument enclosures, lighting fixtures, partition wall framing and gypsum wallboard, and perimeter sealants.

- Commissioning

Controls and instrumentation (C&I) software was tested for several systems, including ventilation, sodium hydroxide reagent, and environmental monitoring systems.

Significant Planned Actions in the Next Six Months:

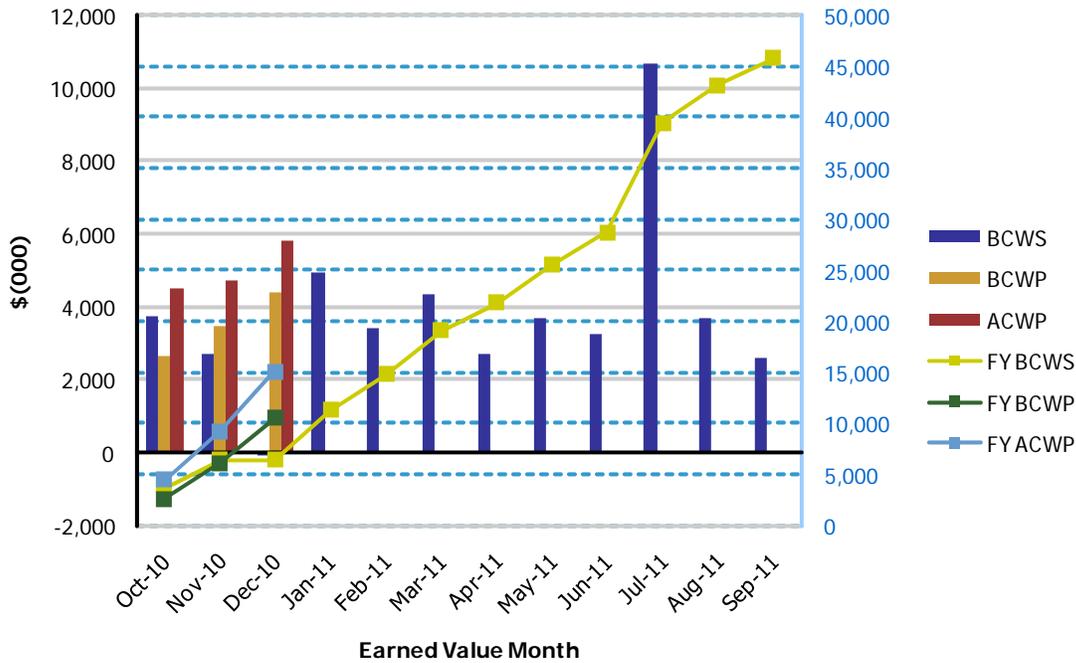
- Complete installation of LAW personnel elevator

Issues:

No major issues.

**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 2010	\$3,743	\$2,654	\$4,511	0.71	0.59	\$3,743	\$2,654	\$4,511	0.71	0.59
Nov 2010	\$2,732	\$3,462	\$4,752	1.27	0.73	\$6,475	\$6,116	\$9,263	0.94	0.66
Dec 2010	(\$84)	\$4,424	\$5,823	-52.67	0.76	\$6,391	\$10,540	\$15,086	1.65	0.70
Jan 2011	\$4,947					\$11,338				
Feb 2011	\$3,440					\$14,778				
Mar 2011	\$4,325					\$19,104				
Apr 2011	\$2,725					\$21,828				
May 2011	\$3,698					\$25,526				
Jun 2011	\$3,260					\$28,786				
Jul 2011	\$10,689					\$39,475				
Aug 2011	\$3,690					\$43,165				
Sep 2011	\$2,610					\$45,774				

PTD	\$594,861	\$591,479	\$638,183	0.99	0.93
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Note: December Data is preliminary and may possibly change.

Analytical Laboratory

D-00A-05, LAB Construction Substantially Complete, Due: 12/31/2012, Status: On Schedule

Significant Past Accomplishments:

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 73%, and construction is 69%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

In December BNI engineering issued eight (8) civil, structural, and architectural (CS&A) drawings for the LAB and eight related calculations. In addition controls and instrumentation (C&I) software was developed for the miscellaneous gases (MXG), bottled nitrogen gas (BNG), bottled argon gas (BAG), and bottled helium gas (BHG) systems.

