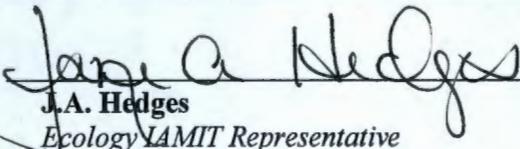
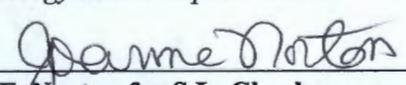
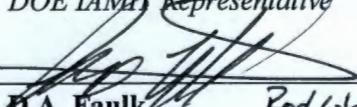


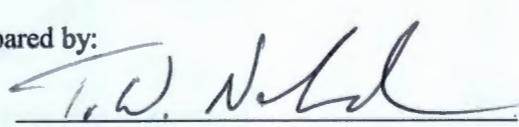
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**Office of River Protection
Tri-Party Agreement Milestone Review
Meeting Minutes
August 18, 2011**

Approval:  Date: 9/19/11
J.A. Hedges
Ecology IAMIT Representative

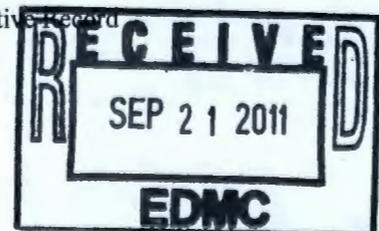
Approval:  Date: 9/20/2011
J.F. Norton for S.L. Charboneau
DOE IAMIT Representative

Approval:  Date: 9/19/2011
D.A. Faulk *Red Lobas for.*
EPA IAMIT Representative

Minutes Prepared by:  Date: 9/20/2011
T.W. Noland
Mission Support Alliance

Abdul, W.	ORP	Lynch, J.J.*	ORP
Barnes, M.W.	Ecology	Lyon, J.J.*	Ecology
Biyani, R. K.*	Ecology	Manolopoulos, V.*	MSA
Bohnee, G.	NPT	McDonald, D.*	Ecology
Caggiano, J.A.	Ecology	Miera, F.R.*	WRPS
Charboneau, S.L.*	ORP	Niles, K.	OOE
Cimon, S.	ODE	Noland, T.W.*	MSA
Dahl, S.L.	Ecology	Norton, J.F.*	ORP
Diediker, J.A.	ORP	Noyes, D.L.*	ORP
Donnelly J.W.	WRPS	Olsen, G.B.	ORP
Dowell, J.A.*	RL	Pfaff, S.H.*	ORP
Eberlein, S.J.	WRPS	Piippo, R.E.*	MSA
Faulk, D.A.*	EPA	Price, J.B.*	Ecology
Fletcher, T.W.	ORP	Quigley, K.D.*	WRPS
Harris, S.	CTUIR	Russell, R.W.*	ORP
Hedges, J.*	Ecology	Skinnarland, R.R.	Ecology
Hendrickson, M.L.*	Ecology	Smith, D.M.*	ORP
Huffman, L.A.*	ORP	Teimouri, A.E.	HQ
Jim, R.	Yakama	Trenchard, G.D.	ORP
Johnson, J.M.*	ORP	Uziemblo, N.H.	Ecology
Kaldor, R.A.*	MSA	Vanni, J.	Yakama
Kemp, C.J.*	ORP	Wang, O.S.*	Ecology
Killoy, S.E.*	WRPS	Whalen, C.L.*	Ecology
Knight, D.P.*	ORP	Wold, K.J.*	Ecology
Knox, K.E.*	KCR	Young, J.D.	ORP
Knutson, D.E.	ORP	Administrative Record	
Lober, R.W.	ORP		
Luke, J.J.*	WRPS		

*Attendees



**Office of River Protection
Tri-Party Agreement Quarterly Milestone Review
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August 18, 2011**

TPA/CD Statistics/Status

ORP stated that discussions have been held with Ecology regarding M-45-100, which is in dispute resolution. ORP will meet with Ecology next Monday (8/22/11), and the plan is to resubmit the document to Ecology shortly thereafter. ORP reported that the semi-annual compliance reports for the Consent Decree and the TPA were submitted at the end of July 2011. All of the TPA and CD milestones remain on schedule.

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

ORP noted that all the milestones listed are on schedule or have been completed.

Significant Planned Actions in the Next Six Months - ORP stated that the SGE work in BY Farm and the characterization around UPR-82 in C Farm will be dependent on FY12 funding, which is pending discussions with Headquarters.

M-45-00 Series:

SST Retrieval and Closure Program - ORP reported that a meeting was held with Ecology last week to discuss the identification of catch tanks and SST components (M-045-101). ORP stated that once the language is finalized, the document should be on track to be completed next month.

As stated above, ORP plans to resubmit to Ecology the catch tank document associated with M-045-100. ORP requested a second extension to the end of October 2011 for submittal of the M-045-100 and M-045-101 documents. ORP noted that the M-045-100 document could probably be resubmitted by September 15, 2011, but wanted to ensure enough time for discussion and incorporation of comments. Ecology requested re-submittal of the M-045-100 document by August 31, 2011, noting its preference to close out the PCHB issue. ORP agreed to the August 31 re-submittal date. Ecology granted an extension to the end of October for submittal of the M-045-101 document. ORP and Ecology continue their review and comment resolution on the four documents associated with the C-200 Closure Demonstration Plan (M-045-80).

Issues - ORP initiated a discussion regarding the unsigned draft Agreement in Principle (AIP) and change packages. ORP requested closure of the issue, stating that Ecology plans to pursue the legislative approach to address soils. Ecology agreed that the issue should be closed, noting that the draft AIP has expired and the change packages were never transmitted to Ecology. ORP suggested closing out the IS-1 issue, noting that a workshop was held this week with Ecology. ORP will be working closely with DOE-RL as the work from IS-1 matures, and will fold DOE-RL's critical path schedule into the work at C Farm. Ecology agreed that this issue could be closed out.

ORP initiated a discussion regarding the last bullet issue on numeric modeling, and indicated that the issue needs to be reworded. ORP stated that when the C Farm Performance Assessment (PA) was started, the importance of the features, events and processes (FEPs) with Ecology was not understood. ORP wrote a letter of direction to the contractor to perform scoping calculations, FEPs and modeling, with the understanding that the final PA could not be issued until after the Environmental Impact Statement (EIS) is issued. ORP stated that there is not a delay in modeling, and the calculations are being done. A draft WMA-C PA schedule was provided to Ecology last month. Ecology stated that its understanding during the PA workshops was that the modeling was being delayed, which would impact the schedule. Ecology agreed that if the issue as stated does not represent what happened, the wording could be changed. ORP reiterated the impact from the FEPs. ORP will bring the letter of direction to the contractor to the PA workshop scheduled next week with Ecology. ORP will provide the language to reword this issue.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria - ORP stated that the process continues with the Appendix H exception request.

C-Farm Critical Path - ORP provided an update on the C Farm's critical path schedule. There were minimal impacts to C-101 retrieval due to limited resources to complete activities associated with system installation. C-102 design had minimal impacts due to limited resources, and it is expected to recover the schedule by next month. Retrieval operations in C-104 had a slippage due to limited resources and activities associated with removal of the thermocouple. Bulk retrieval was completed in May 2011 when the limits of technology were reached. There were slips to hard heel removal (HHR) activities. A baseline change request (BCR) for FY12 that will include changes to the scope of work for HHR is being drafted for DOE review and approval. Specific procurements of phase 1 components in C-105 continue to be detailed out in the working schedule and the Integrated Mission Execution Schedule (IMES). Delivery dates may fluctuate as vendor commitment dates are negotiated.

For C-107, the slippage in installation occurred during completion of the construction acceptance test (CAT). The completion of the CAT is being coordinated with other startup and readiness activities to lessen the impact of delays. Testing efforts are also being coordinated with C-108 HHR decision as both tanks retrieve to the same DST receiver tank and share some common equipment. ORP stated that startup of C-107 is scheduled for September 12, 2011, using the Mobile Arm Retrieval System (MARS) sluicing and high pressure washer. Startup of C-108 is planned for early October 2011. C-107 and C-108 will retrieve to DST receiver tank AN-106 through portable valve box 104. It was noted that the startup of C-107 and C-108 was not included on the schedule provided today. ORP stated that the schedule is from last month and quarter, and the information regarding startup of C-107 and C-108 is the most current information. ORP noted that C-108 was bulk retrieved. Two 5,000 gallon water washes and a caustic wash will be done in the tank, followed by two more water washes. The purpose of the washes is to dissolve the sodium and the aluminum, with the goal of getting below 360 cubic feet.

For C-Farm infrastructure DST receiver tank 4, there were no changes to DST receiver tanks for C-102 and C-105. AZ-101 will no longer be used as a C Farm receiver tank. Changes to this tank are pending an FY12 BCR, and the schedule will undergo major revision which will be effective next month. ORP stated that AZ-101 was used as a receiver tank for one tank, and after a re-evaluation of C Farm it was determined that all of C Farm can be retrieved to AN-101 and AN-106.

Tank Retrievals with Individual Milestones - ORP reported no change in status to these milestones.

Double Shell Tank Closure - The milestone is on schedule and there were no issues to report.

242-A Evaporator Status - There was no discussion or issues reported for the 242-A Evaporator.

SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B Series -

ORP stated that a final meeting is scheduled for September 24, 2011 on advising Ecology of the nine SSTs (D-00B-02).

Significant Past Accomplishments - In response to a previous inquiry from Ecology, ORP provided an update on the portable 107 exhauster used at C-107. There was some burned insulation, and an evaluation indicated it was a software issue. When the preheater is started up, the heater comes on and pulls a 400 amp draw. The glue used on the insulation smoked, and it was determined improper glue was used. It was also determined that the area where the exhauster was running shouldn't be drawing 400 amps. The software is being fixed, and an eight-hour test run was performed yesterday. ORP stated that no schedule delay is anticipated due to the incident last week. The hard heel sample was pulled out of C-109; however, there is a power issue at the 222-S lab, which has been down for 30-plus days, and the sample analysis work is being delayed. Ecology inquired about some corrosion that was experienced during the operational acceptance testing of the C-107 system. ORP responded that with the use of an iron-based simulant and the high velocity of the pump, the level of erosion was more than anything seen in the tanks. Some level of erosion was expected, and an aggressive simulant was purposely used. ORP will provide a status to Ecology on the testing and resulting erosion.

TWRWP Status - ORP and Ecology are in the process of resolving Ecology's disapproval of the Tank Waste Retrieval Work Plan (TWRWP) RPP-22393 for tanks C-102, C-104, C-107, C-108 and C-112. ORP has a due date of September 12, 2011 to formally respond to Ecology's comments on the work plan.

SST Integrity Assurance; M-45-91

Significant Past Accomplishments - Milestone M-045-91D was approved by Ecology, which is the test plan for testing the concrete cores taken from the C-107 dome. With an expedited review and electronic approval, the testing was started ahead of time and the majority of it has been completed. The compressive strength of the samples is two to three times higher than the design strength for the concrete in the tank. The design strength is at 3,000 psi, and the sample results

are between 5,000 and 9,000 psi. Ecology expressed appreciation to ORP for the opportunity to witness a field demonstration of side wall coring into an empty tank that was never used. Ecology stated that the results from that demonstration and lessons learned from different operational procedures has alleviated concerns about going into A Farm and coring into the side wall of a single-shell tank (SST). Tank A-106, which contains waste, will be the first SST to undergo side wall coring.

In Tank Characterization and Summary

Accomplishments - ORP reported that the grab samples for AP-105 and AY-101 were completed for the corrosion mitigation work.

Issues - ORP stated that all of the sampling is currently on schedule, although there have been some issues with getting samples processed due to the power outage at the 222-S lab. Ecology asked if any samples were lost during the power outage, and ORP indicated that none have been lost to date. Ecology asked when it is anticipated that 222-S will be back up and running. ORP will obtain the current status and provide it to Ecology.

Tank Operations Contract (TOC) Overview

ORP reported that the tank farms project is on schedule and under budget. ORP noted that the overview reporting section has been consolidated to highlight the key contributing areas based off each one of the sub CLINS that were allocated to each one of the budgeted funding summaries. Ecology inquired about the retrieval status as on schedule, noting that no retrievals have been done all year and there have been some delays in the schedule. ORP responded that C-104 was bulk retrieved, and that retrieval is planned for C-107 and C-108 this fall. ORP also noted that a lot of construction has been done this summer to prepare for retrieval and it is considered a part of the retrieval activity. ORP added that technology development and installation is being done before retrieval is started. Ecology noted that the schedule reflects some of the retrieval activities are extended beyond the planned schedule, but the retrievals aren't reflected as delayed because they aren't scheduled until the end of the project. Ecology stated that it has expressed concern in the past about scheduling the retrievals at the end of the project. If there is a problem with retrieval, it may impact the schedule completion.

Ecology inquired about the interim barrier in SX, noting that one of the reasons the second design in SX was expedited was to construct the evaporation basin this summer and fall. ORP responded that the construction of the basin has been canceled due to funding and low priority. Ecology stated that the first interim barrier is scheduled to be completed by October 31, 2012, and asked if ORP is still planning to complete the first barrier on schedule. ORP responded that it is dependent on the budget for FY12, which won't be known for at least another month. Ecology asked if the Waste Treatment Plant (WTP) pretreatment alternative studies reported under supplemental treatment was associated with the in-tank/near-tank pretreatment efforts. ORP responded that it is the in-tank pretreatment concept. ORP stated that a lot of developmental work is being done at Savannah River, and ORP will be utilizing a good portion of their design information to support the efforts here.

Ecology provided a handout with a table using current budgets and schedules, and there were several questions included. The handout was drafted in an effort to understand what deliverables are being done and when they are being done. The table included ORP's baseline budget, WRPS budget for closure, and the TPA milestone schedule. Ecology stated that the handout was also drafted to be used for discussion with ORP regarding what is needed to meet some of the milestone criteria. Ecology specifically noted the SST closure plan milestone that's due in 2015, and how the associated activities, including permitting, lines up with ORP and WRPS's budget and meeting the TPA milestone schedule. Ecology requested using the handout for discussion with ORP. ORP will review Ecology's handout and then set up a meeting for more detailed discussion. ORP noted that as long as the FY12 funding is uncertain, it's difficult to answer some of the questions posed by Ecology. ORP added that it has committed to discuss with Ecology once a month about priorities for retrieval and closure within the project scope in an effort to jointly decide the priorities. Ecology stated that one of its objectives is to understand the critical path for closure. Ecology provided a copy of the handout to attach to today's minutes.

Acquisition of New Facilities; M-90-00, M-47-00

ORP reported that an exercise was conducted to determine the cost-effectiveness of placing the tall canister into a cask and onto a pad outside. The result was short-term cost savings, but in the long-term the cost of producing the casks and stack them outside was fairly high. The long-term storage was estimated at about ten to 15 years. The alternative was to build a modular canister storage facility that can be added onto, which would be less costly.

ORP provided an update on secondary waste. ORP noted that the project was slowed due to some questions about the technetium recycle testing that's ongoing, and ORP was waiting for the results to better understand what the secondary waste treatment would be. The contractor conducted an analysis on options, and the alternatives defined for secondary waste treatment ranged from upgrading the Effluent Treatment Facility (ETF) to building a new effluent treatment facility or doing something significantly more robust in terms of steam reforming the secondary waste. ORP stated that the baseline shows that the offgas streams will be recycled in the WTP, and the baseline defines what the secondary waste stream is anticipated to be. If there is significant deviation from that baseline, the efforts to upgrade the ETF are increased out of proportion because ETF is a radiological facility, not a HazCat 3 facility. ORP has directed the contractor to proceed with the baseline secondary waste streams that have already been defined using the system planning and doing the alternatives analysis on the ETF. An independent panel of experts has been retained to evaluate the data package for the secondary waste alternatives. The panel will provide a formal recommendation to DOE-RL at the end of August 2011, and DOE-RL will make the final decision. The goal is to make the final decision fairly expeditiously in an effort to keep the project moving ahead in FY12.

Ecology expressed concern with the upcoming dates for making a decision on the secondary waste down-selection for several reasons: 1) the majority of the information provided today was the first time Ecology had heard about it; 2) Ecology is unaware of who the project people are; 3) Ecology has had no input on whether the criteria that's being considered for making the decisions

is relevant; 4) Ecology has seen no information on the secondary waste down-select, nor has it been apprised that the down-select was being made. As a result of these concerns, Ecology stated that it couldn't support the down-select in the short time frame. Ecology requested information on both high level waste and secondary waste to better understand what is under way and how things are going to proceed. ORP agreed to provide the information.