- Procurement

Material requisitions were issued for the purchase of LAB-specific variable area flowmeters and pressure relief valves.

- Construction

In December, BNI began installation of the LAB autosampling equipment. In addition, other construction activities continued, including piping installation in the C2, C3, and C5 drainage pits, electrical raceway, piping and hangers for the chilled water, low pressure steam, and steam condensate systems, conduit, lighting, and electrical equipment.

- Commissioning

Controls and instrumentation (C&I) software testing was performed for the LAB C1V ventilation system and for the miscellaneous gases (MXG), bottled nitrogen gas (BNG), bottled argon gas (BAG), and bottled helium gas (BHG) systems.

Significant Planned Actions in the Next Six Months:

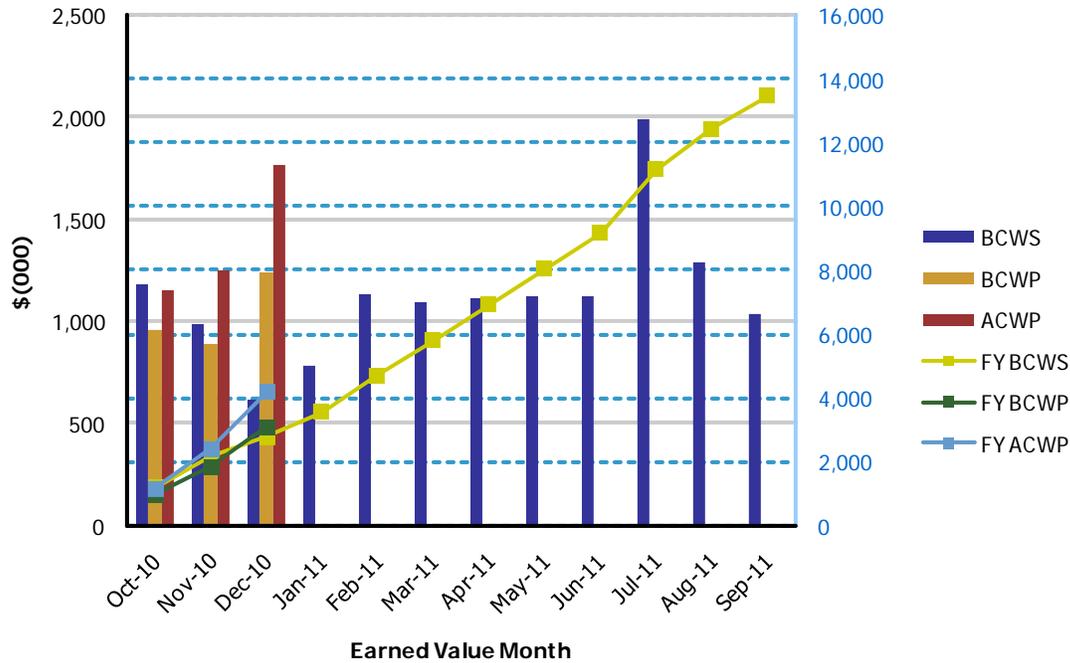
- Install LAB waste drum bogie shield door
- Complete LAB C5 ventilation filter room ceiling design

Issues:

No major issues.

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 2010	\$1,180	\$954	\$1,152	0.81	0.83	\$1,180	\$954	\$1,152	0.81	0.83
Nov 2010	\$984	\$893	\$1,245	0.91	0.72	\$2,164	\$1,847	\$2,397	0.85	0.77
Dec 2010	\$621	\$1,236	\$1,768	1.99	0.70	\$2,785	\$3,083	\$4,165	1.11	0.74
Jan 2011	\$783					\$3,568				
Feb 2011	\$1,137					\$4,706				
Mar 2011	\$1,096					\$5,802				
Apr 2011	\$1,116					\$6,918				
May 2011	\$1,128					\$8,046				
Jun 2011	\$1,125					\$9,170				
Jul 2011	\$1,986					\$11,156				
Aug 2011	\$1,289					\$12,445				
Sep 2011	\$1,038					\$13,482				
PTD	\$155,999	\$155,470	\$168,843	1.00	0.92					

Note: December Data is preliminary and may possibly change.

Balance of Facilities (BOF)

D-00A-12, Steam Plant Construction Complete, Due: 12/31/2012, Status: On Schedule

Significant Past Accomplishments:

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 85%, procurement is 44%, and construction is 60%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

BNI Engineering issued a confirmed calculation to support sizing of the relief valves for the demineralized water (DIW) and process service water (PSW) systems. Control logic diagrams were issued for the Diesel Fuel Oil (DFO) system. The integrated safety management evaluation was completed for the emergency diesel generator (EDG) ashfall mitigation design. Software life cycle documents were issued for the standby diesel generator (SDG) fuel tank heater controller and the plant service air (PSA) system.

- Procurement

The major focus has been on procurement of the Emergency Diesel Generators (EDGs). The proposal for this equipment continues under review and analysis prior to awarding a contract. Interactions of BNI Engineering with the ammonia system vaporizer skid vendor continued to ensure approval of the design calculations for this equipment. The CO₂ vessel delivery is now expected in January.

- Construction

BNI construction completed setting two electrical manholes and installing electrical duct bank at the anhydrous ammonia storage facility (AASF). Additional work at the anhydrous ammonia storage facility (AASF) included continued installation of piping commodities. Installation of pressure safety valve instrumentation was initiated for the plant cooling water (PCW) system at the chiller compressor plant (CCP) building. BNI continued multiple construction activities at the chiller compressor plant (CCP), the glass former storage facility (GFSF), the non-dangerous/non-radioactive effluent (NLD) facility, and the water treatment facility.

- Commissioning

Work continued on the development of a decontamination guide.

Significant Planned Actions in the Next Six Months:

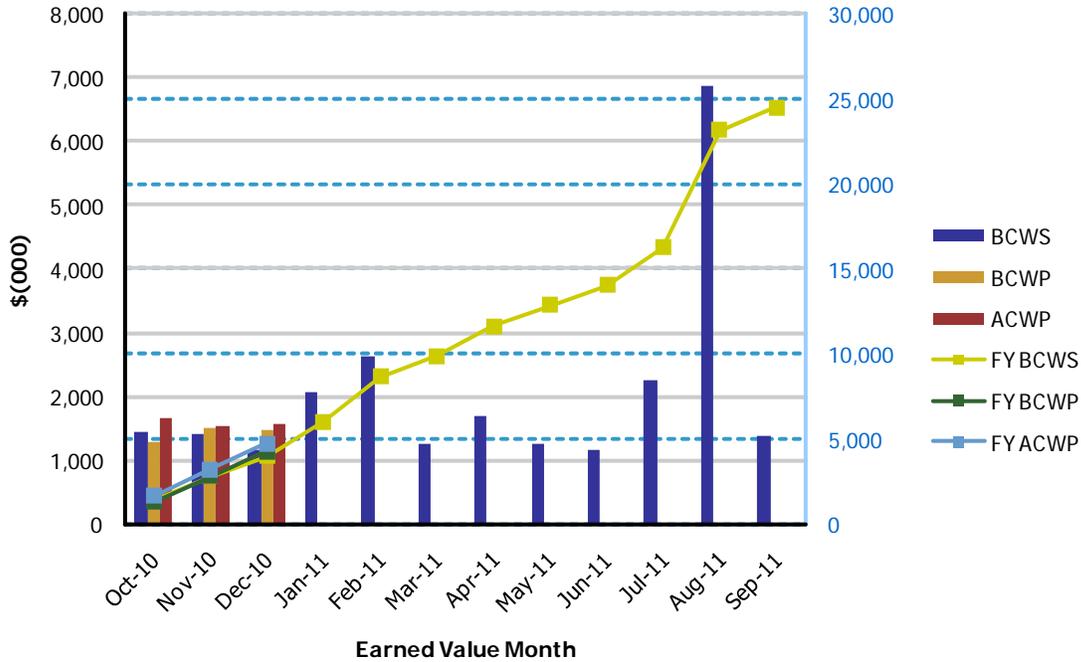
- Award EDG procurement
- Complete concrete placements for BOF Ammonia Facility
- Receive BOF ammonia vaporizer skid
- Complete water treatment facility

Issues:

No major issues.