Supplemental Treatment/Part B Permit Applications; M-62-00, -20, -30, -45

ORP reported there were no updates to supplemental treatment since the last project manager monthly meeting. ORP noted that milestone M-62-40ZZ, which was listed under System Plan in today's project summary report, should be moved to Supplemental Treatment and inserted after M-062-30. ORP stated that supplemental immobilization will be impacted if FY12 funding is significantly reduced from the President's budget. ORP anticipates that the supplemental pretreatment project will continue to move ahead, in the interest of promoting the early commissioning of the Low Activity Waste (LAW) facility, because there needs to be a method to supply LAW feed to the WTP LAW building. ORP stated that the contractor will be producing a conceptual design report on supplemental pretreatment by the end of FY11 (September 30). The contractor is pursuing parallel paths with the in-tank and near-tank application. ORP indicated that it likely will select the in-tank application that uses the design work that's already been done at the Savannah River site. ORP noted that if early commissioning in the LAW building is pursued, it believes the in-tank application is the only option that is achievable within the time frame.

Ecology stated that from an engineering and operations/maintenance perspective, the near-tank design would be easier to maintain than in tank. ORP acknowledged the need to provide updates to Ecology on secondary waste and the conceptual design report for supplemental pretreatment, and also reiterated the plan to provide more detailed briefings to Ecology in October on the supplemental pretreatment and immobilization of secondary waste projects. Ecology noted that several requests have been made for at least a beginning schedule with permitting processes, and that it is unlikely there will be a parallel process of design and permitting. ORP responded that it is working to provide a schedule to Ecology. ORP stated that the intent is to pursue a parallel design/review with Ecology at approximately 80 percent design in an effort to incorporate design changes that need to be made and to arrive at completion of design on a parallel path of completion of the permit revision. ORP noted that the process is different than design/build, and there won't be anything built during that time frame. Ecology stated that it will defer a decision until after ORP has provided its more detailed briefing.

Ecology asked about the status of the wiped film evaporator (WFE). ORP responded that the WFE is a Recovery Act project to build a larger scale version of the WFE, but the WFE has not been in consideration for supplemental pretreatment and is not a part of these projects. ORP added that the demonstration testing of the full scale unit has been completed and was successful, but the baseline planning provides for secondary waste in the next couple years before the critical decision (CD) process would be initiated to get the WFE into the double-shell tank farm. The process could be expedited, but is dependent on funding. Ecology asked about where the WFE project would fall if there is a funding shortfall. ORP stated that in terms of supplemental

pretreatment activities, the WFE would stay above the baseline in terms of continuing the path forward. What needs to be resolved is the technology development funding for FY12. Significant money from the baseline has been devoted in the past couple years towards technology development (approx. 50 million), and if the current proposed President's budget is received it could still be supported. If there are significant cuts to the budget, it can't be supported.

M-62-40, System Plan

ORP reported that WRPS is in the process of resolving all the comments from the review of the 90 percent draft of System Plan 6 (SP6). The comment resolution period has been extended from August 9 to the end of August 2011. ORP is on track to transmit the final SP6 document to Ecology by October 31, 2011.

WTP Overall TPA and CD Summary and Milestone Status; M-62-01; M-62-49; D-00A-01, -06, -17

ORP reported that the WTP schedules remain consistent with the milestones. ORP provided a briefing last week to Ecology regarding the assumptions that are being used and an outline of the report associated with Milestone M-062-49. The modeling that supports the assumptions has been completed, and the report has been drafted and is undergoing review. The draft report supports the ability to make the certification required in the milestone. ORP noted that today's report is June 2011 data due to the way the monthly reporting periods run. The project had a positive cost and schedule performance for June. About 60 million dollars of total work was done in June, and about 90 million in July.

Significant Past Accomplishments - The first black cell piping module was successfully placed in planning area 7 on July 30, 2011. All of the fittings matched up, and there was only one piping that needed adjustment, which was more of a rigging issue than a design issue.

Issues - ORP stated that there were no significant issues with the overall project, with the exception of the potential for a funding shortfall for FY12.

WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19

ORP reported on the release on the hold for welding the heads onto the five non-Newtonian vessels. There are still holds in place precluding the placement of those vessels in the facility. Welding on one of the vessel heads will begin this week, followed by the next one. The remaining three probably won't be in that state of fabrication until FY12. The installation of the vessels is scheduled to start in January 2013. The large scale test is ongoing, and test data is being collected to support the finalization of the design.

Issues - ORP stated that the current issues don't put the TPA or CD milestones at risk, but they do pose some impact relative to critical path. The vessel fabrication of HLP-22 continues to be the primary critical path. ORP continues to manage the issue closely. ORP is also continuing to

work the vessel alteration permit and construction schedules for vessels FRP-02A/B/C/D and UFP-62-A/B/C.

WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21

ORP continues to monitor the procurement of materials to ensure timely receipt. The final roofing is in place on the annex part of the facility, and the construction around the filter caves continues to progress.

WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09

WTP Analytical Laboratory (LAB); D-00A-05

WTP Balance of Facilities (BOF); D-00A-12

The procurement of the offgas systems for LAW continues to be critical path. Ecology noted that the next CD milestone is LAB construction complete in 2012. ORP responded that the milestone will be met well before the due date. ORP is in the procurement process of selecting the vendor for the emergency turbine power in BOF. ORP reported on the organizational changes that have been made to the federal project manager (FPM) assignments. The changes align with the turnover to operations and startup and commissioning, and they are considered temporary assignments. There has been an FPM assigned to Headquarters to provide a primary interface for the project and the organization. The focus continues to be improving the performance and keep it above 1.0.



Agenda

August 18, 2011

Office of River Protection Quarterly Milestone Review Meeting

Ecology Offices, Conference Room 3A/B

Chairperson: Ecology Representative

Topic	Leads	Time
Statistics / Status	Woody Russell / Dan McDonald / Jeff Lyon	8:30
Single-Shell Tank Corrective Action; M-45, -50, -60	Bob Lober / Jeff Lyon	8:35
Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, <ul style="list-style-type: none"> - Tank in Appendix H Status - C-Farm Critical Path - Tanks with Individual Milestones - Double-Shell Tank Closure - 242-A Evaporator Status SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series	Chris Kemp / Dan Knight / Jeff Lyon	8:50
SST Integrity Assurance; M-45-91	Jeremy Johnson / Michelle Hendrickson	9:10
In Tank Characterization and Summary	Jeremy Johnson / Michael Barnes	9:15
Tank Operations Contract (TOC) Overview	Dan Knight / Jeff Lyon	9:20
Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald	9:35
Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald	9:40
System Plan; M-62-40	Ron Koll / Jeff Lyon / Dan McDonald	9:45
WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17	Delmar Noyes / Dan McDonald	10:00
WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19	Delmar Noyes / Dan McDonald	10:10
WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21	Delmar Noyes / Dan McDonald	10:20
WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09	Delmar Noyes / Dan McDonald	10:30
WTP Analytical Laboratory (LAB); D-00A-05		10:35
WTP Balance of Facilities (BOF); D-00A-12		10:40

Tri-Party Agreement Office of River Protection Milestone Review
August 18, 2011

<u>Name</u>	<u>Organization</u>
Terry Noland	MSA
Kathy Knox	Knox Court Reporting
JAMES J. LYNCH	DOE-ORP
Bob [unclear]	MSA
Joni Norton	DOE-ORP
Janice [unclear]	Ecy
Jan Kuentz	DOE-ORP
Cheryl Whalen	Ecy
Jan McDonald	Ecy
Steve Platt	ORP
Chris Kamp	ORP
Darisha Smith	ORP
DENNIS FAULK	EPA
Jeff Lyon	Ecology
John Price	Ecology
Jan Dowell	RL
Oliver L. Noy	ORP

FINAL

Office of River Protection

Tri-Party Agreement

Project Summary Report

August 18, 2011



Office of River Protection
Tri-Party Agreement Milestone Review Meeting
August 18, 2011

Page	Topic	Leads	Time
TPA 1 / CD 1	Statistics / Status	Woody Russell / Dan McDonald / Jeff Lyon	8:30
TPA 6	Single-Shell Tank Corrective Action; M-45, -50, -60	Bob Lober / Jeff Lyon	8:35
TPA 8 / CD 5	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, <ul style="list-style-type: none"> - Tank in Appendix H Status - C-Farm Critical Path - Tanks with Individual Milestones - Double-Shell Tank Closure - 242-A Evaporator Status SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series	Chris Kemp / Dan Knight / Jeff Lyon	8:50
TPA 18	SST Integrity Assurance; M-45-91	Jeremy Johnson / Michelle Hendrickson	9:10
TPA 21	In Tank Characterization and Summary	Jeremy Johnson / Michael Barnes	9:15
TPA 22	Tank Operations Contract (TOC) Overview	Dan Knight / Jeff Lyon	9:20
TPA 27	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald	9:35
TPA 28	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald	9:40
TPA 29	System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald	9:45
BREAK			
TPA 30 / CD 8	WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17	Delmar Noyes / Dan McDonald	10:00
TPA 31 / CD 10	WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19	Wahed Abdul / Dan McDonald	10:10
TPA 33 / CD 13	WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21	Jason Young / Dan McDonald	10:20
TPA 34 / CD 16	WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09	Gary Olsen / Dan McDonald	10:30
TPA 36 / CD 19	WTP Analytical Laboratory (LAB); D-00A-05		10:35
TPA 38 / CD 22	WTP Balance of Facilities (BOF); D-00A-12		10:40

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.	12/28/10	12/28/10										X
M-045-101	Submit to Ecology as an Agreement Primary Document a Report on all Catch Tanks and Pipelines Used for SST Operations	12/28/10	12/28/10										
M-045-91A	Submit an Agreement Change Package with Interim Milestones to Implement the Panel's Recommendations M-045-91	12/27/10	09/27/10										
M-045-92D	Complete Negotiations to Schedule Remaining 4 Additional Barriers	12/31/10	12/07/10										
M-045-92E	Meet Yearly on Performance of Barrier	12/31/10	12/07/10										

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	12/28/10										
M-062-01V	Submit Semi-Annual Project Compliance Report	01/31/11	01/27/11										
D-001-00-R47	Quarterly Report	01/31/11	01/28/11										
M-045-91G-T05	Provide Report of the Visual Inspections of 12 SSTs in Table 3.3	03/31/11	03/11/11										
M-045-92K	Barrier 1 Design/Monitoring Approval from Ecology	06/30/11	05/19/11										
M-036-01A	Submit to EPA & Ecology Lifecycle, Scope, Schedule & Cost for Hanford Site (RL is DOE Lead)	07/25/11	07/21/11										

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-045-56G	Ecology and DOE Agree to Meet, at a Minimum, Yearly (by July)	07/31/11	07/13/11										
M-062-01W	Submit Semi-Annual Project Compliance Report	07/31/11	07/28/11										
M-045-91C	Implement DQO Process, Test Plan to Evaluate the Chemistries	09/30/11		X									
M-045-91G-T01	Provide AOR Final Doc. For SSTs on 530,000 Gallon Tanks	09/30/11		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									

Fiscal Year 2012 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-062-30	Complete Negotiations Establishing Milestones for Near-Term Actions	10/25/11								X 07/18/11			
M-062-40B	Submit System Plan	10/31/11		X									
M-062-49	Submit Report to Ecology Demonstrating WTP Design Meets Vit. Criteria	10/31/11		X									
M-045-91B	Submit a Sampling and Analysis Plan to Ecology	12/30/11		X									
M-045-92F	Meet Yearly on Performance of Barrier	12/31/11		X									
M-045-91G-T02	Provide AOR Final Doc. For SSTs on 750,000 Gallon Tanks	01/31/12		X									
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/12		X									
M-062-01X	Submit Semi-Annual Project Compliance Report	01/31/12		X									
M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	03/31/12	06/27/11										

Fiscal Year 2012 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-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs per criteria in M-045-91G-T05	03/31/12		X									
M-045-92M	Barrier 2 Design/Monitoring Approval from Ecology	06/30/12	05/19/11										
M-047-06	Complete Negotiation of No More Than 2 Interim Milestones	06/30/12		X									
M-062-01Y	Submit Semi-Annual Project Compliance Report	07/31/12		X									
M-045-91G-T03	Provide AOR Final Doc for SSTs on 1,000,000 Gallon Tanks	09/30/12		X									

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 work plan. The last meeting was held July 29, 2011. Meeting minutes for the June 23, 2011 sessions have been signed by the parties and have been entered into the TPA administrative record.

M-045-56G, Complete Implementation of Agreed to Interim Measures, Due: 07/31/11, Status: On Schedule. Meeting for 2011 was held on July 13, 2011. Draft meeting minutes have been developed, and will be signed by the parties and entered into the TPA administrative record.

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

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-045-92K, Barrier 1 Design/Monitoring Approval from Ecology, Due: 6/30/2011, Status: Complete.

M-045-92M, Barrier 2 Design/Monitoring Approval from Ecology, Due: 6/30/2012, Status: Complete. If negotiated, complete installation of 4 additional interim barriers at a rate of one per year, with the first being completed by October 31, 2012. Prior to beginning construction and at least sixteen months before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier. The barrier design and monitoring plans will

be consistent with those developed for WMA T and TY unless DOE and Ecology agree otherwise. Ecology will authorize construction upon approval of these submittals. Ecology letter, 11-NWP-044, dated May 19, 2011, approved the actions associated with these milestones. ORP sent letter 11-TF-064 to ECY on June 15, 2011 to formally close these milestones.

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

Significant Past Accomplishments:

1. T-Farm interim barrier monitoring continues.
2. TY Interim Barrier monitoring continues.
3. Continued direct push characterization in C Farm at various planned locations and completed the angled direct push campaign beneath tank C-101
4. 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.
5. Continued remediation technology assessments in support of a Corrective Measures Study for WMA C.
6. Completed analysis of 3-D Surface Geophysical Exploration (SGE) data set for UPR-200-E-82 in C farm.
7. Electrical resistivity data was collected from surface and deep electrodes in eastern BY farm and is being analyzed.
8. Continued direct push campaign in S-farm in support of a future interim barrier.

Significant Planned Actions in the Next Six Months:

1. Continue direct push campaign in C Farm.
2. Continue direct push campaign in S-Farm in support of a future interim barrier.
3. Complete 3-D SGE data analysis in eastern BY farm.
4. Complete resistivity data analysis for 3-D SGE characterization of UPR-82 in C Farm.
5. Continue remediation technology assessments in support of a Corrective Measures Study for WMA C.
6. Perform additional updates to WMA C RFI/CMS workplan based on requested changes from Ecology.
7. Initiate construction of the evapotranspiration basin for the interim surface barriers for SX farm.

Issues:

ORP is in internal discussions in consideration of 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: In Dispute. Transmitted from ORP to ECY via letter 10-TPD-176 on 12/28/10. Ecology issued a Notice of Violation on May 24, 2011, via letter 11-NWP-038, indicating that the deliverable did not fulfill the milestone. The ORP initiated dispute resolution on June 1, 2011, via letter 11-TF-065. ORP also requested an extension, to August 31, 2011, of the comment resolution period, via letter 11-TF-067.

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. Transmitted from ORP to Ecology via letter 10-TPD-176 on 12/28/10. Comments were transmitted from Ecology to ORP on May 27, 2011, via letter 11-NWP-048. ORP requested an extension, to August 31, 2011, of the comment resolution period, via letter 11-TF-067.

M-045-80, Complete those portions of C-200 Closure Demonstration Plan, Due: 1/31/2011 Status: Complete. Four primary documents transmitted from ORP to Ecology via letter 10-TPD-166 on 12/28/10. Comments on three of the four documents were transmitted from Ecology to ORP on May 27, 2011, via letters 11-NWP-045, 11-NWP-047, and 11-NWP-051. ORP requested an extension, to September 25, 2011, of the comment resolution period for those three documents via letter 11-TF-067. Ecology requested additional time to review *Radioactive Waste Determination Process Plan for Waste Management Area C Tank Waste Residual* via 11-NWP-049.

M-045-81, Implement & complete all remaining activities in C-200 Closure Demonstration 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 was formally transmitted from ORP to ECY via letter 10-TPD-166 on 12/28/10. Comments were transmitted from Ecology to ORP on June 1, 2011, via letter 11-NWP-052. ORP requested an extension, to September 25, 2011, of the comment resolution period for those three documents via letter 11-TF-067.

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:

- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

- See discussions above and related discussions in Consent Decree report.
- Work to discuss and resolve issues and comments associated with deliverables for M-45-100, 101, 80, and 81.