**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 2010	\$1,428	\$1,272	\$1,660	0.89	0.77	\$1,428	\$1,272	\$1,660	0.89	0.77
Nov 2010	\$1,398	\$1,520	\$1,539	1.09	0.99	\$2,826	\$2,792	\$3,199	0.99	0.87
Dec 2010	\$1,150	\$1,475	\$1,558	1.28	0.95	\$3,976	\$4,267	\$4,757	1.07	0.90
Jan 2011	\$2,058					\$6,034				
Feb 2011	\$2,634					\$8,668				
Mar 2011	\$1,243					\$9,911				
Apr 2011	\$1,698					\$11,610				
May 2011	\$1,264					\$12,874				
Jun 2011	\$1,168					\$14,042				
Jul 2011	\$2,239					\$16,281				
Aug 2011	\$6,854					\$23,135				
Sep 2011	\$1,384					\$24,518				
PTD	\$239,169	\$238,633	\$236,671	1.00	1.01					

Note: December Data is preliminary and may possibly change.

Waste Treatment Plant Project - Percent Complete Status												
Through December 2010												
(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities												
Low-Activity Waste	924.8	591.5	64%	219.4	197.3	90%	233.3	187.5	80%	315.8	200.7	64%
Analytical Lab	343.2	155.5	45%	51.5	41.5	81%	56.9	41.3	73%	88.7	61.4	69%
Balance of Facilities	523.6	238.6	46%	69.4	58.7	85%	83.9	37.1	44%	226.6	134.8	60%
High-Level Waste	1,417.5	731.1	52%	328.1	283.1	86%	440.1	273.7	62%	523.4	170.2	33%
Pretreatment	2,446.7	1,106.3	47%	653.9	510.0	78%	708.0	297.2	42%	893.3	293.9	33%
Shared Services	4,768.9	3,089.9	65%	1,081.0	855.7	79%	470.2	330.7	70%	1,405.7	977.8	70%
Total WTP w/o UB	10,424.7	5,912.8	57%	2,403.3	1,946.3	81%	1,992.4	1,167.5	59%	3,453.5	1,838.7	53%
Undistributed Budget	65.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,490.4	5,912.8	56%	2,403.3	1,946.3	81%	1,992.4	1,167.5	59%	3,453.5	1,838.7	53%

Source: WTP Contract Performance Report

Note: In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

**DRAFT / WORKING ORP Key Documents List
January 25, 2011**

Milestone Title	Milestone Number	Document	Due Date/Planned Delivery Date ¹	Regulatory Review Dates		DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
				Anticipated Completion Date ²	Final Completion Date				
M-45-91 Interim Milestones and Target Dates for SSTs Implementing the Expert Panel's Recommendations (continued)	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91H	Submit Change Pkg (if necessary) to est. Additional Milestones	07/31/15			J. Johnson	S. Sax	J. Lyon	
	M-045-91I	Provide IQRPE Certification of SSTs Structural Integrity	09/30/18			J. Johnson	S. Sax	J. Lyon	
Submit to Ecology as an Agreement Primary Document a Catch Tank "assumed leak" Response Plan.	M-045-100	Catch Tank "Assumed Leak" Response Plan.	12/28/10	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP letter 10-TPD-176
Submit to Ecology as an Agreement Primary Document a report on all Catch Tanks and associated pipelines that are identified in the SST System Part A, or otherwise used in operations.	M-045-101	Report on all Catch Tanks and Associated Pipelines that are Identified in the SST System Part A, or Otherwise used in Operations.	12/28/10	N/A	12/28/10	C. Kemp	S. Eberlein	J. Lyon	ORP letter 10-TPD-176
Complete final design and submit RCRA Part B Permit Modification Request	M-062-31-T01	RCRA Part B Permit Modification--Final Design	04/30/16			D. Noyes	F. Miera	D. McDonald	
Submit a System Plan to Ecology describing the disposition of all tank waste managed by ORP, including retrieval of all tanks not addressed by the Consent Decree, and the completion of the treatment mission	M-062-40	Submit System Plan to Ecy/Select Minimum 3 Scenario's	TBD (ongoing every 3 years)			R. Koll	S. Killoy	J. Lyon	Created via CR M-62-09-01 and establishes System Plan milestones
	M-62-40A	DOE and Ecology Submit Scenarios (including underlying common and scenario-specific assumptions) to be analyzed in the System Plan	10/31/10	N/A	10/28/10	R. Koll	T. Crawford	J. Lyon / D. McDonald	ORP met with ECY to discuss scenarios – gained agreement and signature on milestone package. Signed joint ORP/ECY letter (10-TPD-148) delivered to EPA for receipt 10/28/2010.
	M-062-40B	Submit System Plan	10/31/11			R. Koll	T. Crawford	J. Lyon	
	M-062-40ZZ	Submit One Time Tank Waste Supplemental Treatment Tech. Report	10/31/14			R. Koll	S. Killoy	D. McDonald	
	M-062-45-ZZ	Technologies Selection Report	04/30/15			R. Koll	S. Killoy	D. McDonald	
System Plan – WTP Accomplished Activities Report	M-062-49	Submit Report to Ecy Demonstrating WTP Accomplished Activities	10/31/11					D. McDonald	

Bold red indicates due date and/or submittal in next 90 days

Bold blue indicates recent completion

ORP Project Managers Meeting
January 24/25, 2011
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Administrative Record Items

(9 pages including this coversheet)

**MEETING NOTES – Waste Management Area C Work Plan
Revisions**

Meeting Date: October 27, 2010

Location: 1200 Jadwin, Room 3-C4

Purpose: Discuss Ecology requests for updates to the Waste Management Area (WMA C) RFI/CMS Work Plan.

Attendees:

Heather Anastos (WRPS)	Bob Lober (ORP)
Mike Barnes (Ecology)	Dave Myers (WRPS)
Marcel Bergeron (WRPS)	Julie Robertson (WRPS)
Joe Caggiano (Ecology)	Beth Rochette (Ecology)
Dwayne Crumpler (CEES)	Harold Sydnor (WRPS)
Mike Connelly (WRPS)	Andrew Templeton (WRPS)
Les Fort (WRPS)	

Background:

- This meeting is part of a series of monthly meetings between Ecology and ORP project managers and their associated technical support staff. The meetings provide a forum to review information generated as a result of the WMA C RFI, and to determine whether changes to the characterization plans and/or the Work Plan are necessary. The meetings may also be used to discuss comments and questions from EPA and Ecology. Meeting notes will be approved by the project managers and entered into the Administrative Record. If the parties agree that changes to the Work Plan are appropriate, the TPA change control process will be used to document Work Plan changes.

Discussion:

- The August 11, 2010 meeting notes were provided to the attending Ecology staff for the Ecology project manager approval.
- **Status of the Work Plan:**
 - *Hanford Federal Facility Agreement and Consent Order* (TPA) Change Control Form M-45-10-2, revising the WMA C RFI/CMS Work Plan (RPP-PLAN-39114) and the WMA C Soil SAP (RPP-PLAN-38777) was signed by Ecology and ORP and submitted to the Administrative Record.
 - Appendix B of RPP-PLAN-39114, *Sampling and Analysis Instructions for Small Mammal Sampling in WMA C*, is being redlined to incorporate final revisions prior to initiation of sampling activities. Revisions include minor changes to the sampling transect locations, corrections, and clarifications. The draft revisions were shared with Ecology earlier in the day. Project Manager approval of the revisions will ultimately be documented on a TPA change notice form.
- **New topics:**
 - **Detection limits:** In September, Ecology asked whether the laboratory soil samples analyzes were having difficulties meeting the required detection limits. Available analytical information is being reviewed to determine if there are issues. There appear to be some difficulties associated with selenium and uranium. The required detection limit for selenium, in particular, may need to be modified in the work plan. An action item was taken to track the matter to closure.
 - **Review of volatile organic compound (VOC) data:** RPP-PLAN-38777 documents the approach to analyzing soil samples for organic contaminants. Five WMA C sites deemed most