Issues:

- M-045-100 Notice of Violation (NOV): Ecology has given ORP an NOV (letter 11-NWP-038, dated 5/24/11) for a determination that the primary document for the Single-Shell Tank System Catch Tank Assumed Leak Response Plan (RPP-RPT-48438, Revision 0) does not fulfill the intent of milestone M-045-100. ORP initiated dispute resolution on June 1, 2011, via letter 11-TF-065.
- Tank Farm Soil Cleanup: Unsigned draft Tentative Agreement and unsigned draft Change Packages C-11-01 (for WMA C soil to be addressed as RCRA/CERCLA Past Practice Unit) and M-45-11-02 (title changes to M-045-61 and -62 to allow CAD/ROD process) were presented to Ecology on 03/29/11. Ecology preference is to address soils through a 3116 and RCRA process.
- 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. This should be included in the critical path as well.
- 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 is in the Winter of 2011/2012.
- USDOE is delaying the final numeric modeling supporting the WMA C performance assessment to align the timing with completion of the Tank Closure and Waste Management EIS. Impacts of this delay are being incorporated into the critical path schedules.

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

Tank 241-C-106

Significant Past Accomplishments:

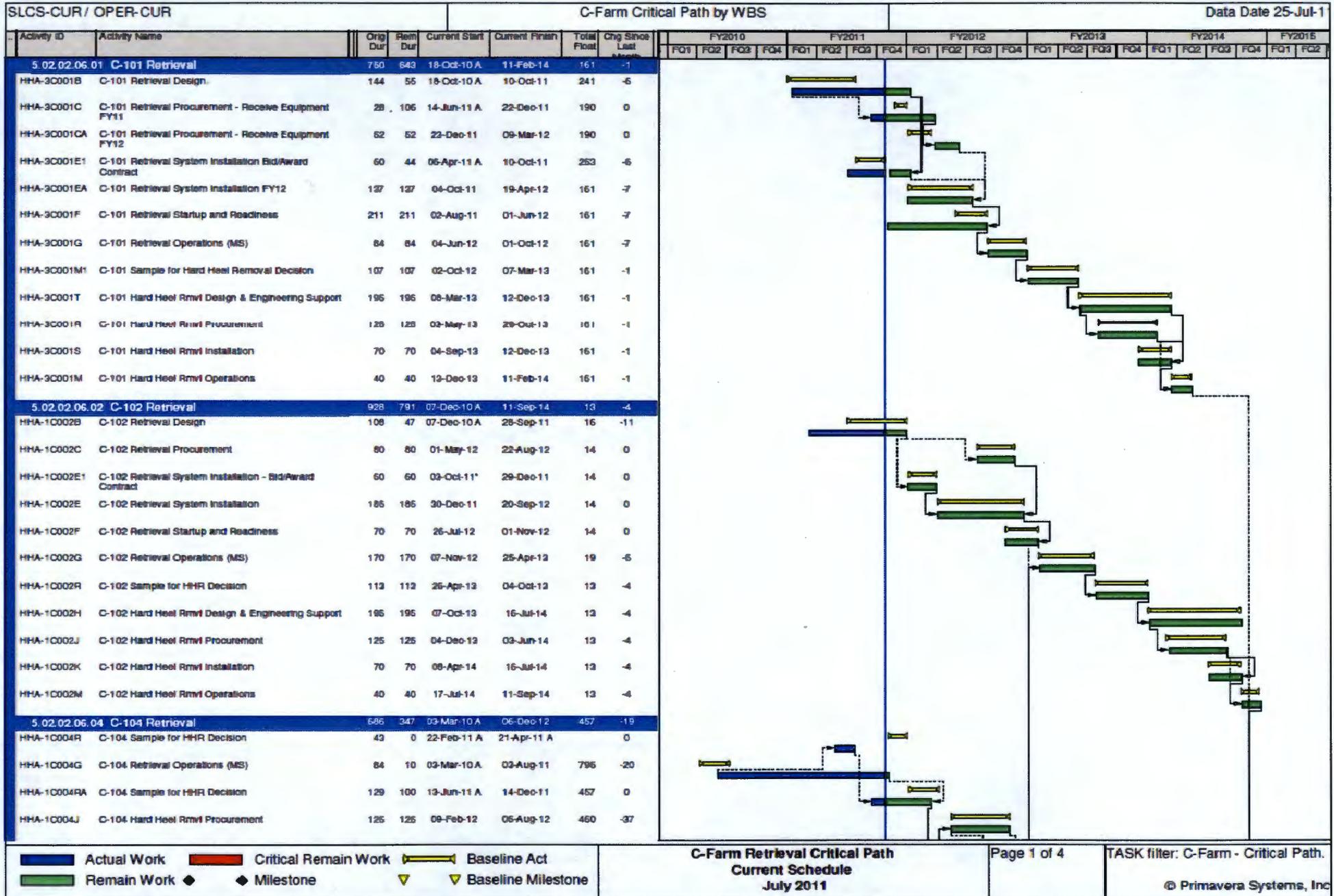
None

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.)

Issues:

None



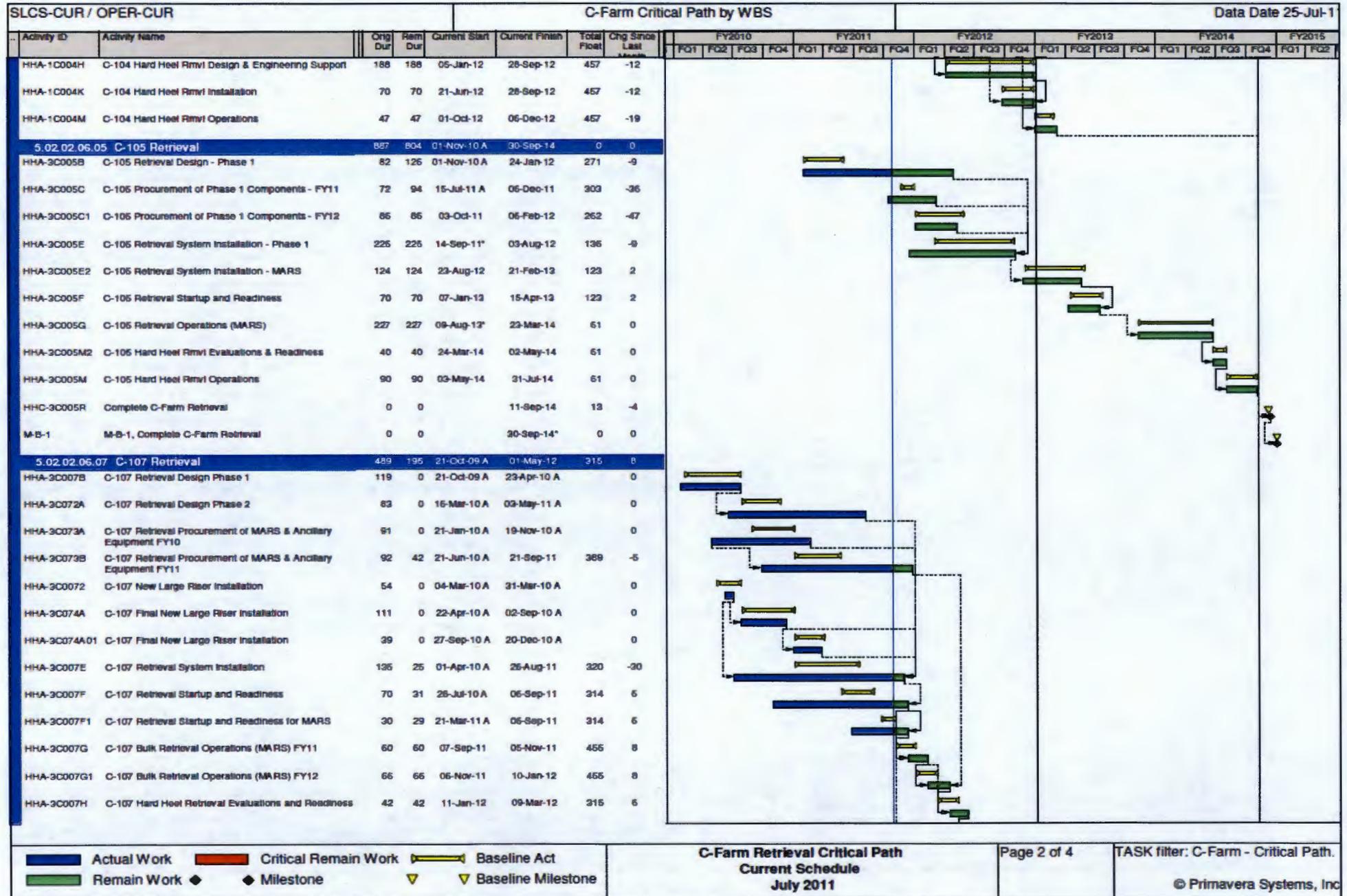
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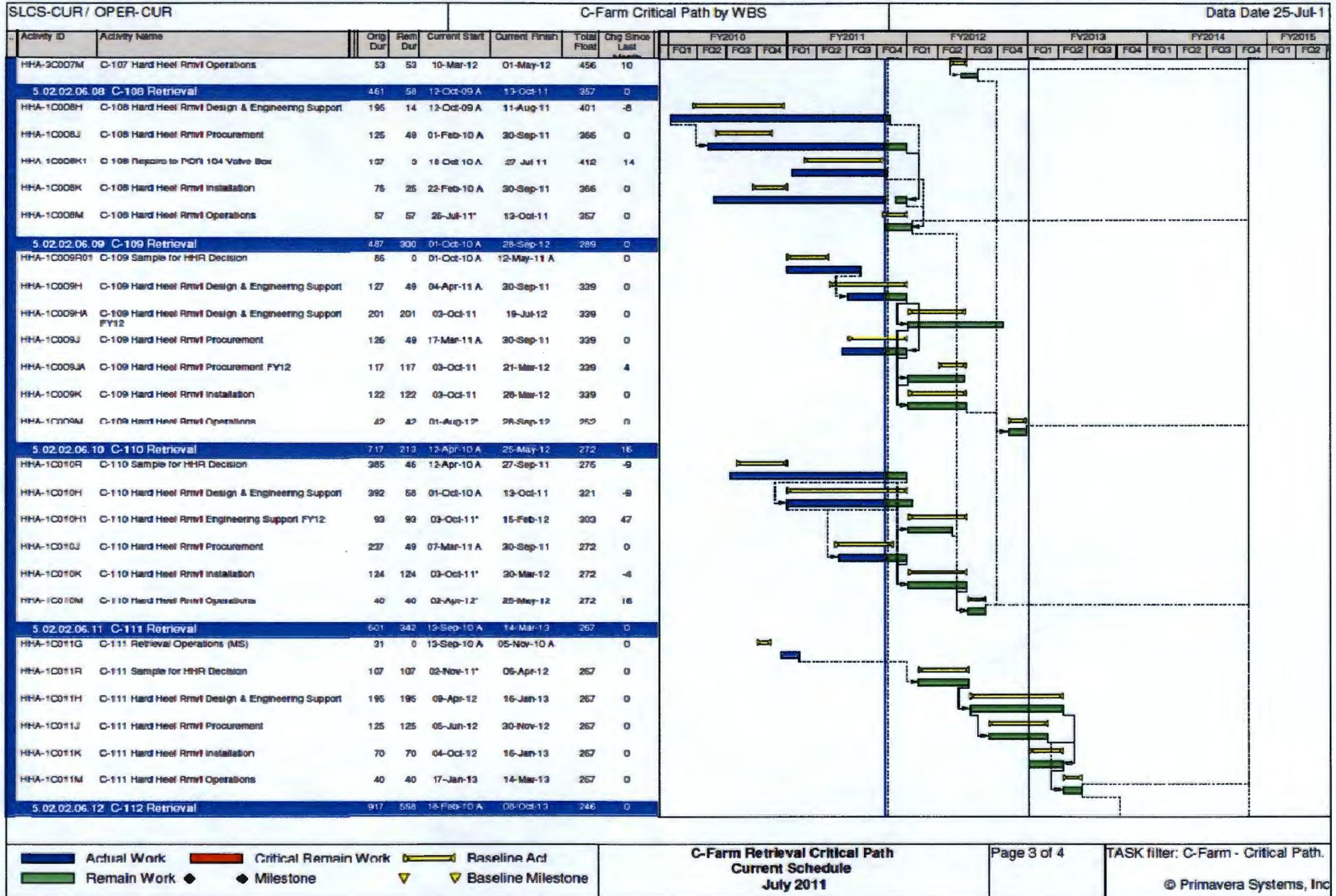
C-Farm Retrieval Critical Path
Current Schedule
July 2011

Page 1 of 4

TASK filter: C-Farm - Critical Path.

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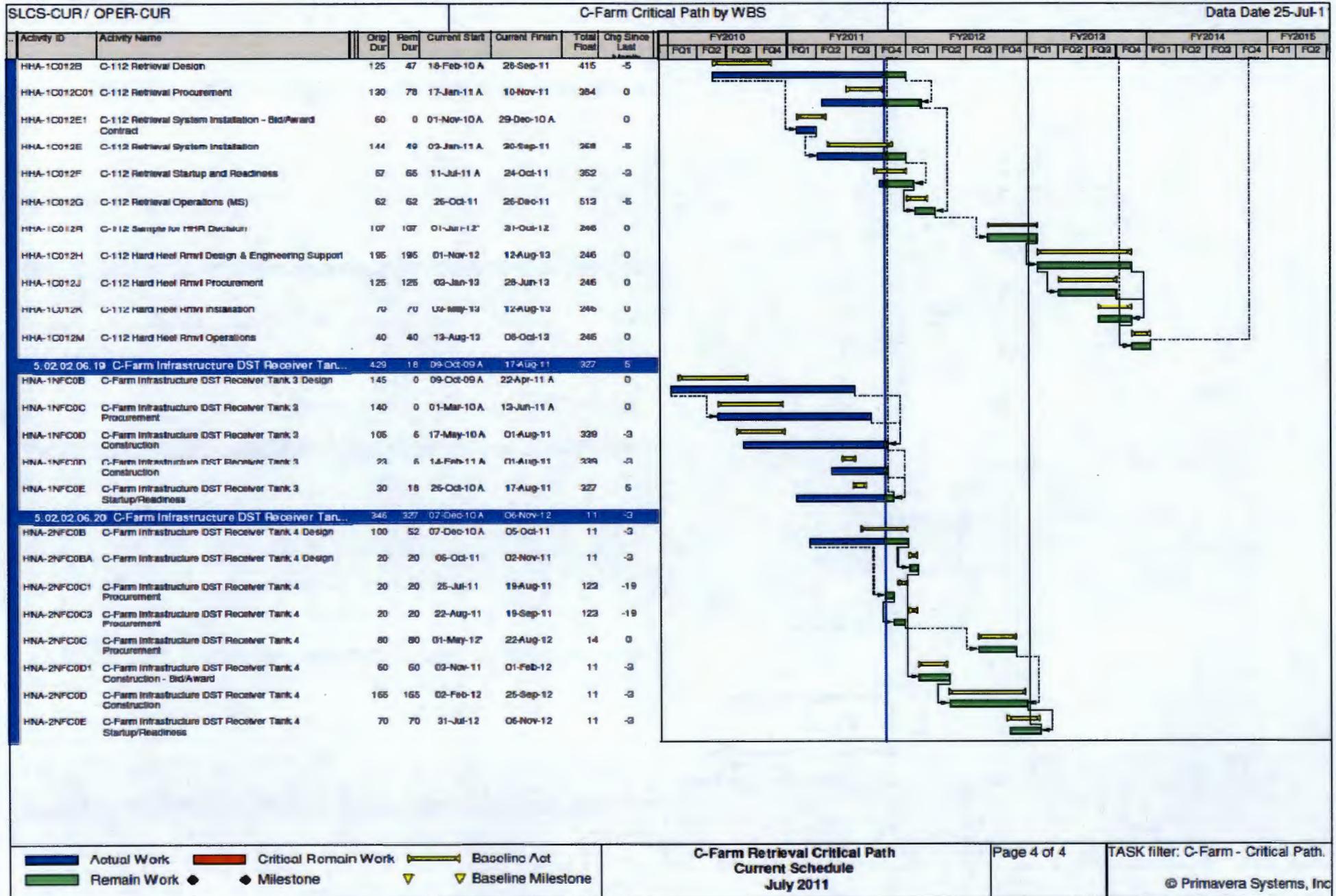


■ Actual Work ■ Critical Remain Work ▬ Baseline Act
■ Remain Work ◆ Milestone ▼ Baseline Milestone

C-Farm Retrieval Critical Path
Current Schedule
July 2011

Page 3 of 4

TASK filter: C-Farm - Critical Path.
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Tank Retrievals with Individual Milestones

Tank 241-A-103

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: 9/30/22 Status: On schedule. Change package M-45-11-04 switched tank S-102 to A-103 with a completion date of 09/30/2022 for M-045-15.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: 9/30/22, Status: On schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: 9/30/22, Status: On Schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

Significant Past Accomplishments:

- Change Package M-45-11-04 was signed by ORP and Ecology on 04/19/11.