likely to be contaminated with organic contaminants are to be sampled and analyzed for the full suite of analytes. Analytical results from these 5 sites will be used to determine whether organic analytes are to be removed from the list of COPCs. Tributylphosphate (TBP) is the designated indicator organic; if TBP is not found at any of the 5 selected sites, then it is projected that other organic tank waste contaminants will not be in WMA C vadose zone samples.

WRPS presented available analytical results from VOC sampling performed in fiscal years 2009 and 2010. FY09 data are published in reports RPP-RPT-44557 and RPP-RPT-46241; FY10 sample results are preliminary. Final analytical results from four of the five organic sample sites, preliminary sample results from the fifth site, and data from three additional sites were reviewed at the meeting.

In summary, TBP was not detected in any of the samples. The majority of the detected VOCs are also detected in blanks, are common laboratory contaminants, and/or are detected at concentrations near the analytical detection limit. In addition, due to the absence of high levels of VOCs in any of the samples, high concentration VOC (methanol) sampling was not necessary.

WRPS recommended that high concentration VOC sampling be eliminated immediately for all future sampling events. Ecology agreed to this recommendation, and their acceptance is acknowledged by signing these meeting notes.

WRPS also recommended that once the FY10 analytical results for the fifth selected site are released, future sampling for organic tank waste contaminants be reevaluated. ORP accepted an action to formally document the results of its reevaluation in a letter to Ecology, following receipt of the final FY10 analytical results. WRPS estimated that the validated analytical results should be available in February 2010.

- **Data reporting and requests for additional characterization work:** ORP and Ecology intend to share RCRA facility investigation results as they become available, to support open communications and timely decision making. ORP and Ecology recognize the potential for data and information to prompt re-evaluation of actions described in the investigation work plan, and timely evaluation of such information will afford more efficient conduct of the investigation.

There are many requests for release of data and information as a part of ongoing meetings with the public and stakeholders regarding the WMA C investigation. ORP agreed that preliminary data (that which has not undergone verification and validation) should be shared informally and discussed with Ecology as early as possible, thereby promoting proper consideration in the context of the overall investigation. The parties agreed that data cannot be shared with external groups until after undergoing proper verification and validation, at which time the data is considered final.

Review of existing WMA C investigation data (final and preliminary) together with new groundwater monitoring data (in particular sample results from well 299-E27-23) is indicating the need to evaluate performing additional characterization in two areas of WMA C:

- The south end of the farm around well E27-23 and its associated pipelines
- The southeast section of the farm near sites G and L2, near tank C-103 and the Cs load-out facility and associated pipelines.

- **Status of ongoing field investigation:**

- RPP-PLAN-39114, Rev 1A, Figure 6-1 identifies that in FY 11, four direct push locations will be completed. This commitment is expected to be completed by doing angle pushing at the following locations:
 - Location J (upper C-Farm beneath C-104 Tank)
 - Location A (upper C-Farm beneath C-101 Tank)
 - Locations C1 and C2 (lower C-Farm below C-200 Tanks)
- Work continues at Location Q (UPR 82/cesium pile). As of 10/27/2010, installation of four direct pushes and logging were complete. A deep electrode was placed in one of the four probe holes (C7942), and decommissioning was initiated on this hole.

- o WRPS reported that well E27-23 was sampled in September 2010. Analytical results showed a Tc-99 level of 17,000 pCi/L, continuing a downward trend from the high of 20,800 pCi/L measured in April 2010.