Significant Planned Activities in the Next Six Months:

None

Issues:

None

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:

No campaigns are anticipated in CY2011 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-045-91G-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: Complete 03/11/11 (Letter 11-TF-039). Ecology completed review and sent an approval letter stating ORP had met this milestone on 5/12/2011.

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-045-91B, 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-045-91F-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-045-91G-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: Complete 06/27/11. ORP letter 11-TPD-043 transmitted the test plan to Ecology on June 27, 2011.

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-045-91F-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: 7/31/2013, Status: On Schedule, date changed with M-45-11-05 Change Control Form.

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:

- Approved M-045-91D on July 29, 2011 by Ecology letter 11-NWP-077.
- Specimens for the M-045-91D milestone are ready for testing at CTL in Skokie, Illinois.
- Draft of Test Plan required by M-045-91C provided to Ecology on 7/12/11 for informal review and comment. Ecology's informal review completed. DQO released, RPP-49674.
- In support of M-045-91G-T02, development of the AOR is in progress.
- M-045-91F-T04: The examination of 241-TY and 241-BY farms continues. Two tank reports for the 241-TY farm have been drafted for discussion with Ecology. Background information for the examination of the 241-BY farm has been collected.

Significant Planned Actions in the Next Six Months:

- Complete milestone 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.
- Complete M-045-91D specimen testing at CTL in Skokie, Illinois.
- Complete milestone M-045-91F-T03, plan to provide Ecology, Ionic Conductivity Feasibility Report in September 2011. Due: 5/31/2013.
- M-045-91F-T04: Leak assessments are ongoing with meetings every other week through 2012.
- Complete milestone 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), planned submittal to Ecology in August 2011. Due: 9/30/2011.
- Complete milestone 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), planned submittal to Ecology in November 2011. Due: 1/31/2012.
- Complete the demonstration document of the ability to obtain concrete core samples to support M-045-91B-T01. Complete milestone M-045-91F-T01 leak assessment rate for Hanford and Savannah River Site tanks.
- Complete 241-SX leak assessment report for the M-045-91F-T04 milestone.

Issues:

None

In Tank Characterization and Summary

For the period from July 1 – July 31, 2011:

Accomplishments:

- Completed revision 2 of RPP-RPT-46618, *Hanford Waste Mineralogy Reference Report* on July 19.
- Completed revision 0, of SVF 2319, *USOF FY2011 PAC Reevaluation* on July 21
- Completed revision 1 of data package RPP-RPT-46180, *Final Report for Tank 241-AN-101 Mid-Retrieval Grab Samples in Support of Corrosion Mitigation During Tank 241-C-104 Retrieval* on July 19, 2011.
- Completed revision 0 of data package RPP-RPT-50027, *Final Report for Tank 241-AP-105 Liquid Grab Samples Collected in Support of the Corrosion Mitigation and Compatibility Program* on July 25.
- Completed revision 0 of TSAP RPP-PLAN-49885, *Tank Sampling and Analysis Plan for 241-C-108 Hard Heel Dissolution* on July 11.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-C-108 *hard heel dissolution samples scheduled for August 2011.*
 - *Tank 204-AR-TK-1 compatibility samples scheduled for August 2011.*
 - Tank 241-AN-106 grab samples for chemistry control taken at 50% of the retrieval of tank 241-C-107 scheduled for October 2011.
 - Tank 241-C-104 off riser sampling scheduled for November 2011.
 - Tank 241-AW-106 evaporator samples scheduled for November 2011.
 - Tank 241-C-108 off riser sampling scheduled for November 2011.
 - Tank 241-AN-101 grab samples for chemistry control taken at 50% of the retrieval of tank 241-C-112 scheduled for November 2011.
- BBI Updates
 - Seven tank updates are planned for FY11 Quarter 4.
 - Updates for three of the tanks have been started.
- Data Quality Objectives (DQO)
 - Complete revision 3 of the PCB Management DQO in September 2011.

Issues:

None

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

Project Performance

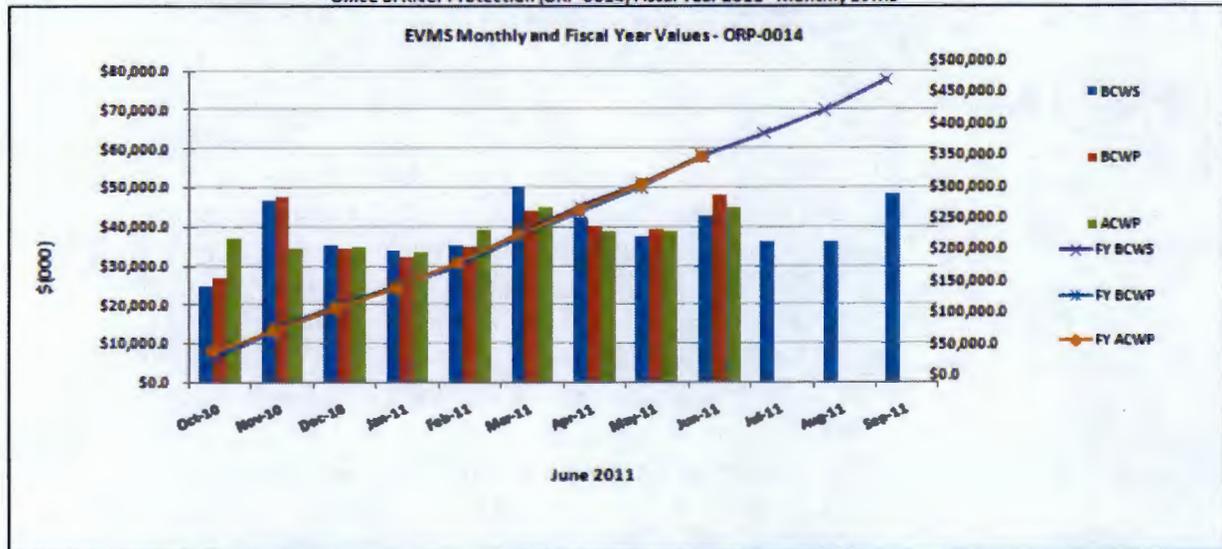
The earned value analysis is a comparison of cost and schedule contract-to-date performance. The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance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

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	42,816.6	48,027.1	44,871.5	5,210.5	3,155.7	1.12	1.07			
FYTD	348,808.3	347,455.3	346,692.1	(1,353.0)	763.2	1.00	1.00	469,595.0	474,127.7	(4,532.7)
CTD	1,108,864.0	1,100,689.0	1,038,815.0	(8,175.0)	61,874.0	0.99	1.06	2,108,247.8	2,046,227.7	62,020.1

Red shaded cells indicates a SPI/CPI less than 0.90
 Green shaded cells indicate a SPI/CPI between 0.90 and 0.99
 Blue shaded cells indicate a SPI/CPI greater than or equal to 1.0.

Current Month Significant Variance Contributors

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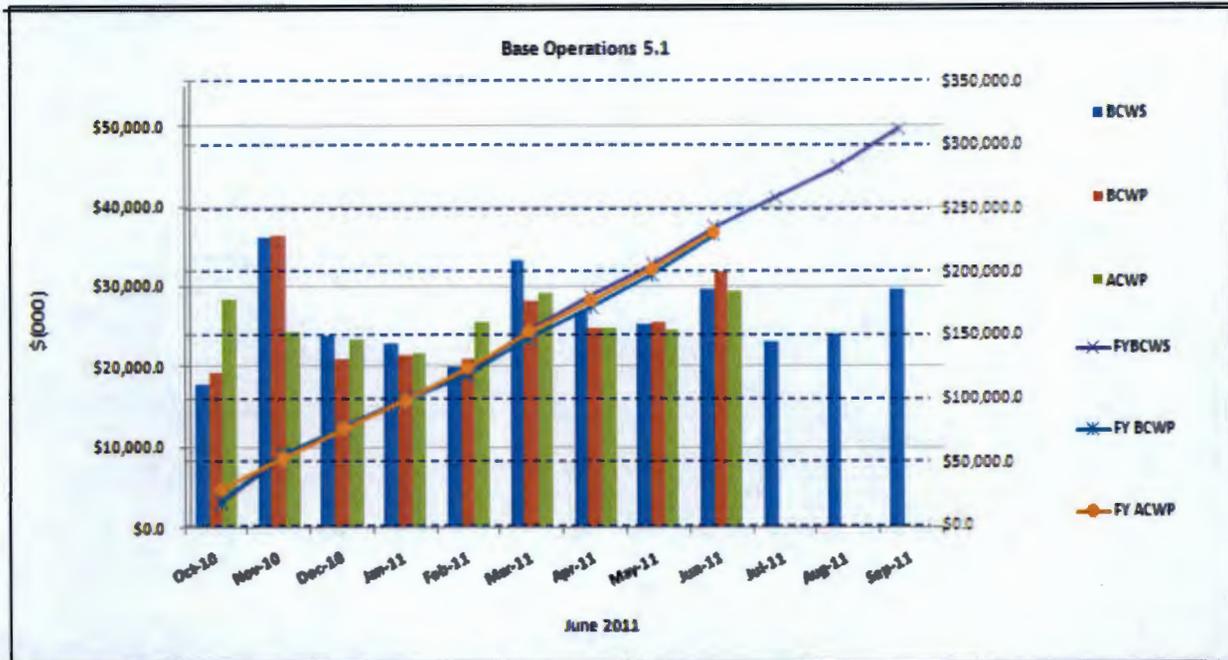


Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$24,918.8	\$26,782.0	\$37,083.6	1.07	0.72	\$24,918.8	\$26,782.0	\$37,083.6	1.07	0.72
Nov-10	\$46,528.0	\$47,510.9	\$34,301.0	1.02	1.39	\$71,446.8	\$74,292.9	\$71,384.5	1.04	1.04
Dec-10	\$35,469.5	\$34,558.3	\$35,056.5	0.97	0.99	\$106,916.3	\$108,851.1	\$106,441.0	1.02	1.02
Jan-11	\$33,862.5	\$32,115.2	\$33,376.8	0.95	0.96	\$140,778.8	\$140,966.4	\$139,817.8	1.00	1.01
Feb-11	\$35,157.1	\$34,800.5	\$39,288.6	0.99	0.89	\$175,935.9	\$175,766.8	\$179,106.4	1.00	0.98
Mar-11	\$50,219.3	\$44,202.5	\$45,088.7	0.88	0.98	\$226,155.2	\$219,969.3	\$224,205.1	0.97	0.98
Apr-11	\$42,344.0	\$40,218.8	\$38,772.0	0.95	1.04	\$268,499.2	\$260,188.1	\$262,977.1	0.97	0.99
May-11	\$37,492.6	\$39,240.8	\$38,843.5	1.05	1.01	\$305,991.8	\$299,428.1	\$301,820.6	0.98	0.99
Jun-11	\$42,816.6	\$48,027.1	\$44,871.5	1.12	1.07	\$348,808.4	\$347,455.2	\$346,692.1	1.00	1.00
Jul-11	\$35,958.2					\$384,766.6				
Aug-11	\$36,269.3					\$421,035.9				
Sep-11	\$48,559.2					\$469,595.1				

CTD	\$1,108,864.0	\$1,100,689.0	\$1,038,815.0	0.99	1.06
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- Effective through June 30, 2011 – The overall project performance is going very well; SPI is slightly under 1.00 with a CPI of 1.06; thus – ORP 0014 is on schedule and under budget.

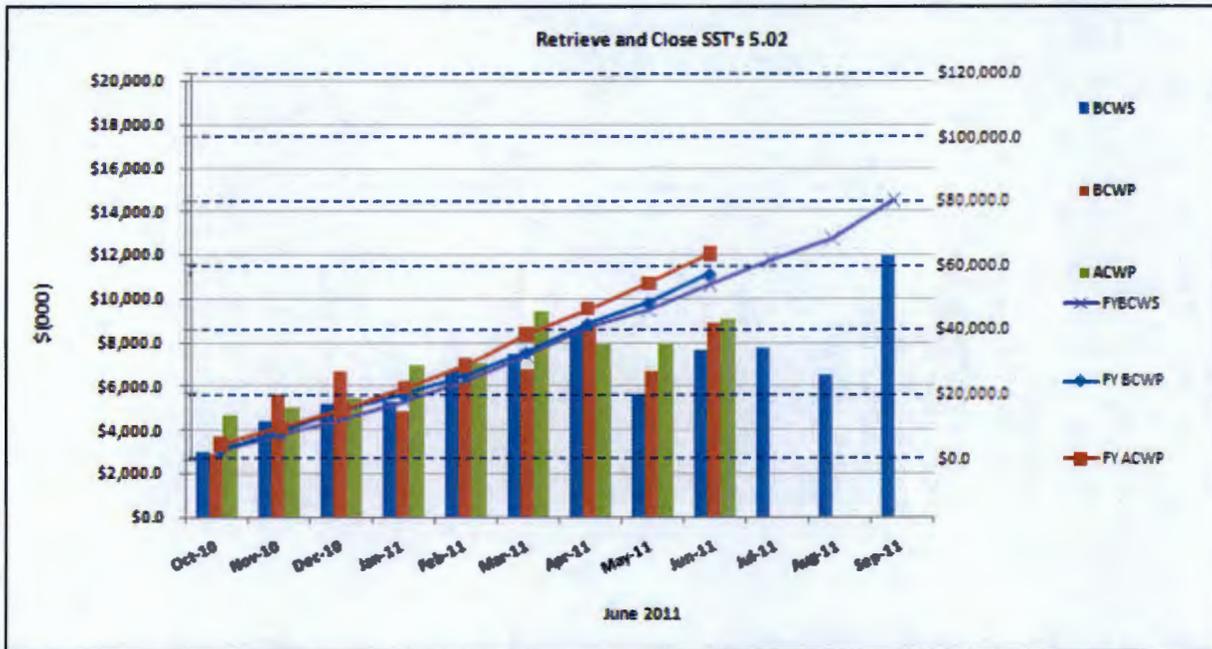
Office of River Protection (ORP-0014) Fiscal Year 2011 - Monthly EVMS



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	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	\$53,920.3	\$55,651.4	\$53,001.8	1.03	1.05
Dec-10	\$23,775.6	\$20,995.7	\$23,448.8	0.88	0.90	\$77,695.9	\$76,647.1	\$76,450.6	0.99	1.00
Jan-11	\$22,876.6	\$21,370.0	\$21,705.1	0.93	0.98	\$100,572.5	\$98,017.1	\$98,155.7	0.97	1.00
Feb-11	\$20,031.0	\$21,023.0	\$25,607.6	1.05	0.82	\$120,603.5	\$119,040.1	\$123,763.3	0.99	0.96
Mar-11	\$33,329.2	\$28,292.6	\$29,059.6	0.85	0.97	\$153,932.7	\$147,332.7	\$152,822.9	0.96	0.96
Apr-11	\$26,817.9	\$24,728.9	\$24,769.1	0.92	1.00	\$180,750.6	\$172,061.6	\$177,592.0	0.95	0.97
May-11	\$25,422.8	\$25,669.7	\$24,548.6	1.01	1.05	\$206,173.4	\$197,731.3	\$202,140.6	0.96	0.98
Jun-11	\$29,540.0	\$31,789.1	\$29,306.5	1.08	1.08	\$235,713.4	\$229,520.4	\$231,447.1	0.97	0.99
Jul-11	\$23,168.0					\$258,881.4				
Aug-11	\$24,147.8					\$283,029.2				
Sep-11	\$29,554.9					\$312,584.1				
CTD	\$748,697.6	\$743,853.7	\$715,573.7	0.99	1.04					

- **Contract Management and Compliance, \$556k:** CM (SV) ahead of schedule on the contract reconciliation phases 2 change proposals. Three of the sub-CLIN proposals were delivered ahead of schedule. This work was previously unbudgeted, but BCR RPP-11-180, "Contract Reconciliation Phase 2," was implemented in June 2011.
- **DST Integrity Project, \$390k:** CM (SV) is driven by two root causes: (1) the schedule recovery on DST encasement pressure checks of \$314k for the AZ-02A pit inspections and pressure checks on two lines in the AZ-01A pit (previously impacted by removal of the jumpers in the pits to support valve funnel work); and (2) the nondestructive examination equipment storage and support is ahead of schedule by \$110k.
- **Information Resource Management, \$227k:** the CM (CV) is driven by two root causes: (1) adjustment of over-accruals and deferral of computer purchases (level-of-effort account); and (2) budget cost work performed was less than planned for root cause analysis on legacy and non-legacy software quality assurance.

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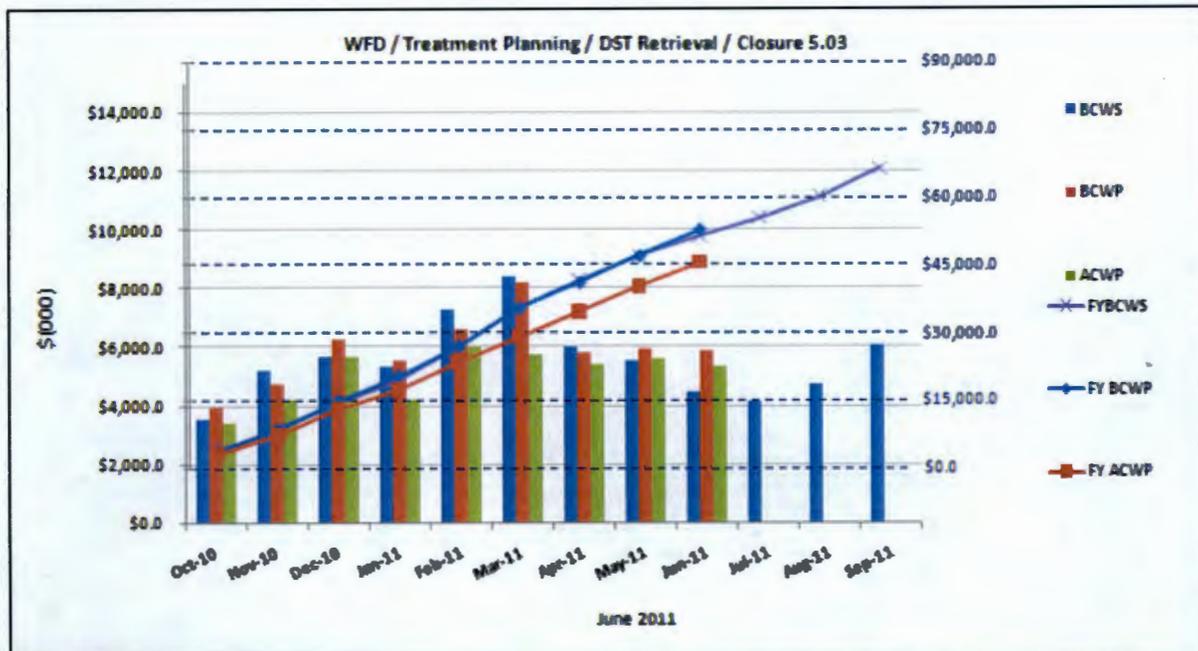


Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$2,991.6	\$2,932.6	\$4,707.6	0.98	0.62	\$2,991.6	\$2,932.6	\$4,707.6	0.98	0.62
Nov-10	\$4,412.7	\$5,622.7	\$5,006.7	1.27	1.12	\$7,404.3	\$8,555.3	\$9,714.3	1.16	0.88
Dec-10	\$5,209.7	\$6,682.7	\$5,494.0	1.28	1.22	\$12,614.0	\$15,238.0	\$15,208.3	1.21	1.00
Jan-11	\$5,310.0	\$4,820.2	\$6,975.6	0.91	0.69	\$17,924.0	\$20,058.2	\$22,183.9	1.12	0.90
Feb-11	\$6,670.0	\$6,253.2	\$7,006.6	0.94	0.89	\$24,594.0	\$26,311.4	\$29,190.5	1.07	0.90
Mar-11	\$7,513.3	\$6,825.3	\$9,447.6	0.91	0.72	\$32,107.3	\$33,136.7	\$38,638.1	1.03	0.86
Apr-11	\$8,613.5	\$8,766.1	\$7,914.2	1.02	1.11	\$40,720.8	\$41,902.8	\$46,552.3	1.03	0.90
May-11	\$5,638.9	\$6,687.7	\$7,937.1	1.19	0.84	\$46,359.7	\$48,590.5	\$54,489.4	1.05	0.89
Jun-11	\$7,638.7	\$8,905.0	\$9,080.1	1.17	0.98	\$53,998.4	\$57,495.5	\$63,569.5	1.06	0.90
Jul-11	\$7,729.6					\$61,728.0				
Aug-11	\$6,540.3					\$68,268.3				
Sep-11	\$11,951.1					\$80,219.4				

CTD	\$215,268.5	\$211,848.8	\$206,098.7	0.98	1.03
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- **C-107 Retrieval, \$538k:** CM (SV) schedule recovery on the SST C-107 retrieval system procurement of \$134k, installation of \$282k, and exhauster refurbishment of \$203k; includes MARS installation (electrical) and ventilation system/exhauster installation (stack erection and duct installation/tie-in).
- **Retrieval Technology Development, \$418k:** CM (SV) is driven by two root causes: (1) a CM point adjustment to the baseline BCWS resulting from funding constraint-driven implementation of BCR RPP-11-177, "Defer Slurry Pump Development." This BCR resulted in a negative CM BCWS of (\$338k) and an SV of \$338k; and (2) the technology development roadmap revision is ahead of schedule.
- **Interim Barrier, \$253k:** CM (CV) the labor efficiencies on the setup of electrodes for SGE characterization of \$178k (work completed faster and with fewer labor resources than planned); and subcontract costs for electrode setup were understated.

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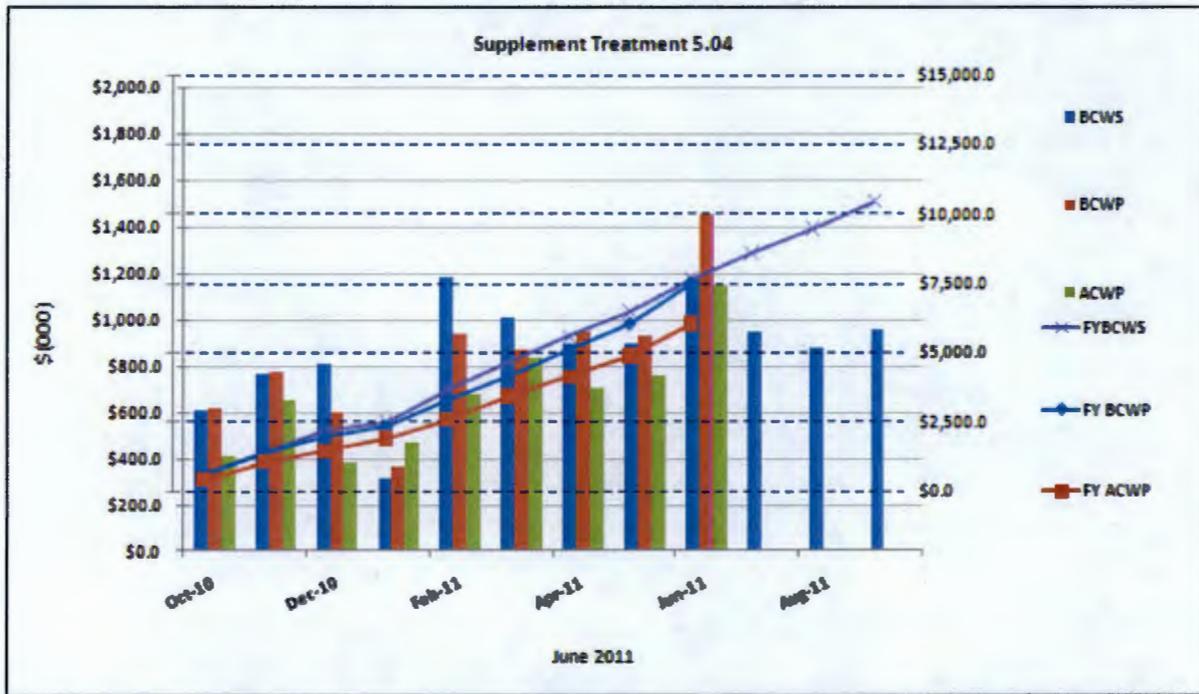


Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FYBCWP	FY ACWP	FY SPI	FY CPI
Oct-10	\$3,540.0	\$3,944.3	\$3,413.8	1.11	1.16	\$3,540.0	\$3,944.3	\$3,413.8	1.11	1.16
Nov-10	\$5,203.6	\$4,748.8	\$4,184.7	0.91	1.13	\$8,743.6	\$8,693.1	\$7,598.5	0.99	1.14
Dec-10	\$5,677.1	\$6,277.7	\$5,689.4	1.11	1.10	\$14,420.7	\$14,970.8	\$13,287.9	1.04	1.13
Jan-11	\$5,366.1	\$5,557.1	\$4,225.6	1.04	1.32	\$19,786.8	\$20,527.9	\$17,513.5	1.04	1.17
Feb-11	\$7,269.3	\$6,582.6	\$5,993.5	0.91	1.10	\$27,056.1	\$27,110.5	\$23,507.0	1.00	1.15
Mar-11	\$8,362.9	\$8,213.8	\$5,757.0	0.98	1.43	\$35,419.0	\$35,324.3	\$29,264.0	1.00	1.21
Apr-11	\$6,011.0	\$5,778.2	\$5,384.6	0.96	1.07	\$41,430.0	\$41,102.5	\$34,648.6	0.99	1.19
May-11	\$5,533.4	\$5,946.3	\$5,595.9	1.07	1.06	\$46,963.4	\$47,048.8	\$40,244.5	1.00	1.17
Jun-11	\$4,456.7	\$5,875.8	\$5,335.3	1.32	1.10	\$51,420.1	\$52,924.6	\$45,579.8	1.03	1.16
Jul-11	\$4,110.8					\$55,530.9				
Aug-11	\$4,703.9					\$60,234.8				
Sep-11	\$6,091.6					\$66,326.4				

CTD	\$134,330.3	\$134,580.0	\$108,286.0	1.00	1.24
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- **RA-Secondary Waste Form Testing, \$1,643k:** CM (SV) contractors completing additional DM-10 testing in parallel, labor efficiencies associated with Ceramicrete and FBSR test plan development, and completing the waste acceptance test plan using prior knowledge from previous and similar plans.
- **RA-SY Transfer Line Upgrades, \$288k:** CM (CV) direct labor and subcontract cost efficiencies in construction are due to consolidation of transfer line and pit work resulting in reduced durations and need for project support and engineering oversight.
- **RA-Electrical Upgrades, (\$353k):** CM (CV) contract for the SY Farm Power Operations Center, and unplanned additional labor costs to SST upgrades completed in U/B/BX/BY Farms (**\$75k**).

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Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	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	\$1,393.0	\$1,069.9	1.01	1.30
Dec-10	\$807.0	\$602.2	\$384.2	0.75	1.57	\$2,185.6	\$1,995.2	\$1,454.1	0.91	1.37
Jan-11	\$309.8	\$368.0	\$470.6	1.19	0.78	\$2,495.4	\$2,363.2	\$1,924.7	0.95	1.23
Feb-11	\$1,186.8	\$941.8	\$680.9	0.79	1.38	\$3,682.2	\$3,305.0	\$2,605.6	0.90	1.27
Mar-11	\$1,013.9	\$870.9	\$834.5	0.86	1.04	\$4,696.1	\$4,175.9	\$3,440.1	0.89	1.21
Apr-11	\$901.6	\$945.5	\$704.0	1.05	1.34	\$5,597.7	\$5,121.4	\$4,144.1	0.91	1.24
May-11	\$897.5	\$936.3	\$761.9	1.04	1.23	\$6,495.2	\$6,057.7	\$4,906.0	0.93	1.23
Jun-11	\$1,180.7	\$1,457.2	\$1,149.5	1.23	1.27	\$7,675.9	\$7,514.9	\$6,055.5	0.98	1.24
Jul-11	\$949.9					\$8,625.8				
Aug-11	\$877.3					\$9,503.1				
Sep-11	\$961.7					\$10,464.8				

CTD	\$10,567.6	\$10,406.4	\$8,856.7	0.98	1.17
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- **WTP Pre-Treatment Alternative Studies, \$581k:** CM (CV) efficiencies realized from self-performing WTP technology development baseline studies, reducing subcontractor cost and utilizing technology demonstrations from SRNL, requiring less labor.

Acquisition of New Facilities

M-090-11, Complete the Negotiation of No More Than Two Canister Storage Facility Construction Interim Milestones, Due: 12/31/12, Status: On Schedule. Negotiations are not yet underway.

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-047-00, 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

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

The down-selection process to evaluate the alternatives for both the Interim Hanford Storage Facility and Secondary Waste Treatment will be held the last week of August 2011.

Issues:

None

Supplemental Treatment and Part B Permit Applications

M-062-30, Complete negotiations establishing milestones for near term actions, Due: 10/25/11, Status: Deleted. Change Package M-62-11-01 deleted this milestone and elements required by this milestone may now be considered during the M-62-40 or M-62-45 negotiations. M-62-11-01 notes that no further obligations remain to be performed under M-062-30.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015, Status: On schedule. Negotiations are not yet underway. See "Issues" below for further discussion.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, 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:

- ORP and Ecology signed change package M-62-11-01, deleting milestone M-62-30.

Significant Planned Actions in the Next Six Months:

None

Issues:

None

System Plan

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:

The 90% draft of SP6 review was completed on July 14, 2011 by ORP, WRPS and Ecology. WRPS provided proposed dispositions to an estimate of 525 comments generated by approximately 30 reviewers during the review of SP6 90% in July. The comment resolution and close out period was extended to August 9, 2011.

Significant Planned Actions in the Next Six Months:

ORP is schedule for a three week contractual review of the System Plan Revision 6 document. The finalized document will be approved by ORP, released by WRPS, and transmitted from ORP to Ecology in time to meet the Oct. 31, 2011 milestone due date.

Issues:

None

Hanford Waste Treatment and Immobilization Plant (WTP) Project

M-062-01W, Submit Semi-Annual Project Compliance Report, Due: CD - 7/28/2011 – Complete, TPA – 7/27/2011, Complete.

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: BNI was provided direction to prepare this report on March 30, 2011, document in preparation, briefing to ecology of approach and outline scheduled for August 11, 2011.

There are about 3,400 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 1,200 craft, 500 non-manual, and about 180 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through June 2011 is 59%, design and engineering is 82% complete, procurement is 62% complete, construction is 56% complete and Start-Up and Commissioning is 13% complete.

The overall WTP Project Schedule Variance (SV) in June was a positive \$6.0M, the Cost Variance (CV) was a positive \$2.7M. The positive cost variance was due to Plant Equipment and Construction control accounts and the schedule variances came primarily from Plant Equipment and Construction control accounts.

Design/Engineering facility percent complete values went down due to a baseline change proposal to align the specific Engineering functions scope with the respective facility that the work scope supported. This BCP resulted in an increase to the facility engineering budgets, which correspondingly reduced the to-date percent complete values.

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

Significant Past Accomplishments:

- Successfully completed placement of the first black cell piping module.

Significant Planned Actions in the Next Six Months:

- Complete erection of 4th tier structural steel (77-ft to 98-ft elevation)
- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete Fabrication and Delivery of C5V Dampers
- Complete Siding of HLW Annex
- Complete installation of the LAW and LAB Autosampler systems
- Install hot cell monorail airlocks in the LAB
- Complete construction of the BOF switchgear facility, cooling tower and fuel oil pumphouse

Issues:

No significant issues at this time.

Pretreatment (PT) Facility

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. Through June 2011, overall PT Facility percent complete is 48%, engineering is 77% complete, procurement is 45% complete, and construction is 37% complete.

Significant Past Accomplishments:

In July, 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 56ft to 98ft elevations. Construction completions for July include placement of three 5th lift (77ft to 98ft elevation) walls and one 56-ft elevation slab for a total of 894 CY. Accomplished the first placement of a piping module for the PT Facility, by completing the over the wall lift and set of the lower pipe module in the Plant Wash and Disposal System black cell. Completed excavation for the control building and poured mud mats.

On-going work includes fabrication of piping modules, installation of drain piping, service air piping, cable trays and supports, ductwork, conduit, wall liner plates, and sparge tubing in the hot cell, structural steel at the northwest corner of the facility at the 77ft elevation.