Actions:

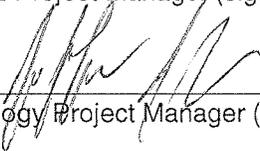
See attached table. A date-based numbering system is being used as an aid in tracking the topics to completion. Topics/actions will be removed from the list after ORP and Ecology have agreed to their completion.

Robert Lobe
DOE Project Manager (print)


DOE Project Manager (signature)

1/27/2011
Date

Jeff Lyon
Ecology Project Manager (print)


Ecology Project Manager (signature)

1/27/2011
Date

Discussion and Actions

NEW:

Item No.	Topic for Consideration	Action required	Actionee	Impact on WP	Status
08-11-10-1	EPA disclaimer language	Track to resolution with lawyers	B. Lober	Include info in next WP revision.	Closed. Text will be changed to "Consistent with paragraph 19 of the TPA, this plan addresses all aspects of contamination, including AEA material. However, the inclusion of AEA materials in the plan does not confer RCRA or HWMA authority over otherwise exempt AEA spent, byproduct, and special nuclear material." In process.
08-11-10-3	Conceptual model for spare inlet overflow – important for C-105	Impact and locations of potential overflow spills should be evaluated near C-101, -105, and -110 and text included in WP.	L. Fort	Include info in next WP revision	
08-11-10-5	Organic issue and status what has been agreed to on the 5 locations for organics... any TIC data?	Provide Ecology with detailed status of organic results to support evaluation of need to continue sampling. Modify WP as appropriate.	A. Templeton	Possible future WP change	VOC results were presented at 10/27/2010 meeting, along with recommendations. ORP will prepare letter documenting recommendations and requesting response.
08-11-10-6	Twinning of the groundwater boreholes is this good idea?	Evaluate whether PRC borehole E-27-24 was contaminated. Provide data to Ecology and jointly determine whether twinning should occur. (Well is at 100-ft boundary.) TY farm may have completion report with relevant info. No WP change at this time.	C. Tabor (PRC communication), and Harold Sydnor (well completion report); D. Crumpler (follow-on review of WP)	Possible future WP change	Closed. Data from 299-E27-24 have been reviewed. Well was sampled at 248-262 ft bgs, which is almost certainly deeper than push rig can go. Geophysical log of well did not indicate contamination. Twinning at this location would be of little value. Relevant text in Section 4.5 of the WP was reviewed and discussed. The intent of Section 4.5 has been met.
08-11-10-8	C-200s proposal for SGE and logging E27-7...	Proposal is to place several deep electrode strings/do SGE near C-200 tanks, in later FY11. Not currently in budget. Separate from this effort, updates are required to WP text regarding specific wells to be logged.	H. Sydnor/ D. Myers (define scope); B. Lober/ S. Eberlein (obtain budget); J Field (redlines on logging)	Include info in next WP revision regarding known in-scope changes to logging efforts.	(1) Scope/budget discussions are ongoing. (2) Redlines on known scope changes will be incorporated into next revision.
08-11-10-9	What is planned for E27-23	There is a well on SW side of C Farm near transfer line. Need to investigate a Tc-99 increase. Need follow-up discussion on scope of investigation.	D. Myers, G. Thomas, M. Barnes	Possible future WP change	Archive samples from drilling of E27-20 are available for investigation. Funding requirements are being

Item No.	Topic for Consideration	Action required	Actionee	Impact on WP	Status
08-11-10-11	Status of availability of C-111 push	Revise WP to change designation of Access Availability in tables from "good" to "constrained by retrieval operations." Similarly update other access information to reflect current state.	J. Robertson	Include info in next WP revision.	investigated. In process.
08-11-10-Q4	Do you want to update the analyte list based on changes to RPP-23403, Rev. 4 (sulfide)?	SST DQO has been modified to remove sulfide. Need to evaluate removal of sulfide from C Farm DQO and if appropriate revise analytes in WP.	C. Tabor	Possible future WP change	Evaluation and development of recommendation are in progress.
10-23-10-1	Detection limits	Evaluate whether detection limits identified in WP are appropriate.	D. Crumpler	Possible future WP change	Evaluation and development of recommendation are in progress.