Engineering continues to implement changes from the technical issue resolutions into Piping and Instrumentation Design (P&ID) and piping isometric drawings. Instrumentation location drawings were issued for the 56ft elevation, as well as 180 piping isometric drawings, and the framing drawings and supporting calculations for hot cell Planning Area 11. Evaluations of the PVP/PVV system to meet functional requirements during an off-normal condition are ongoing, which requires: revision of the aerosol generation model; performance testing of High Efficiency Mist Eliminator (HEME) and scrubber to function during off-normal conditions; and aerosol testing to determine entrainment factor for the WTP-specific conditions. DOE completed the evaluation and approved BNI's request to weld the vessel heads onto the five Non-Newtonian vessels (UFP-VSL-0002A/B, HLP-VSL-00027A/B, and HLP-VSL-00028).

Completed planning, and initiated Request for Proposal (RFP) for fabrication and testing related to Large Scale Integrated Testing (LSIT). A Material Requisition (MR) was issued to purchase racks for the plant wash, fluidics, and utilities. Twenty four jet pump pairs and two Coriolis density transmitter were released to ship.

Significant Planned Actions in the Next Six Months:

- Completion of Milestones for re-Committed design of the CXP and FRP vessels
- Install hot cell piping PJV header
- Complete nineteen mechanical systems re-committed design packages
- Fabricate and deliver ten hot cell equipment frames
- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete 5th lift wall placements and make initial placements for the Control Building slab, totaling approximately 3,590 CY of concrete
- Complete erection of 4th tier structural steel (77ft to 98ft elevation)
- Award contract for High Efficiency Mist Eliminator (HEME)

- Make first 98ft elevation slab concrete pour by end of 2011
- South tunnel elevation slab placement
- Control building first slab placement

Issues:

- Vessel Critical Path: Fabrication of vessel HLP-22 continues to be the primary critical path for the PT Facility. The fabrication of the vessel is in progress, but the completion date has slipped from October to December 2012. Construction need date is January 2013. Fabricator is pursuing opportunities to improve the HLP-22 completion date.
- Ecology approval of the permit packages is required to proceed with the vessel alteration for vessels FRP -2A/B/C/D and UFP-62A/B/C in December 2011. These packages are scheduled to begin a public comment period August 22nd.

High-Level Waste (HLW) Facility

The HLW Facility will receive the separated high-level waste from the 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 54% complete overall, with engineering design 85% complete, procurement 67% complete, and construction 35% complete.

Significant Past Accomplishments:

The HLW Filter Cave build-out remains critical path with a majority of the activities being construction and installation. Installation of support steel to the +8ft elevation continues to support the setting of the C5V, HOP, and PJV filter housings. Fabrication of the final pair of filter housings is nearing completion. The first set of C5V dampers from Switzerland has been shipped and fabrication continues on the remaining dampers.

Several concrete pours have taken place during the month of July, including the #1 Melter Cave walls which were some of the most difficult in the building. Siding of the Annex has commenced and roofing activities continue with the parapet walls being formed and the decking being placed working toward the goal of weathering in by the end of the year.

Numerous procurements arrived in the month of August:

- Two 25ton shield plates;
- Canister rinse boggie decon vessel;
- First set C5V dampers;
- HLW Melter assemblies (80%);
- Canister Handling Cave Crane.

Electrical and piping commodities are progressing throughout the -21ft elevation including cooling water, cable trays and supports, and fire protection piping. Permanent lighting installation has progressed through the lower elevations. Vendors are also continuing with special coatings, HVAC, and liner plate.

Significant Planned Actions in the Next Six Months:

- Complete fabrication and delivery of C5V dampers
- Complete siding of HLW Annex
- C5V housing and remote-operated damper installations
- Receive major components of Melters #1 and #2
- Receive RLD-VSL-8

Issues:

No significant issues at this time.

Low-Activity Waste (LAW) Facility

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel canisters that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 65%, engineering is 88% complete, procurement is 84% complete, and construction is 63% complete.

Significant Past Accomplishments:

LAW secondary offgas treatment system component procurement activities continued. Vendor activities are progressing as scheduled for all offgas system components. Other procurement activities included issuance of a material requisition to purchase expansion joints for the LAW offgas system and progress toward procurement of LAW Controls and Instrumentation (C&I) and related equipment.

A drawing was issued for miscellaneous equipment anchorage, which releases the High-Efficiency Particulate Air (HEPA) filter housing for anchorage. Piping isometric drawings were issued for the Low-Pressure Steam (LPS), Steam Condensate Water (SCW), and LAW melter process (LMP) systems. Piping and Instrumentation Diagrams (P&IDs) were issued for the Instrument Service Air (ISA) system. Confirmed calculations were issued for the *Liquid CO₂ Storage Vessel & Miscellaneous Equipment/Non-Building Structure Foundation Design* and for the *Girts and Sagrods Design for LAW Main Building*. Component Information System (CIS) lists for equipment, in-line components, valves, and pipelines were issued for the ISA system and for in-line components for the Breathing Service Air (BSA) system. A system description was issued for the LAW ventilation systems. Control logic diagrams for the drain valves in the LAW secondary offgas/vessel vent process (LVP) system and for the LMP system were issued to support software development and testing.

BNI completed the Thermite welding and setting of both sets of finishing line bogie rails, as well as installation of the lidding equipment in the north line for the container finishing handling (LFH) system. Construction continued with installation of the buffer storage area shield plates, the fire alarm system, Low-Voltage Electrical (LVE) system equipment, Medium-Voltage Electrical (MVE) equipment, humidifiers for the C2V ventilation system, liner in the pour caves, and container finishing line hoists, hatches, and lidding equipment. Other normal activities continued, including installation of piping for the MVE and Plant Cooling Water (PCW) systems within the LAW, as well as installation of cable tray, pipe and pipe hangers, transformers, electrical grounding, conduit and wiring, instrument enclosures, lighting fixtures, partition walls, and coatings.

Integrated Control Network (ICN) development continued with the review of software for the LAW Demineralized Water (DIW) system, Container Receipt Handling (LRH) system, Radioactive Liquid Waste Disposal (RLD) system, and LAW melter Equipment Support Handling (LSH) system. Software related to the following systems was accepted: LVP system, primary offgas process (LOP) system, and the LAW DIW system.

Significant Planned Actions in the Next Six Months:

- Complete vendor fabrication of the Carbon Bed Adsorber (CBA)
- Award Annex Architectural Specialties Subcontract

- Install Inert Fill Drop Line
- Install Melter Power Supplies
- Complete installation of the Autosampling (ASX) system

Issues:

No major issues at this time.

Analytical Laboratory

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 46%, engineering is 77% complete, procurement is 74% complete, and construction is 63% complete.

Significant Past Accomplishments:

On-going construction work includes installation of piping for the Low Pressure Steam (LPS), High Pressure Steam (HPS), and Steam Condensate Water (SCW) system interfaces with BOF. Drop piping for LPS, chill water, SCW systems, and scheduled/unscheduled electrical raceway was installed in the radiological lab area. Domestic water piping was installed in multiple areas. Installation of instrumentation, schedule/unscheduled electrical raceway, bulk piping/hangers, and structural steel for the fireproof slab in the C5 fan room. HEPA filters are being installed on the top of the hot cell. In the exterior hot cell, the installation of bulk piping/hangers, electrical equipment, and scheduled/unscheduled conduit continued. In the interior hot cell, the installation of the trolley covers/motor assemblies and north gamma probes continued.

Engineering issued single line diagrams for the LVE system, equipment anchorage drawings for the electrical rooms A-0111 and A-0111A, a configuration data index for the stack discharge monitoring system, two instrument data sheets for pressure transmitters, architectural room finishing schedule, piping isometric drawings for plant service air, LPS, HPS, SCW, RLD, and the ASX. Drawings were issued for enlarged floor plan architectural drawings at elevation 0', building sections, wall sections, and interior elevations. Six instrument racks and three two-way valves were released to ship. Sequential function charts were issued for the Laboratory in-cell Handling (LIH) system's hot cell trolley east/west line movement sequence. Configuration data indices were issued for the CIV, LIH, environmental monitoring, bottled argon gas, bottled nitrogen gas, and bottled helium gas. Data sheets were issued for foundation field bus actuated on/off valves for the RLD system and foundation field bus resistance temperature detector transmitters for the LPS system.

Procurement issued material requisitions for quote on steam/air traps, and for purchase of mass-flow controller, static mixers, and blenders.

The operations staff provided comments on the draft Facility Description for the LAB, provided a presentation on the basic operations of the ASX System, reviewed the draft design for the high purity gas system, system operation to prevent the potential for a siphon or back flush from the C3/C5 sump, and provided references for projected radiological inventory and maximum number of samples allowed in the hot cells in the LAB.

Significant Planned Actions in the Next Six Months:

- Install Drum Packing Fume Hood
- Install waste drum bogie transfer port
- Install Autosampler HEPA filter housings frames
- Install hot cell monorail airlocks
- Complete installation of Autosampler System
- Install hot cell monorail recovery hoists
- Install fireproofing slab in C5 fan room

Issues:

No major issues.

Balance of Facilities (BOF)

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 47%, engineering is 72% complete, procurement is 46% complete, and construction is 61% complete.

Significant Past Accomplishments:

On-going construction work includes installation of Plant Service Air (PSA) system piping, transport piping/supports, scheduled conduit, cable tray, and form work for the controls and instrumentation duct bank at the Glass Former Storage Facility (GFSF). Piping was installed for the domestic water, fire service water, and non-radioactive liquid waste system in the Anhydrous Ammonia Storage Facility (AASF). Installation of cable terminations, scheduled conduit and cable in the main switchgear building, eyewash station water heater and expansion tank, plant service air spools in the LAB, booster pump for the LAB's chilled water system, and pressure safety valves in the chiller compressor plant continued. Concrete was placed for the 480-volt duct bank at the AASF building. Excavation began to connect domestic water to the water treatment facility and for the PT control building. The fire alarm/detection equipment has been installed in the T-52 warehouse.

Engineering issued instrument data sheets for two differential pressure gauges, two radar level transmitters/switches, and two displacer transmitter or controllers for the Ammonia Reagent (AMR) system. The technical evaluation of the Emergency Turbine Generator (ETG) was completed to support the award of the contract. C&I process and mechanical handling conduit layout plans for the AASF were issued, as well as C&I raceway plans for miscellaneous tanks and for the lower level of the GFSF. Piping isometric drawings were issued for the AMR system, and for the plant chill water system. Single line drawings for the medium voltage electrical system were issued.

Procurement received 27 linear feet of pipe, and issued the material requisition for the AMR system storage vessels.

The operations staff participated in a load energization timing evaluation in relation to the transition to an ETG. Operations staff continued work with engineering on component insulation design and requirements, which included a walk down of the steam plant to evaluate design and maintainability of the removable insulation pads.

Significant Planned Actions in the Next Six Months:

- Complete construction of cooling tower
- Complete construction of fuel oil pumphouse
- Complete construction of BOF switchgear building
- Install structural steel for anhydrous ammonia facility

Issues:

No major issues

Waste Treatment Plant Project - Percent Complete Status															
Through June 2011															
(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Commissioning 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	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	952.8	620.6	65%	229.8	201.3	88%	234.9	197.1	84%	340.0	215.9	64%	148.1	6.3	4%
Analytical Lab	350.7	162.3	46%	54.8	42.5	78%	56.1	41.7	74%	104.6	66.3	63%	135.2	11.9	9%
Balance of Facilities	529.7	246.7	47%	84.4	60.5	72%	81.2	37.5	46%	227.9	139.6	61%	136.1	9.1	7%
High-Level Waste	1,471.4	793.9	54%	341.8	291.0	85%	454.8	305.1	67%	557.1	193.5	35%	117.8	4.3	4%
Pretreatment	2,493.6	1,192.8	48%	696.8	538.7	77%	715.4	319.5	45%	898.9	328.8	37%	182.6	5.9	3%
Shared Services	4,747.0	3,255.2	69%	1,051.3	886.4	84%	467.7	354.6	76%	1,423.0	1,027.6	72%	455.8	112.8	25%
Total WTP w/o UB	10,545.2	6,271.5	59%	2,458.9	2,020.4	82%	2,010.1	1,255.5	62%	3,551.5	1,971.7	56%	1,175.6	150.3	13%
Undistributed Budget	0.0	n/a	n/a	n/a	n/a	n/a									
Total WTP	10,545.2	6,271.5	59%	2,458.9	2,020.4	82%	2,010.1	1,255.5	62%	3,551.5	1,971.7	56%	1,175.6	150.3	13%

Source: WTP Contract Performance Report - Format 1, Data for June 2011

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

¹ Note: EVMS data is through June 2011.

FINAL

Office of River Protection
Consent Decree 08-5085-FVS

Project Summary Report

August 18, 2011

Office of River Protection
 Consent Decree 08-5085-FVS
 Project Summary Report
 August 18, 2011
 8:30 a.m. – 11:00 a.m.

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

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-00A-20	Complete Construction of Structural Steel to Elevation 14' in HLW Facility	12/31/10	01/31/10										
D-00C-01B	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/11	01/25/11										
D-00C-02D	Submit to Ecology and Oregon Monthly Summary Reports	02/28/11	2/25/11										
D-00C-02E	Submit to Ecology and Oregon Monthly Summary Reports	03/31/11	03/24/11										
D-00C-02F	Submit to Ecology and Oregon Monthly Summary Reports	04/30/11	04/29/11										
D-00C-02G	Submit to Ecology and Oregon Monthly Summary Reports	05/31/11	05/25/11										
D-00C-02H	Submit to Ecology and Oregon Monthly Summary Reports	06/30/11	06/30/11										
D-00C-02I	Submit to Ecology and Oregon Monthly Summary Reports	07/31/11	07/26/11										

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-02J	Submit to Ecology and Oregon Monthly Summary Reports	08/31/11		X									
**D-00C-02K	Submit to Ecology and Oregon Monthly Summary Reports	09/31/11		X									
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.													
D-00C-01C	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/11	07/27/11										

Fiscal Year 2012 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-02L	Submit to Ecology and Oregon Monthly Summary Reports	10/31/11		X									
**D-00C-02M	Submit to Ecology and Oregon Monthly Summary Reports	11/30/11		X									
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.													
D-00C-01D	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/12		X									
D-00C-01E	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/12		X									

Reports

D-00C-01 series, Submit to Ecology & State of Oregon Semi-Annual Report, Due: Semi-Annually – January 31st and July 31st of each year. Status: On Schedule

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-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

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 in December 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 last meeting was held on June 29, 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:

1. Continued the installation of the control room and MARS arm into the C-107 tank.
2. Continued construction activities for C-108 equipment installation for Hard Heel Removal.
3. Continued installation of the POR107 exhauster for use at C-107 during MARS arm operation.
4. Continued design and procurement for C-109 Hard Heel Removal equipment.
5. Completed replacing the AN-106 supernatant pump to support C-108/C-107 retrievals.
6. Continued design activities for C-112 sluicing system.
7. Continued testing of a MARS sluice educator system.

Significant Planned Activities in the Next Six Months:

1. Complete the C-101 design, initiate long lead procurements and initiate legacy equipment removals.
2. Complete construction/installation of MARs at C-107.
3. Initiate Operation Acceptance Testing (OAT) of the C-107 system.
4. Complete startup of C-107 MARS retrieval.
5. Start up of retrieval activities for C-108 hard heel.
6. Complete hard heel retrieval of C-108.
7. Complete C-112 design, initiate long lead procurements and initiate legacy equipment removals.

8. Finish testing of the MARS with the vacuum educator.

Issues:

- D-00B-02, Discussions continue on the issue to advise Ecology of the 9 SST's from which waste will be retrieved by 2022.
- 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	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520	Projected revision early fall	MRS (per 10/7/10 agreement, to be Modified Sluicing)	-	-
C-102	RPP-22393	In Process	Modified Sluicing	MS-ITV	-
C-103	RPP-21895	Retrieval Completed			
C-104	RPP-22393	In Process	Modified Sluicing	MS-ITV	-
C-105	RPP-22520	Projected revision early fall	MRS	-	-
C-106		Retrieval Completed			
C-107	RPP-22393	In Process	MARS-S		
C-108	RPP-22393	In Process	Modified Sluicing	Chemical Dissolution	MS-ITV
C-109	RPP-21895	Following RPP-22393	Modified Sluicing	MS-ITV	-
C-110	RPP-33116	Following RPP-22393	Modified Sluicing	-	-
C-111	RPP-37739	Following RPP-22393	Modified Sluicing	-	-
C-112	RPP-22393	In Process	Modified Sluicing	MS-ITV	-

Significant Accomplishments:

- ECY and ORP met for a TWRWPs Workshop on Selecting the Second Technology Under the CD on May 6, 2011. Goals included development of a table to identify 1st and 2nd technologies (including rationale for technology selection) and to develop proposed TWRWP language to be submitted with next revision of the TWRWP. The workshop discussions and actions were captured in meeting minutes which have been submitted as a handout in the ORP June 2011 PMM meeting for inclusion in the Administrative Record.