PT 2011 Top Ten Goals

1. Maintain SPI/CPI ≥ 1.01 for the year
2. Materialize \$25M of Opportunities
3. Issue recommitted P&IDs impacted by technical issues
4. Large Scale Integrated Test (LSIT) Test Stand ready for system test
5. Place 7,250 cubic yards of concrete
6. Install 100,000 linear feet of pipe
7. Complete fabrication of 3 Black Cell vessels
8. Receive Ecology authorization for the first on-site vessel modification
9. Release 33 jumper frames for fabrication
10. Release procurement of PVV/PVP equipment



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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January 13, 2011

Ms. Stacy Charboneau, Assistant Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. Delmar Noyes, Project Director
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Re: *Hanford Federal Facility Agreement and Consent Order* (HFFACO) Milestone M-62-30,
Notification of Department of Ecology (Ecology) Opinion that the United States Department
of Energy (USDOE) Actions Jeopardize Milestone Completion

Dear Ms. Charboneau and Mr. Noyes:

This letter notifies USDOE that Ecology, as the lead regulatory agency, has formed the opinion that USDOE actions jeopardize completion of HFFACO Milestone M-62-30. The following is the Project Manager's detailed rationale for this opinion.

Ecology understands and supports USDOE's desire to quickly and efficiently resolve issues related to Supplemental Pretreatment and Supplemental Treatment (immobilization), such as those identified in the *External Technical Review of System Planning for Low-Activity Waste Treatment at Hanford* (2008). However, Ecology believes that USDOE's apparent intent to unilaterally select approaches and technologies is inconsistent with the negotiations specified in Milestone M-62-30. Therefore, USDOE has jeopardized completion of Milestone M-62-30.

Section 4.1 of the HFFACO Action Plan requires USDOE to reply to this notification within 15 working days of receipt. The reply must be made to Ecology in writing.

Related HFFACO Schedules and Requirements

Section 11.8 of the HFFACO Action Plan requires that the River Protection Project be established and managed as an integrated system. Accordingly, Ecology also notifies you of our opinion that USDOE's failure to initiate Milestone M-62-30 negotiations jeopardizes related Milestone M-62 schedule requirements and schedules. Specific references to milestones are as follows:

M-62-00:

"DOE internal work schedules (e.g., DOE approved schedule baselines) and associated work directives and authorizations for this milestone series shall be consistent with the requirements of this Agreement. Modification of DOE contractor baseline(s) and issuance of associated DOE work directives and/or authorizations that are not consistent with Agreement requirements shall not be finalized prior to approval of an Agreement change request submitted pursuant to Agreement Action."

Ms. Charboneau and Mr. Noyes
January 13, 2011
Page 2

M-62-40:

Ecology believes that the evaluation of treatment options can only occur after development work for treatment-related issues has been completed. The results from these development activities and other information would then be included in the *Hanford Tank Waste Supplemental Treatment Technologies Report*.

M-62-45:

Ecology believes that after we review the *Hanford Tank Waste Supplemental Treatment Technologies Report*, the supplemental treatment selection would then be made in negotiations under Milestone M-62-45 (3). During these negotiations, Milestones M-62-31-T01 through M-62-34-T01 will also be modified and become interim milestones.

We would like to start Milestone M-62-30 negotiations as soon as possible and complete them in a timely manner.

If there are questions or concerns, contact me at 509-372-7988 or Suzanne Dahl at 509-372-7892.

Sincerely,



Dan McDonald
Tank Waste Treatment Project Manager
Nuclear Waste Program

cc electronic:

Dave Bartus, EPA
Dennis Faulk, EPA
Jonathan Dowell, USDOE
Stephen Pfaff, USDOE
Woody Russell, USDOE

cc: Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN
Susan Leckband, HAB
Ken Niles, ODOE
Administrative Record: Tri-Party Agreement
Environmental Portal
Hanford Operating Record General File
USDOE-ORP Correspondence Control