Issues:

- Resolution and approval of TWRWP 2011-2, RPP-22393. Ecology letter 11-NWP-085 disapproved 2011-2, RPP-22393 and provided Review Comment Record for resolution of comments.

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 3,400 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 1,200 craft, 500 non-manual, and about 180 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through June 2011 is 59%, design and engineering is 82% complete, procurement is 62% complete, construction is 56% complete and Start-Up and Commissioning is 13% complete.

The overall WTP Project Schedule Variance (SV) in June was a positive \$6.0M, the Cost Variance (CV) was a positive \$2.7M. The positive cost variance was due to Plant Equipment and Construction control accounts and the schedule variances came primarily from Plant Equipment and Construction control accounts.

Design/Engineering facility percent complete values went down due to a baseline change proposal to align the specific Engineering functions scope with the respective facility that the work scope supported. This BCP resulted in an increase to the facility engineering budgets, which correspondingly reduced the to-date percent complete values.

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

Significant Past Accomplishments:

- Successfully completed placement of the first black cell piping module.

Significant Planned Actions in the Next Six Months:

- Complete erection of 4th tier structural steel (77ft to 98ft elevation)
- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete Fabrication and Delivery of C5V Dampers
- Complete Siding of HLW Annex
- Complete installation of the LAW and LAB Autosampler systems
- Install hot cell monorail airlocks in the LAB
- Complete construction of the BOF switchgear facility, cooling tower and fuel oil pumphouse

Issues:

No significant issues at this time.

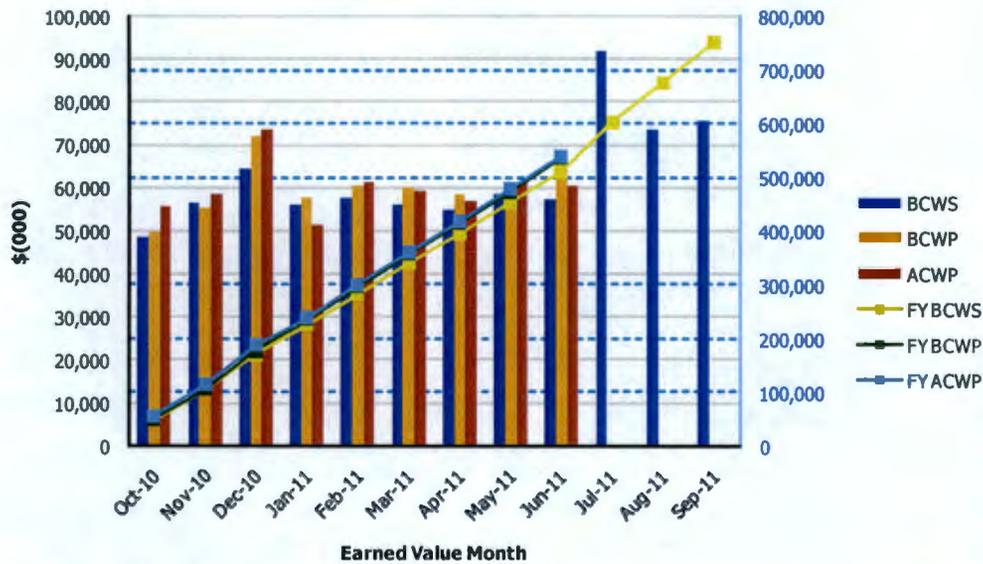
WTP – Fiscal Year To-Date Performance

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

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	\$64,533	\$71,852	\$73,610	1.11	0.98	\$169,691	\$177,241	\$187,939	1.04	0.94
Jan 2011	\$55,988	\$57,756	\$51,327	1.03	1.13	\$225,679	\$234,997	\$239,266	1.04	0.98
Feb 2011	\$57,941	\$60,462	\$61,199	1.04	0.99	\$283,620	\$295,459	\$300,465	1.04	0.98
Mar 2011	\$56,009	\$60,032	\$59,335	1.07	1.01	\$339,629	\$355,491	\$359,800	1.05	0.99
Apr 2011	\$54,890	\$58,438	\$56,937	1.06	1.03	\$394,519	\$413,929	\$416,737	1.05	0.99
May 2011	\$58,530	\$58,722	\$61,263	1.00	0.96	\$453,049	\$472,651	\$478,000	1.04	0.99
Jun 2011	\$57,334	\$63,340	\$60,603	1.10	1.05	\$510,383	\$535,991	\$538,603	1.05	1.00
Jul 2011	\$91,983					\$602,366				
Aug 2011	\$73,717					\$676,083				
Sep 2011	\$75,503					\$751,586				
PTD	\$6,239,410	\$6,271,539	\$6,296,633	1.01	1.00					

Pretreatment (PT) Facility

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

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. Through June 2011, overall PT Facility percent complete is 48%, engineering is 77% complete, procurement is 45% complete, and construction is 37% complete.

Significant Past Accomplishments:

In July, 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 56ft to 98ft elevations. Construction completions for July include placement of three 5th lift (77ft to 98ft elevation) walls and one 56-ft elevation slab for a total of 894 CY. Accomplished the first placement of a piping module for the PT Facility, by completing the over the wall lift and set of the lower pipe module in the Plant Wash and Disposal System black cell. Completed excavation for the control building and poured mud mats.

On-going work includes fabrication of piping modules, installation of drain piping, service air piping, cable trays and supports, ductwork, conduit, wall liner plates, and sparge tubing in the hot cell, structural steel at the northwest corner of the facility at the 77ft elevation.

Engineering continues to implement changes from the technical issue resolutions into Piping and Instrumentation Design (P&ID) and piping isometric drawings. Instrumentation location drawings were issued for the 56ft elevation, as well as 180 piping isometric drawings, and the framing drawings and supporting calculations for hot cell Planning Area 11. Evaluations of the PVP/PVV system to meet functional requirements during an off-normal condition are ongoing, which requires: revision of the aerosol generation model; performance testing of High Efficiency Mist Eliminator (HEME) and scrubber to function during off-normal conditions; and aerosol testing to determine entrainment factor for the WTP-specific conditions. DOE completed the evaluation and approved BNI's request to weld the vessel heads onto the five Non-Newtonian vessels (UFP-VSL-0002A/B, HLP-VSL-00027A/B, and HLP-VSL-00028).

Completed planning, and initiated Request for Proposal (RFP) for fabrication and testing related to Large Scale Integrated Testing (LSIT). A Material Requisition (MR) was issued to purchase racks for the plant wash, fluidics, and utilities. Twenty four jet pump pairs and two Coriolis density transmitter were released to ship.

Significant Planned Actions in the Next Six Months:

- Completion of Milestones for re-Committed design of the CXP and FRP vessels
- Install hot cell piping PJV header
- Complete nineteen mechanical systems re-committed design packages
- Fabricate and deliver ten hot cell equipment frames
- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete 5th lift wall placements and make initial placements for the Control Building slab, totaling approximately 3,590 CY of concrete
- Complete erection of 4th tier structural steel (77ft to 98ft elevation)
- Award contract for High Efficiency Mist Eliminator (HEME)
- Make first 98ft elevation slab concrete pour by end of 2011
- South tunnel elevation slab placement
- Control building first slab placement

Issues:

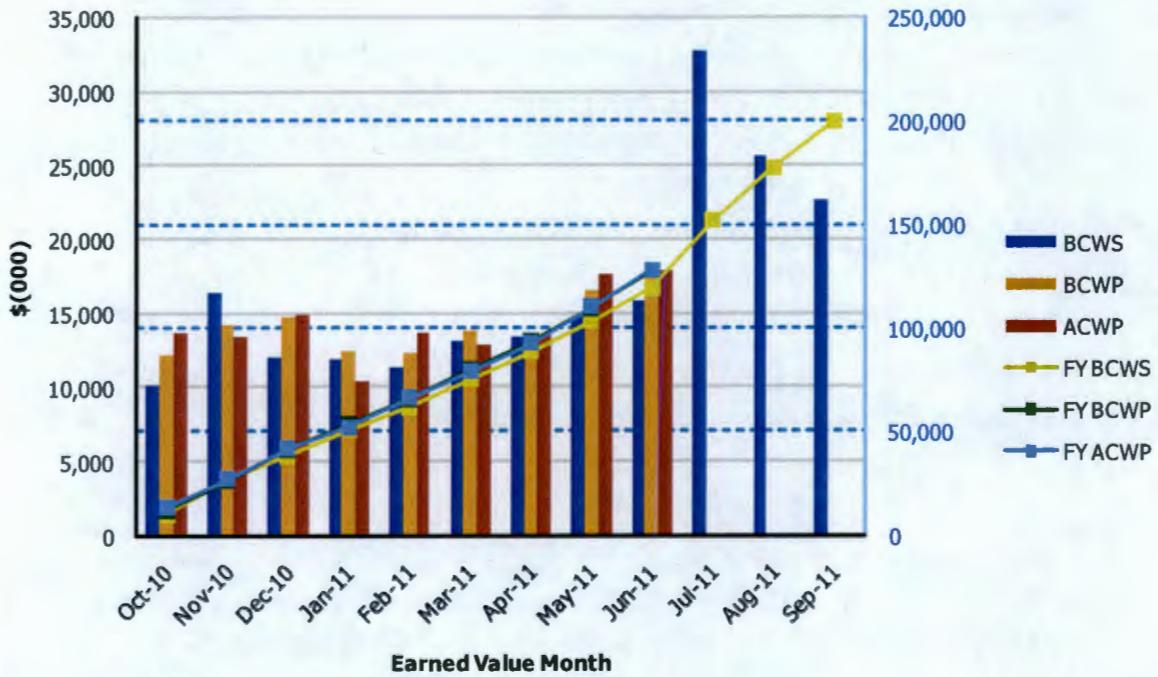
- Vessel Critical Path: Fabrication of vessel HLP-22 continues to be the primary critical path for the PT Facility. The fabrication of the vessel is in progress, but the completion date has slipped from October to December 2012. Construction need date is January 2013. Fabricator is pursuing opportunities to improve the HLP-22 completion date.
- Ecology approval of the permit packages is required to proceed with the vessel alteration for vessels FRP -2A/B/C/D and UFP-62A/B/C in December 2011. These packages are scheduled to begin a public comment period August 22nd.

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

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	\$11,902	\$12,449	\$10,403	1.05	1.20	\$50,620	\$53,673	\$52,362	1.06	1.03
Feb 2011	\$11,428	\$12,373	\$13,692	1.08	0.90	\$62,048	\$66,046	\$66,054	1.06	1.00
Mar 2011	\$13,145	\$13,809	\$12,923	1.05	1.07	\$75,193	\$79,855	\$78,977	1.06	1.01
Apr 2011	\$13,444	\$13,497	\$13,533	1.00	1.00	\$88,637	\$93,352	\$92,510	1.05	1.01
May 2011	\$14,789	\$16,506	\$17,668	1.12	0.93	\$103,426	\$109,858	\$110,178	1.06	1.00
Jun 2011	\$15,909	\$17,928	\$17,968	1.13	1.00	\$119,335	\$127,786	\$128,146	1.07	1.00
Jul 2011	\$32,706					\$152,041				
Aug 2011	\$25,646					\$177,687				
Sep 2011	\$22,683					\$200,370				
PTD	\$1,175,527	\$1,192,825	\$1,161,627	1.01	1.03					

High-Level Waste (HLW) Facility

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 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 54% complete overall, with engineering design 85% complete, procurement 67% complete, and construction 35% complete.

Significant Past Accomplishments:

The HLW Filter Cave build-out remains critical path with a majority of the activities being construction and installation. Installation of support steel to the +8ft elevation continues to support the setting of the C5V, HOP, and PJV filter housings. Fabrication of the final pair of filter housings is nearing completion. The first set of C5V dampers from Switzerland has been shipped and fabrication continues on the remaining dampers.

Several concrete pours have taken place during the month of July, including the #1 Melter Cave walls which were some of the most difficult in the building. Siding of the Annex has commenced and roofing activities continue with the parapet walls being formed and the decking being placed working toward the goal of weathering in by the end of the year.

Numerous procurements arrived in the month of August:

- Two 25ton shield plates;
- Canister rinse boggie decon vessel;
- First set C5V dampers;
- HLW Melter assemblies (80%);
- Canister Handling Cave Crane.

Electrical and piping commodities are progressing throughout the -21ft elevation including cooling water, cable trays and supports, and fire protection piping. Permanent lighting installation has progressed through the lower elevations. Vendors are also continuing with special coatings, HVAC, and liner plate.

Significant Planned Actions in the Next Six Months:

- Complete fabrication and delivery of C5V dampers
- Complete siding of HLW Annex
- C5V housing and remote-operated damper installations
- Receive major components of Melters #1 and #2

- Receive RLD-VSL-8

Issues:

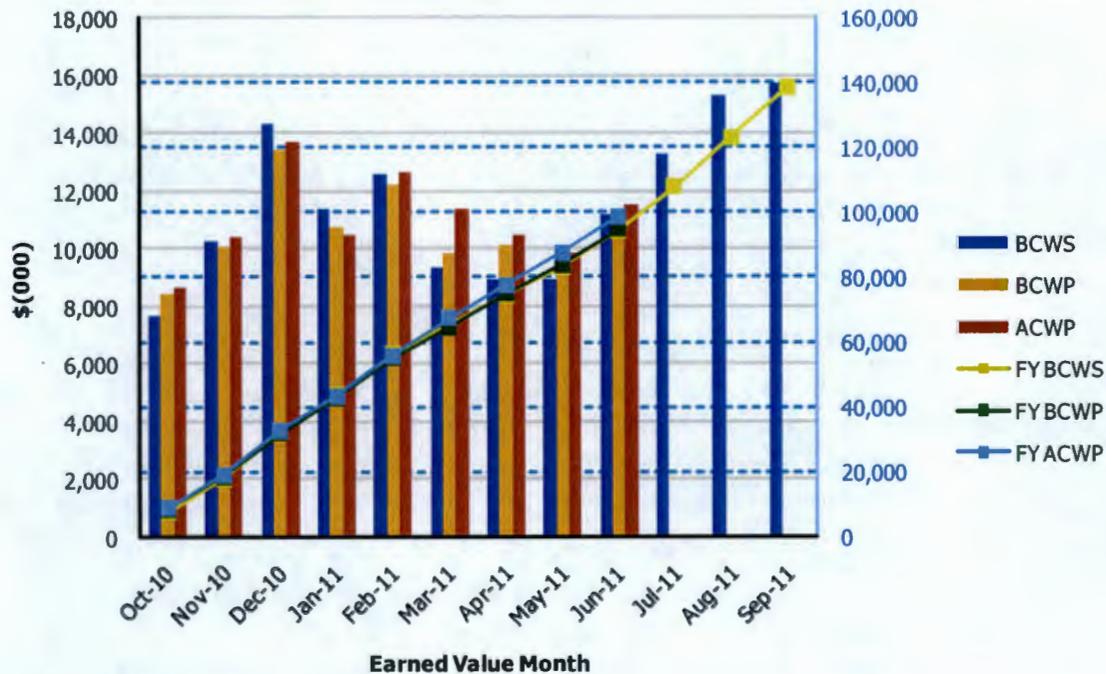
No significant issues at this time.

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

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	\$11,360	\$10,767	\$10,461	0.95	1.03	\$43,616	\$42,596	\$43,207	0.98	0.99
Feb 2011	\$12,550	\$12,224	\$12,651	0.97	0.97	\$56,166	\$54,820	\$55,858	0.98	0.98
Mar 2011	\$9,376	\$9,860	\$11,369	1.05	0.87	\$65,542	\$64,680	\$67,227	0.99	0.96
Apr 2011	\$8,930	\$10,154	\$10,445	1.14	0.97	\$74,472	\$74,834	\$77,672	1.00	0.96
May 2011	\$8,919	\$9,075	\$9,806	1.02	0.93	\$83,391	\$83,909	\$87,478	1.01	0.96
Jun 2011	\$11,189	\$10,734	\$11,504	0.96	0.93	\$94,580	\$94,643	\$98,982	1.00	0.96
Jul 2011	\$13,285					\$107,865				
Aug 2011	\$15,296					\$123,161				
Sep 2011	\$15,743					\$138,904				
PTD	\$789,208	\$793,868	\$788,109	1.01	1.01					

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

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel canisters that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 65%, engineering is 88% complete, procurement is 84% complete, and construction is 63% complete.

Significant Past Accomplishments:

LAW secondary offgas treatment system component procurement activities continued. Vendor activities are progressing as scheduled for all offgas system components. Other procurement activities included issuance of a material requisition to purchase expansion joints for the LAW offgas system and progress toward procurement of LAW Controls and Instrumentation (C&I) and related equipment.

A drawing was issued for miscellaneous equipment anchorage, which releases the High-Efficiency Particulate Air (HEPA) filter housing for anchorage. Piping isometric drawings were issued for the Low-Pressure Steam (LPS), Steam Condensate Water (SCW), and LAW melter process (LMP) systems. Piping and Instrumentation Diagrams (P&IDs) were issued for the Instrument Service Air (ISA) system. Confirmed calculations were issued for the *Liquid CO₂ Storage Vessel & Miscellaneous Equipment/Non-Building Structure Foundation Design* and for the *Girts and Sagrods Design for LAW Main Building*. Component Information System (CIS) lists for equipment, in-line components, valves, and pipelines were issued for the ISA system and for in-line components for the Breathing Service Air (BSA) system. A system description was issued for the LAW ventilation systems. Control logic diagrams for the drain valves in the LAW secondary offgas/vessel vent process (LVP) system and for the LMP system were issued to support software development and testing.

BNI completed the Thermite welding and setting of both sets of finishing line bogie rails, as well as installation of the lidding equipment in the north line for the container finishing handling (LFH) system. Construction continued with installation of the buffer storage area shield plates, the fire alarm system, Low-Voltage Electrical (LVE) system equipment, Medium-Voltage Electrical (MVE) equipment, humidifiers for the C2V ventilation system, liner in the pour caves, and container finishing line hoists, hatches, and lidding equipment. Other normal activities continued, including installation of piping for the MVE and Plant Cooling Water (PCW) systems within the LAW, as well as installation of cable tray, pipe and pipe hangers, transformers, electrical grounding, conduit and wiring, instrument enclosures, lighting fixtures, partition walls, and coatings.

Integrated Control Network (ICN) development continued with the review of software for the LAW Demineralized Water (DIW) system, Container Receipt Handling (LRH) system, Radioactive Liquid Waste Disposal (RLD) system, and LAW melter Equipment Support Handling (LSH) system. Software related to the following systems was accepted: LVP system, primary offgas process (LOP) system, and the LAW DIW system.

Significant Planned Actions in the Next Six Months:

- Complete vendor fabrication of the Carbon Bed Adsorber (CBA)
- Award Annex Architectural Specialties Subcontract
- Install Inert Fill Drop Line
- Install Melter Power Supplies
- Complete installation of the Autosampling (ASX) system

Issues:

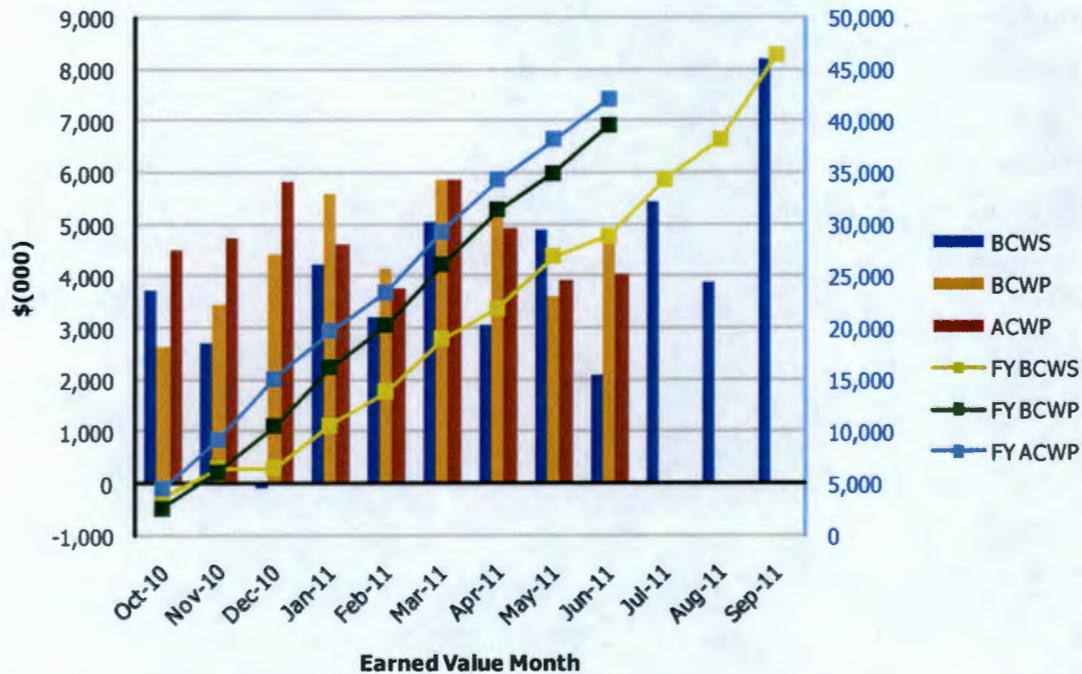
No major issues at this time.

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

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	\$4,232	\$5,597	\$4,606	1.32	1.22	\$10,623	\$16,137	\$19,692	1.52	0.82
Feb 2011	\$3,222	\$4,153	\$3,778	1.29	1.10	\$13,845	\$20,290	\$23,470	1.47	0.86
Mar 2011	\$5,054	\$5,862	\$5,857	1.16	1.00	\$18,899	\$26,152	\$29,327	1.38	0.89
Apr 2011	\$3,062	\$5,210	\$4,930	1.70	1.06	\$21,961	\$31,362	\$34,257	1.43	0.92
May 2011	\$4,895	\$3,600	\$3,919	0.74	0.92	\$26,856	\$34,962	\$38,176	1.30	0.92
Jun 2011	\$2,089	\$4,713	\$4,057	2.26	1.16	\$28,945	\$39,675	\$42,233	1.37	0.94
Jul 2011	\$5,443					\$34,388				
Aug 2011	\$3,895					\$38,283				
Sep 2011	\$8,214					\$46,497				
PTD	\$617,549	\$620,613	\$665,328	1.00	0.93					

Analytical Laboratory

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

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 46%, engineering is 77% complete, procurement is 74% complete, and construction is 63% complete.

Significant Past Accomplishments:

On-going construction work includes installation of piping for the Low Pressure Steam (LPS), High Pressure Steam (HPS), and Steam Condensate Water (SCW) system interfaces with BOF. Drop piping for LPS, chill water, SCW systems, and scheduled/unscheduled electrical raceway was installed in the radiological lab area. Domestic water piping was installed in multiple areas. Installation of instrumentation, schedule/unscheduled electrical raceway, bulk piping/hangers, and structural steel for the fireproof slab in the C5 fan room. HEPA filters are being installed on the top of the hot cell. In the exterior hot cell, the installation of bulk piping/hangers, electrical equipment, and scheduled/unscheduled conduit continued. In the interior hot cell, the installation of the trolley covers/motor assemblies and north gamma probes continued.

Engineering issued single line diagrams for the LVE system, equipment anchorage drawings for the electrical rooms A-0111 and A-0111A, a configuration data index for the stack discharge monitoring system, two instrument data sheets for pressure transmitters, architectural room finishing schedule, piping isometric drawings for plant service air, LPS, HPS, SCW, RLD, and the ASX. Drawings were issued for enlarged floor plan architectural drawings at elevation 0', building sections, wall sections, and interior elevations. Six instrument racks and three two-way valves were released to ship. Sequential function charts were issued for the Laboratory in-cell Handling (LIH) system's hot cell trolley east/west line movement sequence. Configuration data indices were issued for the C1V, LIH, environmental monitoring, bottled argon gas, bottled nitrogen gas, and bottled helium gas. Data sheets were issued for foundation field bus actuated on/off valves for the RLD system and foundation field bus resistance temperature detector transmitters for the LPS system.

Procurement issued material requisitions for quote on steam/air traps, and for purchase of mass-flow controller, static mixers, and blenders.

The operations staff provided comments on the draft Facility Description for the LAB, provided a presentation on the basic operations of the ASX System, reviewed the draft design for the high purity gas system, system operation to prevent the potential for a siphon or back flush from the C3/C5 sump, and provided references for projected radiological inventory and maximum number of samples allowed in the hot cells in the LAB.

Significant Planned Actions in the Next Six Months:

- Install Drum Packing Fume Hood
- Install waste drum bogie transfer port
- Install Autosampler HEPA filter housings frames
- Install hot cell monorail airlocks
- Complete installation of Autosampler System
- Install hot cell monorail recovery hoists

- Install fireproofing slab in C5 fan room

Issues:

No major issues.

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

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	\$971	\$1,198	\$869	1.23	1.38	\$3,756	\$4,281	\$5,034	1.14	0.85
Feb 2011	\$982	\$949	\$770	0.97	1.23	\$4,738	\$5,230	\$5,804	1.10	0.90
Mar 2011	\$1,350	\$1,039	\$924	0.77	1.12	\$6,088	\$6,269	\$6,728	1.03	0.93
Apr 2011	\$1,210	\$1,059	\$974	0.88	1.09	\$7,298	\$7,328	\$7,702	1.00	0.95
May 2011	\$1,299	\$1,018	\$1,133	0.78	0.90	\$8,597	\$8,346	\$8,835	0.97	0.94
Jun 2011	\$1,213	\$1,579	\$1,413	1.30	1.12	\$9,810	\$9,925	\$10,248	1.01	0.97
Jul 2011	\$2,516					\$12,326				
Aug 2011	\$1,925					\$14,251				
Sep 2011	\$1,735					\$15,986				
PTD	\$163,086	\$162,313	\$174,926	1.00	0.93					

Balance of Facilities (BOF)

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

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 47%, engineering is 72% complete, procurement is 46% complete, and construction is 61% complete.

Significant Past Accomplishments:

On-going construction work includes installation of Plant Service Air (PSA) system piping, transport piping/supports, scheduled conduit, cable tray, and form work for the controls and instrumentation duct bank at the Glass Former Storage Facility (GFSF). Piping was installed for the domestic water, fire service water, and non-radioactive liquid waste system in the Anhydrous Ammonia Storage Facility (AASF). Installation of cable terminations, scheduled conduit and cable in the main switchgear building, eyewash station water heater and expansion tank, plant service air spools in the LAB, booster pump for the LAB's chilled water system, and pressure safety valves in the chiller compressor plant continued. Concrete was placed for the 480-volt duct bank at the AASF building. Excavation began to connect domestic water to the water treatment facility and for the PT control building. The fire alarm/detection equipment has been installed in the T-52 warehouse.

Engineering issued instrument data sheets for two differential pressure gauges, two radar level transmitters/switches, and two displacer transmitter or controllers for the Ammonia Reagent (AMR) system. The technical evaluation of the Emergency Turbine Generator (ETG) was completed to support the award of the contract. C&I process and mechanical handling conduit layout plans for the AASF were issued, as well as C&I raceway plans for miscellaneous tanks and for the lower level of the GFSF. Piping isometric drawings were issued for the AMR system, and for the plant chill water system. Single line drawings for the medium voltage electrical system were issued.

Procurement received 27 linear feet of pipe, and issued the material requisition for the AMR system storage vessels.

The operations staff participated in a load energization timing evaluation in relation to the transition to an ETG. Operations staff continued work with engineering on component insulation design and requirements, which included a walk down of the steam plant to evaluate design and maintainability of the removable insulation pads.

Significant Planned Actions in the Next Six Months:

- Complete construction of cooling tower
- Complete construction of fuel oil pumphouse
- Complete construction of BOF switchgear building
- Install structural steel for anhydrous ammonia facility

Issues:

No major issues

Data Set: FY 2011 Earned Value Data

Data as of: June 2011

**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	\$1,302	\$1,224	\$960	0.94	1.28	\$5,278	\$5,491	\$5,717	1.04	0.96
Feb 2011	\$1,347	\$1,346	\$1,288	1.00	1.05	\$6,625	\$6,837	\$7,005	1.03	0.98
Mar 2011	\$1,429	\$1,518	\$1,505	1.06	1.01	\$8,054	\$8,355	\$8,510	1.04	0.98
Apr 2011	\$1,962	\$1,363	\$1,524	0.69	0.89	\$10,016	\$9,718	\$10,034	0.97	0.97
May 2011	\$1,442	\$1,352	\$1,237	0.94	1.09	\$11,458	\$11,070	\$11,271	0.97	0.98
Jun 2011	\$1,400	\$1,253	\$980	0.90	1.28	\$12,858	\$12,323	\$12,251	0.96	1.01
Jul 2011	\$3,383					\$16,241				
Aug 2011	\$1,462					\$17,703				
Sep 2011	\$1,830					\$19,533				
PTD	\$248,126	\$246,689	\$244,166	0.99	1.01					

Waste Treatment Plant Project - Percent Complete Status

Through June 2011

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Commissioning 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	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities															
Low-Activity Waste	952.8	620.6	65%	229.8	201.3	88%	234.9	197.1	84%	340.0	215.9	64%	148.1	6.3	4%
Analytical Lab	350.7	162.3	46%	54.8	42.5	78%	56.1	41.7	74%	104.6	66.3	63%	135.2	11.9	9%
Balance of Facilities	529.7	246.7	47%	84.4	60.5	72%	81.2	37.5	46%	227.9	139.6	61%	136.1	9.1	7%
High-Level Waste	1,471.4	793.9	54%	341.8	291.0	85%	454.8	305.1	67%	557.1	193.5	35%	117.8	4.3	4%
Pretreatment	2,493.6	1,192.8	48%	696.8	538.7	77%	715.4	319.5	45%	898.9	328.8	37%	182.6	5.9	3%
Shared Services	4,747.0	3,255.2	69%	1,051.3	886.4	84%	467.7	354.6	76%	1,423.0	1,027.6	72%	455.8	112.8	25%
Total WTP w/o UB	10,545.2	6,271.5	59%	2,458.9	2,020.4	82%	2,010.1	1,255.5	62%	3,551.5	1,971.7	56%	1,175.6	150.3	13%
Undistributed Budget	0.0	n/a	n/a	n/a	n/a	n/a									
Total WTP	10,545.2	6,271.5	59%	2,458.9	2,020.4	82%	2,010.1	1,255.5	62%	3,551.5	1,971.7	56%	1,175.6	150.3	13%

Source: WTP Contract Performance Report - Format 1, Data for June 2011

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

¹ Note: EVMS data is through June 2011.

ID	Task Name	Duration	Start	Finish	1H11	2H11	1H12	2H12	1H13	2H13	1H14	2H14	1H15	2H15	1H16	2H16	1H17	2H17	1H18	2H18	1H19	2H19	
					alf 1, 20	alf 2, 20	alf 1, 20																
1	Closure WMA-C	2052 days?	Thu 8/18/11	Fri 6/28/19																			
2	Retrieval	814 days?	Thu 8/18/11	Tue 9/30/14																			
3	Grout	544 days	Wed 10/1/14	Mon 10/31/16																			
4	D&D	804 days	Wed 10/1/14	Mon 10/30/17																			
5	Construct Cap	263 days	Tue 10/31/17	Thu 11/1/18																			
6	FLOAT	171 days	Fri 11/2/18	Fri 6/28/19																			

Project: Critical Path for closure 8-17-1
Date: Thu 8/18/11

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

Page 1

SCHEDULES - Deliverables				Action date	Discussion Points for	
	WRPS	Baseline	TPA	issue Permit	meet 2014	meet TPA
Submit permit				TPA	SUBMITTAL DATES	
Tier 1 - TPA		6/30/2013	9/31/2015	9/31/2016	3/31/2013	3/31/2014
Tier 2 - TPA (WMA-C)	8/10/2012	6/30/2017	9/31/2015	9/31/2016	3/31/2013	3/31/2014
Tier 3 - TPA (C-106)	8/10/2012	3/31/2015	9/31/2015	9/31/2016	3/31/2013	3/31/2014
PA - start first review	9/3/2012	???	9/31/2014	9/31/2016	9/30/2012	9/30/2013
PA - Appendix I	10/10/2014	3/31/2014	9/31/2015	9/31/2016	2/28/2013	9/31/2014
Complete WIR	10/3/2014	10/31/2017	NONE	NONE	12/31/2014	9/31/2015
Complete RA	10/10/2014	3/31/2014	9/31/2015	9/31/2016	2/28/2013	9/31/2014
Risk Assessement = Performance Assessment						
WRPS = Schedule provided by USDOE and WRPS for planning work						
PBM schedule, WBS 5.02.04 and 5.02.05						

Please verify that my interpretations are correct.

Which schedule are you currently using for TPA Complainece?

What criteria will you use to determine work prioritization?

Will you include Ecology input into the process of prioritization?

If Ecology will be involved, when?

Have you made any preliminary choices for priorities?